
PARSONS

REMEDIAL INVESTIGATION REPORT
DUPONT BREVARD FACILITY
CEDAR MOUNTAIN, NORTH CAROLINA

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DOCUMENT: **Remedial Investigation Report**
DuPont Brevard Facility
Cedar Mountain, North Carolina

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ACRONYMS

Acronym	Definition / Description
° F	Degrees Fahrenheit
AFB	Alternate fuel boiler
AOC	Area of concern
bgs	Below ground surface
C&P	(DuPont) Chemical and Pigments Department
CA	Corrective Action
CAMU	Corrective Action Management Unit
CCR	Current Conditions Report
CEM	Conceptual exposure model
COPC	Constituent of potential concern
CRG	(DuPont) Corporate Remediation Group
CS	Confirmatory sampling
D&R	Demolition and removal
DERS	DuPont Environmental Remediation Services
DSRF	DuPont State Recreational Forest
DU	Decision unit
DuPont	E. I. du Pont de Nemours and Company
GAC	Granular activated carbon
HSWA	Hazardous and Solid Waste Amendments
IHSB	(NCDENR) Inactive Hazardous Site Branch
IM	Interim measure
IRM	Interim remedial measure
ISM	Incremental Sampling Methodology
MSL	Mean sea level
NC2B	NCAC 15A-2B (aquatic life)
NC2L	NCAC 15A-2L (groundwater)
NCAC	North Carolina Administrative Code
N.C.G.S.	North Carolina General Statute
NCDA&CS	NC Department of Agriculture and Consumer Services
NCDENR	North Carolina Department of Environment and Natural Resources
NCDSRF	North Carolina DuPont State Recreational Forest
NCNG	North Carolina National Guard
NFA	No Further Action (designation)
PCB	Polychlorinated biphenyl
PET	Polyethylene terephthalate
psi	Pound(s) per square inch
PSRG	Preliminary Soil Remediation Goal

Acronym	Definition / Description
PWR	Partially weathered rock
QA/QC	Quality assurance/quality control
RAP	Remedial action plan
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
Risk Bill	N.C.G.S. 130A-310.65 to 310.77 (House Bill 45)
RL	Remedial level
RWM	Remediation waste materials
SAP	Sampling and analysis plan
SCM	Site conceptual model
Sterling	Sterling Diagnostic Imaging Inc.
SWMU	Solid waste management unit
TCE	Trichloroethylene
USEPA	United States Environmental Protection Agency
WSW	Water supply well
WWTP	Wastewater treatment plant

1.0 INTRODUCTION

E. I. du Pont de Nemours and Company (DuPont) has been conducting soil and groundwater investigation and remediation activities at the Former DuPont Brevard Facility (Site) located in Cedar Mountain, North Carolina for many years. Historically, these activities have been conducted under the Site's Federal Hazardous and Solid Waste Amendments (HSWA) Corrective Action (CA) permit.

Since the start of CA activities in the 1990s, the Site has undergone significant changes, starting with the plant shut-down in 2002, continuing with the complete dismantling and removal of site structures in 2006, and culminating with the State of North Carolina (the State) and DuPont agreeing to work towards the eventual transfer of the Site property to the State, via the NC Department of Agriculture and Consumer Services (NCDA&CS). The NCDA&CS desires use and control of the Site consistent with the surrounding DuPont State Recreation Forest (DSRF), as well as for low-impact training use by the North Carolina National Guard (NCNG). The anticipated future land- and water-use conditions were first presented to DuPont by the NCDA&CS and NCNG in a letter dated February 28, 2014 and have continued to be refined.

The State and DuPont have a mutual desire to affect a transfer of the Site in a safe, timely, and efficient manner. Operating under the assumption that the Site property will be ultimately transferred to the State, DuPont and the State have agreed that it is appropriate to complete the remaining remedial activities under the State's Risk-Based Remediation of Industrial Sites pursuant to N.C.G.S.¹ 130A-310.65 to 310.77 (House Bill 45 or the "Risk Bill").

The Risk Bill requires the completion and submittal of a *Remedial Investigation Report* before final remedial decision-making is appropriate. Based on a review of the significant amount of historical information collected during earlier phases of the CA process and, in context with an updated Site Conceptual Model (SCM) utilizing the future use plans that were provided by the State, it was recognized that an additional phase of field investigation was necessary. To address this, a *Final Remedial Investigation Work Plan* (work plan) outlining the proposed final field investigation activities was prepared and submitted for the State's approval on August 1, 2014. The proposed activities built upon data collected during previous investigations.

This report was prepared on behalf of DuPont to be submitted as the *Remedial Investigation Report* in accordance with Section 130A-310.69 of the Risk Bill. As this report will serve as the final investigation report, it includes details of the historical investigative efforts, as well as details of the recent final remedial investigation activities and a discussion of the updated SCM. The final field investigation activities were conducted in late 2014 and early 2015 in accordance with the approved work plan. In addition, this report includes a discussion of the 2nd Half 2014 (2H14) sampling event that was conducted as part of the routine semi-annual monitoring program established to monitor groundwater downgradient of the Site's Corrective Action Management Unit (CAMU; see Sections 2.5.2 and 6.0).

This report is organized into the following sections:

- Section 1.0 is the introduction, which includes the project goals and objectives.
- Section 2.0 presents an overview of the Site, including summaries of previous investigations and the physical setting.

¹ N.C.G.S. – North Carolina General Statute

- Section 3.0 details the field investigation activities that were conducted at the Site.
- Section 4.0 summarizes the evaluation process that was conducted using the Site's historical and recent analytical data.
- Section 5.0 includes a discussion of the final field investigation results.
- Section 6.0 describes the CAMU sampling activities that were conducted in conjunction with the final field investigation.
- Section 7.0 presents the updated SCM, which was revised based on the data from the final remedial field investigation, from the CAMU sampling program, and from previous investigations completed at the Site.
- Section 8.0 lists the conclusions and recommendations developed during the final remedial investigation.
- Section 9.0 provides the references used during preparation of this report.

1.1 Overall Site Remediation Goals

As stated above, DuPont has been conducting soil and groundwater investigation and remediation activities at the Site for many years under the Site's HSWA CA permit. DuPont developed several overall remedial goals for the Site to help drive and focus the CA activities. These goals included the following:

- Protection of people and the environment through the development and use of a SCM that is based on a thorough understanding of the Site constituents, release pathways, and exposure potential;
- Cost-effective management/minimization of long-term liabilities associated with the potential contaminant releases using a risk-based prioritization process;
- Compliance with regulatory requirements; and
- Coordination of CA activities with other business activities at the Site to minimize disruption to facility operations, maximize benefits and synergies with other, overlapping environmental initiatives, and ensure field efforts are conducted in a safe and efficient manner.

Triggered by the desire to affect a transfer of the Site to the State, the overall remediation goals have been modified and updated to now include the following:

- Ensuring ongoing protection of people and the environment through active and administrative measures;
- Ensuring the State can achieve desired future land use; and
- Meeting regulatory obligations and public expectations.

The final field investigation activities described in this report were conducted to help meet these goals.

1.2 Final Investigation Project Objectives

DuPont developed the following project objectives for the final phase of investigation:

- Identification of remaining data gaps necessary to meet the overall remedial goals;

- Development and implementation of a *Final Remedial Investigation Work Plan* to address the identified remaining data gaps;
- Development of site-specific remedial levels (RLs) based on the Risk Bill requirements for use in future data evaluation; and
- Development and submittal of a final *Remedial Investigation Report* to support final remedial decision-making via the submittal of a proposed *Remedial Action Plan*.

It is DuPont's intention that, upon approval of this report, DuPont will have met the investigation reporting requirements of the Risk Bill and will be able to move forward with final remedial decision-making and preparation of a *Remedial Action Plan* (RAP) in accordance with Section 130A-310.69 of the Risk Bill. Although additional data gaps pertaining to SWMU 17 exist, this SWMU is currently the subject of ongoing consideration for implementation of a remedial action. Therefore, while the groundwater surrounding SWMU 17 was investigated during this final field effort, additional investigation of this SWMU will be conducted in a separate effort to support unit-specific remedial decision-making.

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2.0 SITE OVERVIEW

This section presents an overview of the Site including a summary of the numerous historical investigations that have been conducted and information about the Site's physical setting.

2.1 Site Location and Boundaries

The Site is located in Cedar Mountain, Transylvania County, North Carolina, approximately six miles southeast of the town of Brevard and three miles north of the South Carolina state line. The local area is characterized by relatively high relief, with local elevations ranging from 1,010 to 4,000 feet above mean sea level (MSL). The Site sits atop a plateau at 2,550 feet above MSL (Figure 1). It is bounded by the Little River on the south and east and heavily wooded mountain land to the north (DuPont CRG 2004). The property is entirely surrounded by the DSRF property.

2.2 Site Background

The Site history and environmental setting is briefly summarized below. Additional information about the background of the Site can be found in the *Phase III RCRA Facility Investigation Report* (Parsons 2009) and the *Final Remedial Investigation Work Plan* (Parsons 2014).

2.2.1 Plant Site Operations

DuPont began operations at the Site in 1957 producing high purity silicon under the Chemicals and Pigments (C&P) Department during the first five years of operation. The property was then transferred to the Imaging Department for production of medical imaging (x-ray) films. In addition to manufacturing processes, DuPont historically operated a powerhouse, a wastewater treatment facility, a Save-All System (silver recovery unit), the Alternate Fuel Boiler (AFB), and permitted solid waste landfills.

The manufacturing area was divested to Sterling Diagnostic Imaging Inc. (Sterling) on March 29, 1996. On May 14, 1999, Sterling divested the manufacturing facility to AGFA Corporation. Both AFGA and Sterling conducted the same operations as DuPont. AGFA discontinued operations at the DuPont Brevard Facility in December 2002.

Following closure of Site operations, AGFA and DuPont engaged in negotiations pertaining to future reacquisition of the property by DuPont. The purpose of this reacquisition was to maximize control of potential environmental liabilities that DuPont retained on this and the adjacent property that DuPont still owned. An agreement was reached with AGFA to perform demolition and removal (D&R) activities for major assets of the facility in February 2004, prior to DuPont reacquisition of the property. All required D&R activities were completed in May 2006, and ownership of the Site was divested to DuPont in July 2006.

2.2.2 Regulatory History

The Brevard facility has been in the Resource Conservation and Recovery Act (RCRA) hazardous waste program since 1980. RCRA Corrective Action (CA) at the Site has been conducted in accordance with the requirements set forth in the Site's permits. The current permit is the Hazardous and Solid Waste Amendments (HSWA)-only Hazardous Waste Management Permit No. NCD003152329 R-2 issued by the North Carolina Department of Environment and Natural Resources (NCDENR) on August 4, 2008, and

revised on April 11, 2011. The current permit lists 20 solid waste management units (SWMUs) and 11 areas of concern (AOCs) as present on-site. The locations of these units are shown in Figure 2.

The CA program requires investigation and cleanup of releases of hazardous constituents that pose an unacceptable risk to people and the environment. Numerous historical investigations have been completed at the Site. In 2002, DuPont began conducting a RCRA Facility Investigation (RFI) in a phased approach in an effort to efficiently expedite the transition to remedial measures and closure. RFIs are designed to characterize releases of constituents from regulated units, SWMUs, or other areas at the facility through the collection and evaluation of data. The history associated with the submittal and approval of various RCRA CA documents has been discussed in previous reports submitted to NCDENR. The most recent phase (Phase III) of the RFI was completed in 2009, and the results and conclusions drawn from the Phase III activities were presented in the *Phase III RFI Report*, which was submitted to NCDENR on September 30, 2009. The existing site monitoring well network is shown on Figure 3. Additional information about the historical investigations completed at the Site is presented in Section 2.3 below.

In September 2012, an evaluation of the environmental indicator for "current human exposures under control" (EI RCRIS Code CA725) and an evaluation of the environmental indicator for corrective action "migration of contaminated groundwater under control" (EI RCRIS Code CA750) were prepared for the Site (Parsons 2012a, 2012b). The EI determination evaluations were completed in accordance with the guidance established by the United States Environmental Protection Agency (USEPA) (1999). The EI determination process concluded that releases or the potential for releases identified from RCRA CA units at the Site do not constitute a significant threat to human health. Reasonably expected exposures from potentially complete exposure pathways were found to be insignificant, and the potential for exposure is prevented or controlled. As a result, a positive EI determination for EI CA725 was reached. In addition, the EI determination process concluded that the migration of contaminated groundwater has stabilized and groundwater releasing to surface water is not significantly impacting surface water bodies at and adjacent to the Site. As a result, a positive EI determination for EI CA750 was also reached.

2.3 Previous Investigations

In February 1996, a *RCRA Facility Assessment* (RFA) was submitted to NCDENR that identified 20 SWMUs and three AOCs at the Site (DuPont Environmental Remediation Services [DERS] 1996b). Based on the RFA, six SWMUs were identified as needing confirmatory sampling (CS) to determine whether they were releasing regulated substances into the environment. As part of the original plant divestiture in 1996, DuPont completed closure activities on the permitted storage pad. DuPont closed the North Landfill in 1993 and received official approval of closure from NCDENR on August 22, 1996. In addition, DuPont completed closure activities at the East Landfill in late 1996. An engineering evaluation (dated March 28, 1997) was used in lieu of CS at SWMU 10, and the status of the SWMU was changed to No Further Action (NFA) in a letter from NCDENR dated May 14, 1997.

A *Confirmatory Sampling Work Plan* was produced (originally submitted in October 1996, revised in September 1998) that provided the scope and schedule for completion of the outstanding CS activities. However, after the CS work plan was drafted, the RCRA CA program evolved to provide for more flexible, results-oriented approaches and

became less focused on process-related activities. Since the CS work plan was written only to address a limited number of units and would have primarily satisfied a process requirement, a request was made by DuPont to take an alternative approach. A joint DuPont and NCDENR meeting was held in June 2001, and it was agreed that a more holistic approach was appropriate for the Site. In a letter dated July 13, 2001, DuPont requested that the formal approval of the draft CS work plan be withheld and a more risk-based, holistic approach, consistent with the current RCRA reforms efforts, be pursued instead.

On January 18, 2002, as the first step in this alternative approach, DuPont submitted a *Current Conditions Report (CCR)* to NCDENR (DuPont CRG 2002). The CCR summarized the data collected from historical investigations completed at the Site since 1986. A preliminary SCM was also presented, which indicated that the constituents present appeared to be stable and were not perceived as an immediate threat to human health or the environment. A risk-based approach using a phased RFI was initiated in lieu of the more focused and limited scope that had been originally proposed in the CS work plan.

Phase I of the RFI was completed in a two-stage effort. Stage I consisted of three elements completed to gain a better understanding of geologic and hydrogeologic conditions across the Site. These elements included installing soil borings and piezometers across the Site, installing two staff gauges at Lake DERA and Little River, and collecting water level data. A Technical Memorandum summarizing the findings of Stage I of the Phase I RFI and proposed recommendations for Stage II activities was submitted to NCDENR on December 31, 2002. Stage II field activities were completed on October 17, 2003, and consisted of filling data gaps identified from Stage I of the RFI. Background soil samples were collected, and a groundwater investigation of the surficial aquifer was conducted along with a release confirmation investigation of SWMU 17. The conclusions of the Phase I RFI can be found in the *Phase I RCRA Facility Investigation Report* (DuPont CRG 2003).

The RFI Phase II was conducted from May through August 2004. The goals of the Phase II were to investigate the CA units and former manufacturing areas and fill data gaps associated with the site-wide groundwater monitoring program. More groundwater monitoring wells and soil borings were installed, soil samples, groundwater samples and surface water samples were collected, and water levels were measured. The conclusions of the Phase II RFI can be found in the *Phase II RCRA Facility Investigation Report* (DuPont CRG 2004).

In 2006, DuPont initiated a number of investigative tasks to expand the hydrogeologic data set for the Site in order to facilitate planning the scope for the Phase III RFI. These investigative tasks included establishing a new geo-reference baseline for the Site, sampling select groundwater and surface water points, and completing fracture trace analysis and a borehole geophysical evaluation of bedrock wells on-site. Preliminary results of this work were discussed with NCDENR during a meeting held at the Site in October 2006. Based on the outcome of the meeting, DuPont submitted the *Phase III RFI Work Plan* to NCDENR on February 5, 2007. The work plan presented the goals for the next phase of the RFI and incorporated the newly-acquired investigation results from the activities described above.

A January 2007 site-wide groundwater sampling event was conducted, including the sampling of the North Carolina DuPont State Forest Service (NCDSRF) Visitor Center water supply well (WSW). Organic compounds were detected in the visitor center well

during this event, and evaluations of the analytical results prompted completion of additional Phase III activities as outlined in the *Phase III RFI Work Plan Addendum*, which was submitted on May 14, 2007.

Following the Phase III work plan addendum submittal, several proposed Phase III RFI field activities commenced in fall 2007. These primarily consisted of SWMU 17 source-area and groundwater quality investigation activities. DuPont submitted an *Interim Phase III RFI Report* on February 29, 2008, which discussed the activities conducted to that point. The activities included a soil gas survey and groundwater and surface water sampling events. Resulting information from these activities was used to refine the SCM, which demonstrated that the Site remained protective of human health and the environment. Full analytical details and results can be found in the *Interim Phase III RFI Report* (DuPont CRG 2008).

The *Interim Phase III RFI Report* recommended the completion of follow-up activities related to SWMU 17 and the compounds (potentially related to SWMU 17) that had been detected in the NCDSRF Visitor Center WSW. The follow-up activities were conducted between early 2008 and 2009, and a discussion of the results was presented in the *DuPont State Forest Service Visitor Center Interim Measure Report*, which was submitted to NCDENR in June 2009 (DuPont CRG 2009). The completed activities included soil gas sampling and an evaluation of potential exposure points in surface water at locations topographically downgradient of SWMU 17. Concurrent with these activities, DuPont also designed a water treatment system for the NCDSRF Visitor Center WSW (see Section 2.5.1).

Remaining Phase III activities (site wide) were continued in fall 2008. These activities included the installation of bedrock and residuum² groundwater monitoring wells, groundwater and surface water sampling, former manufacturing area investigations, background soil sampling, and vapor intrusion activities. On February 3, 2009, DuPont submitted the *Phase III RFI Project Update* letter to summarize the completed *Phase III RFI Work Plan* activities and completion of each proposed modification to the original work plan objectives. Results and conclusions drawn from these activities are discussed in the *Phase III RFI Report*, which was submitted on September 30, 2009.

Based on a review of the significant amount of historical information collected during earlier phases of the CA process and, in context with the updated SCM utilizing the future use plans that were provided by the State, an additional phase of field investigation was deemed necessary to fulfill several data gaps that remained after the completion of the Phase III RFI. As previously stated, DuPont and the State agreed that the remaining investigation activities would be completed under the State's "Risk Bill," and the additional field investigation activities that are described in this report were conducted in accordance with the *Final Remedial Investigation Work Plan* (August 1, 2014).

2.3.1 Historical Documents

A list of the most relevant historical investigation project documents is provided below. Additional information about the activities that have been conducted at the Site can be found in these documents:

- *RCRA Facility Assessment*. Former DuPont Brevard Facility. DuPont Environmental Remediation Services (DERS), February 1996.

² Residuum at the Site is defined as saprolite and partially weathered rock (PWR) zones.

- *Confirmatory Sampling Work Plan*. Former DuPont Brevard Facility. DERS, originally submitted in October 1996, revised in September 1998.
- *Current Conditions Report*. Former DuPont Brevard Facility. DuPont Corporate Remediation Group (CRG), January 18, 2002.
- *Phase I RFI Report*. Former DuPont Brevard Facility. DuPont CRG, December 31, 2003.
- *Phase II RFI Report*. Former DuPont Brevard Facility. DuPont CRG, December 2004.
- *Interim Phase III RFI Report*. Former DuPont Brevard Facility. DuPont CRG, 2008.
- *Phase III RFI Report*. Former DuPont Brevard Facility. Parsons, 2009.
- *DuPont State Forest Service Visitor Center Interim Measure Report*. Former DuPont Brevard Facility. DuPont CRG, 2009.
- *Interim Measures Report*. Former DuPont Brevard Facility. Parsons, 2012.
- Environmental Indicator for “current human exposures under control” (EI RCRIS Code CA725). Former DuPont Brevard Facility. Parsons, 2012.
- Environmental Indicator for corrective action "migration of contaminated groundwater under control" (EI RCRIS Code CA750). Former DuPont Brevard Facility. Parsons, 2012.
- *Final Remedial Investigation Work Plan*. Former DuPont Brevard Facility. Parsons, August 1, 2014.

2.3.2 SWMU and AOC Summary

The current permit lists 20 SWMUs and 11 AOCs as present on-site. The locations of these units are shown on Figure 2. A summary of each unit including the unit name, description, and dates of operation is included in Table 1.

2.4 Demolition and Removal Activities

Following closure of Site operations in 2002, AGFA and DuPont engaged in negotiations pertaining to future reacquisition of the property by DuPont. The purpose of this reacquisition was to maximize control of potential environmental liabilities that DuPont retained on this and the adjacent property that DuPont still owned. An agreement was reached with AGFA to perform D&R activities for major assets of the facility prior to DuPont’s reacquisition of the property.

Throughout the D&R effort, site personnel documented preconstruction, area-specific preparation efforts and post-cleaning certifications. Photographic documentation of pre- and post-demolition conditions was also compiled. Special waste and other materials removed from the Site include asbestos, lead-based paint, mercury switches, light ballasts (polychlorinated biphenyl [PCB] and non-PCB), residual material in vessels, hydraulic fluids, gearbox oils, halons, and batteries. All debris was segregated into like material (e.g., concrete, aluminum, copper, carbon steel, and stainless steel). Sorted metal debris was removed from the Site and transported to a reclamation center. Other demolition debris was disposed offsite at a properly-permitted landfill.

During the D&R, it was determined that some sub-structures (e.g., slabs) would not be removed. To ensure that these assets did not create a potential for future hazards, some of the remaining slabs were cleaned based on process knowledge and visual inspection after the above-ground structures were demolished. Cleaning involved pressure washing at 3,000 pounds per square inch (psi) and using mechanical removal (scraping) followed by a clean water rinse. All wash and rinse water was collected, containerized, and sampled prior to disposal. These samples were analyzed for total concentrations of constituents determined based on operation knowledge of the area. Sample analyses were compared to applicable screening criteria (e.g., drinking water and surface water regulatory standards) to determine if the cleaning operation had removed potential contamination. Slabs where cleaning generated wash and rinse water that exceeded regulatory requirements were washed and rinsed a second time and sampled/analyzed again. This process was repeated until the regulatory criteria were met or until it was decided that the slab should be properly removed and disposed of. In total, approximately 16 slabs, pads, or foundations were completely removed from the Site during these activities.

All sewers within the Site were cleaned and closed during the effort. Three types of sewers were identified on the property (storm, process, and sanitary). The cleaning effort involved either power washing with a 3,000 psi pressure washer or gravity flushing with a large volume of water. The resulting water was sampled and analyzed for priority pollutant constituents for proper disposal. If the results were within site-specific NPDES³ limitations, then the water was discharged to the Wastewater Treatment Plant (WWTP). If the results were above the site-specific limitations, then the water was transported off-site for disposal. Sewer and manhole closure involved either abandoning the pipe and filling the pipe and manholes with an inert material or removal. All other underground piping (water, gas, fire protection) were capped at grade and abandoned. Remote inspection was performed on 30% of the total length of sewer pipe where inspection was possible using an electric remote-control robot equipped with a camera. In all, 3,500 linear feet of sewer pipe, 1,500 linear feet of process sewer, and 2,000 linear feet of storm sewer were inspected and videotaped. None of the inspection reviews indicated significant accumulation of debris or staining in the pipes, which led to the approval of closure activities.

The WWTP was closed during the D&R effort. Over 2,563 tons of biosolids were removed from the WWTP emergency spill, aeration and settling basins using a barge-mounted diesel dredge. In addition 1,085 tons were removed from the diversion basin. All removed solids were filtered and disposed offsite in a permitted landfill. Testing of residual solids and underlying soils did not indicate any potential future environmental concerns. Approximately 60,000 cubic yards of soil were used over nearly 25 acres to grade and cap the completed area to create proper drainage. Based on pre-closure sampling analysis, AGFA and DuPont determined that the biosolids in the Polishing Pond could remain in place. The Polishing Pond was drained, and the sludge was dewatered and solidified. A non-woven, needle punched geotextile fabric was installed over the solidified sludge. Three feet of cover soil was placed over the geotextile fabric and compacted. The final grade of the polishing pond is at a 1.2% slope to minimize accumulation of surface water.

The D&R project was performed in accordance with the Erosion and Sediment Control Plan approved by the North Carolina Soil Conservation District (Permit number TRANS-

³ NPDES – National Pollutant Discharge Elimination System

2005-012). Erosion and sediment controls were established at the beginning of the demolition effort and continued throughout the project. The three primary areas of erosion control efforts were around storm sewer intakes, the piles of demolition debris that could be eroded by water or wind, and the areas where demolition was completed. Following the D&R activities, areas that had been disturbed were stabilized by hydro-seeding and broadcast seeding. Areas of the Site receiving final grading included leftover parking lots, concrete slabs, gravel areas, and grass areas. The Site was inspected to identify and eliminate possible depressions where surface water could accumulate. All gravel areas were graded to achieve positive drainage of surface water. Any disturbed or borrow areas used in the effort were stabilized before project end.

All required D&R activities were completed in May 2006. Estimates indicate that approximately 32,370 tons (75,530 cubic yards) of material were removed from the Site in 2,158 truck loads. In July 2006, following completion of the D&R activities, ownership of the Site was divested to DuPont. Records of the D&R effort were incorporated into a report and are on file at the Site. These records include building inspections, photographic documentation of material removal, sewer video inspection reports, chemical analytical results, maps showing residual foundations/slabs, and final grading elevations.

2.5 Completed Interim Remedial Measures

2.5.1 NCDSRF Visitor Center Interim Remedial Measure

As part of the Phase III RFI effort and in accordance with DuPont's goal of protection of people and the environment, DuPont performed groundwater sampling in January 2007 on the off-site NCDSRF Visitors' Center WSW upon notification of future use by NCDSRF personnel. Only one compound (trichloroethylene [TCE]) was detected at a concentration that exceeded the 15A North Carolina Administrative Code (NCAC) 2L .0200 (NC2L) value. This exceedance led to the initiation and completion of additional investigative and remedial activities. An addendum to the *Phase III RFI Work Plan* was submitted on May 14, 2007, communicating the results of the January 2007 sampling of the NCDSRF WSW and outlining additional activities proposed to be completed during the Phase III RFI with respect to the detection of site-related compounds (potentially related to SWMU 17) in the NCDSRF WSW. The work plan addendum recommendations included the collection of additional groundwater samples from the WSW to confirm the results of the January 2007 sampling event and installation of a carbon treatment unit (capable of removing constituents that exceeded NC2Ls) on the NCDSRF Visitor Center WSW, prior to placement of the well in service as a potable water source.

An *Interim Phase III RFI Report* was submitted on February 29, 2008, which presented the findings of the activities described in the work plan addendum. The results from a groundwater sample collected in September 2007 confirmed the detections observed in the NCDSRF WSW during the January 2007 sampling event. In addition, concentrations of TCE detected in the WSW did not exceed calculated indoor air screening levels protective of potential receptors (i.e., visitor center worker); therefore, indoor air was excluded as a media of concern at the NCDSRF Visitor Center. The report recommended implementation of remedial actions including the installation of a carbon treatment unit along with post-treatment groundwater monitoring prior to well use to address the concentration of TCE that exceeded the NC2L standards in the WSW.

DuPont voluntarily designed a granular activated carbon (GAC) water filtration treatment system for the NCDSRF Visitor Center WSW as an interim remedial measure (IRM) to ensure a safe water supply to Site workers, the visitor center, and restrooms. In January 2009, DuPont, in concert with the NC Forest Service, installed the GAC water treatment system at the NCDSRF Visitor Center. To confirm that the system is functioning as designed, DuPont implemented a proactive sampling regime. Confirmation samples of the water flowing from the treatment system were collected on a monthly basis for a four month period after the restrooms were opened to the public. Then the sampling frequency was reevaluated and adjusted accordingly. The current sampling program consists of annual GAC filter change-outs and semi-annual sampling of water from the system. The *DuPont State Forest Service Visitor Center Interim Measure Report* submitted to NCDENR in June 2009 presents additional details about the IRM activities (DuPont CRG 2009).

The GAC filters were last changed-out on September 23, 2014, and the most recent semi-annual analytical samples were collected from the pre-filter, primary filter, and secondary filter locations of the system on April 17, 2015. A letter report summarizing these activities will be submitted to NCDENR once the final analytical results are received and reviewed by the project team. The ongoing results of the semi-annual monitoring program indicate that the GAC system remains effective at removing VOC constituents in groundwater used as a water supply for the NCDSRF Visitor Center.

2.5.2 SWMU 11 and SWMU 14 Interim Measure Activities

One of the former Site processes was the manufacture of medical imaging (x-ray) film, also known as polyethylene terephthalate (PET). Nonhazardous, off-specification and process startup waste PET film produced at the facility was previously deposited into two SWMUs that were under investigation as part of the facility's CA program. These units are SWMU 11 (the former East Landfill) and SWMU 14 (the former ball field area), both of which are depicted in Figure 2.

The Site historically operated the East Landfill as a permitted landfill under Permit #88-06 issued pursuant North Carolina's RCRA Solid Waste Regulations (15A.13B.0505). The former East Landfill (now SWMU 11) was originally opened in 1972 under state approval as per the North Carolina Board of Health "Rules and Regulations Providing Standards for Solid Waste Disposal." The East Landfill stopped receiving waste in 1996 and was officially closed per the approved East Landfill Closure Plan (DuPont DERS 1996a). State approval of the closure was granted on August 22, 1996, and reaffirmed on May 21, 2001. Oversight of the post-closure activities was transferred from the NCDENR Solid Waste Section to the Hazardous Waste Section on June 30, 2004, in recognition of the RCRA CA permit designation of the landfill as a CA SWMU. The former ball field area (now SWMU 14) was an open area used to dispose of various wastes generated during the manufacturing process between 1958 and 1972. The area was reclaimed and used as a ball field during DuPont ownership. The ball field had not been used since DuPont reacquired the Site in 2006.

An important consideration to progress the Site toward completion of the original remediation goals was a plan to consolidate certain waste materials from other areas of the Site into the former East Landfill (SWMU 11). In order for this plan to be allowed, the State required DuPont to establish a CAMU at SWMU 11 to act as the consolidation location for nonhazardous materials from other areas of the Site. DuPont submitted the SWMU 11 CAMU Application on April 20, 2010, and a revised application on October

29, 2010. NCDENR approved the establishment of the CAMU via a modification to the RCRA permit on April 21, 2011.

An interim measure (IM) removal/consolidation effort using the CAMU was carried out at the Site between June 2011 and July 2012 in accordance with the Interim Measures Work Plan (WRScompass 2011), which was approved in April 2011. Plastic material from SWMUs 11 and 14 was removed, and where possible, the waste PET material was recycled. The remaining acceptable remediation waste material (RWM) from SWMU 14 was then placed into the CAMU. During the effort, approximately 9,771 in-place cubic yards of PET material from SWMU 11 and 6,140 in-place cubic yards of PET material from SWMU 14 were shipped off-site for recycling. Approximately 80,665 in-place cubic yards of acceptable RWM was removed from SWMU 14 and placed into the SWMU 11 CAMU.

An interim landfill cap had been constructed over the SWMU 11 CAMU by the end of July 2012 according to the specifications detailed in the CAMU application. The *Interim Measures Report* (Parsons 2012c) describes these activities in detail. Semi-annual, post-closure groundwater and surface water monitoring was started in the second half of 2012 and is ongoing.

The most recent *Interim CAMU Groundwater Monitoring Report* summarizing the ongoing semi-annual, post-closure groundwater and surface water monitoring was submitted on March 13, 2014. The report summarized the data collected during the first three completed semi-annual interim CAMU sampling events, and confirmed that the RWM that was placed into the CAMU has not affected the quality of the surrounding groundwater and is not adversely impacting human health or the environment. Additional information about the CAMU monitoring program is included in Section 6.0.

2.6 Physical Setting

The following sections describe the physical setting and attributes of the Site. Additional details about the Site environmental setting can be found in the historical investigation documents listed in Section 2.3.1 above.

2.6.1 Regional Physical Setting

Regional Climate

Transylvania County has a moderate climate with a relatively high average precipitation totals. The warmest month is July, with an average high of 83 degrees Fahrenheit (° F). The coolest month is January with an average low of 24° F. The winter months of December and January have the two highest average precipitation amounts at 6.38 and 6.4 inches, respectively. The average annual precipitation is approximately 64 inches.

Regional Geology

The DuPont Brevard facility is situated along the boundary between the Blue Ridge and Inner Piedmont Physiographic Provinces. The Brevard Fault Zone, a one-third to two-mile-wide zone of highly broken mylonitic rock, separates the Blue Ridge from Inner Piedmont rocks and trends along northern portions of the site (South Carolina Geological Survey 2007).

The property sits atop the largest granitic pluton in western North Carolina. Crystalline rocks approximately 438 to 447 million years old form this structure. Rocks north of the Slicking Gap Fault are classified as Henderson Granitic Gneiss. This rock is described

as a medium gray, medium- to coarse-grained granoblastic matrix with large megacrysts (augens) of microcline, and lepidoblastic; layers are massive to well foliated and mylonitic in places. To the south of the fault, rocks are identified as belonging to the Table Rock Gneiss and described as white to medium gray, medium- to coarse-grained, granoblastic, weakly foliated to foliated, locally mylonitic (North Carolina Geological Survey 2011). Fracturing may be seen in both formations.

Regional Hydrogeology

A regolith consisting of soil, saprolite, and weathered rock commonly is found above crystalline rocks found near the DuPont facility. Porosity of this weathered material is much higher (between 20 to 30 percent) than the crystalline rock (except maybe along fracture zones in the rock); groundwater is therefore likely to be in greater storage in the regolith compared to fractured bedrock (U.S. Geological Survey 1997). Flow from the weathered material is mainly via pore space and follows topographic trends. Groundwater flow in the residuum is not hydraulically distinct from flow in the underlying bedrock because the source of groundwater within the fracture is believed to be drainage from the overlying residuum (Heath 1980). The crystalline nature of the granite and gneiss result in very low primary porosity. Groundwater flow direction and rate are governed by the orientation and size of fractures, faults and foliation planes within the bedrock. Fracture openings are generally less than one percent of the rock volume, and water-bearing fractures are uncommon at depths greater than 300 feet below surface.

2.6.2 Local Physical Setting

The following paragraphs describe the local physical setting for the Site based on the findings of Site investigations.

Site Topography

The Site rests on top of a granitic plateau that contains some undulations in slope and generally trends downslope from northwest to southeast. Higher land elevations (over 2600 feet above MSL) along the property occur along the northwest portion of the Site near Lake DERA, with elevation decreasing to less than 2525 feet above MSL eastward along Little River. Land along the river often is seen as reasonably flat outwash with slopes significantly increasing on off-site lands east and south of the river.

Site Geology

Overburden

The interval ranging from ground surface to the top of the saprolite unit has been described as the sitewide soils. According to the Soil Survey for Transylvania County (U.S. Department of Agriculture Soil Conservation Service and Forest Service 1974), the majority of the soils beneath the site are from the Ashe Series and Chester Series. Both series consists of very well drained soils “under forest vegetation in residuum derived from gneiss or granite.” The overburden soil materials lack the obvious intact structural appearance of the underlying weathered-in-place bedrock (saprolite). Overall, material across the Site has been determined to consist of mostly silty sands and sandy silts with varying colors ranging from black or hydric in appearance, to tan, grayish, yellow-orange, and brown with intermixing and noted gradations. Historical borings advanced near Little River have yielded overbank deposits with more fine to medium sands, with a lesser silt content and abundant gravel (Parsons 2009).

Overburden material on Site ranges from 0.25 feet thick to approximately 20 feet thick. Thick overbank deposits have been found in close proximity to Little River. The thinnest

sections located during the Phase III RFI were found along topographic high regions such as at SWMU 17. Additional borings more centrally located in the Western portion of the former manufacturing area have been found to have varying deposits ranging from less than one foot to approaching 20 feet. These borings, however, are subject to displaying a false representation of the actual thickness due to displacement of overburden during previous building construction and removal efforts (Parsons 2009).

Residuum

Residuum at the Site is defined as saprolite and PWR zones. The following sections discuss the composition and occurrence of both. Residuum thickness, combined with overburden, can easily be correlated to the relief of the underlying outcrop (Parsons 2009). Residuum is less thick where there is an elevated section of bedrock, such as near SWMU 17 and southeast and southwest of Lake DERA. The residuum is thicker in the valley sections of bedrock. This is most likely because the groundwater flow follows the topography of bedrock, with a saturated thickness being greater in the “valley” areas of the bedrock. These saturated conditions are favorable for in-situ chemical weathering and would therefore produce thicker residuum.

Saprolite

Saprolite is defined as weathered bedrock that is in-situ and maintains the mineral fabric of its parent material. Saprolite was observed in every monitoring well, piezometer and boring advanced at the Site. Saprolitic materials observed at the Site are defined by their characteristic banding of white and tan matrix materials (predominantly fine sands and silt) with dark banding materials (predominantly micas) as seen in the gneissic banding of the parent rock. As mentioned above, saprolite is observed to be thicker in the valley regions between elevated regions of bedrock. Saprolite exhibits more variability in the western half of the Site where there is considerably more relief in topography. The eastern area of the Site contains more valley topography and therefore thicker and more uniform distributions of saprolite.

Partially Weathered Rock

PWR is compositionally the same as the unconsolidated saprolite, but contains more competent material such as rock fragments. Thicknesses range from 4.5 feet to 26 feet across the Site, with the greatest thickness being below the former manufacturing area of the Site. The most recent cross-sections combining Phase III RFI and historical boring data do not support a pattern of PWR thickness in the valley regions (as with the saprolite and overburden) (Parsons 2009).

Bedrock

The installation of seven bedrock wells during the Phase III RFI activities provided an opportunity to observe notable distinctions in the fabric and mineral size that corresponded to three general categories of bedrock. North of SWMU 17, the gneiss was particularly phaneritic with large augens distributed throughout the matrix, occupying approximately 20% of the material. Biotite and feldspar were more abundant than quartz, making the rock more friable than that observed in the borings along Little River. The monitoring wells installed along the southeast and southern portions of Little River are located in gneiss that is more aphanitic. This rock was more durable and appeared more competent than that seen in the vicinity of SWMU 17. Bedrock material present in monitoring well BR-4 had a higher quartz content, and was very hard and competent. The minerals were larger than those seen in BR-1 through BR-3, and there were several pockets of large potassium feldspar.

Each boring contained at least one or two physically observable fractures coated in an iron-oxide or limonitic staining, indicating the presence of water. Most of the fractures were at an angle that roughly paralleled the foliations in bedrock, but some were nearly vertical (Parsons 2009).

Site Hydrogeology

Overall Site hydrogeology has been determined by reviewing updated potentiometric surface maps (Figures 4 through 6), along with unit thickness maps and the Bedrock Surface Contour Map generated during the Phase III RFI (Parsons 2009). In addition, data was assimilated from the slug testing conducted on 32 wells and a borehole geophysical investigation conducted on the seven bedrock wells and data from past RFI events.

Groundwater Elevations

Groundwater elevations measured across the Site on November 3, 2014 (Table 2), ranged from 2565.00 to 2495.05 feet above MSL. Groundwater elevations are highest on the western portion of the Site; the lowest on the eastern side of SWMU-14 and along Little River, the eastern Site boundary.

As indicated from the 2009 vertical hydraulic gradient calculations in the Phase III RFI report, the western portion of the Site (west of the former manufacturing areas) experienced predominantly downward flow from the shallow aquifer to the bedrock aquifer. The eastern half of the Site showed predominately upward flow from deep soil/bedrock to shallow soils. Vertical gradient calculations using the data collected during the final investigation indicate that the reverse is occurring: on the western portion of the site, groundwater is predominately upward flowing from the bedrock aquifer to shallow soils, and on the eastern portion of the site groundwater is predominately downward flowing. This difference from the 2009 event may be a result of fluctuations in rainfall.

Surficial Aquifer

As discussed in previous RFI reports, the surficial aquifer is defined by the saprolite/partially weathered rock material and the overburden deposits adjacent to Little River. The overall flow pattern within the surficial aquifer continues to be across the Site in a previously defined east to southeasterly direction. Surficial groundwater also appears to flow radially from the bedrock mound beneath the SWMU 17 area. Groundwater gradients move in a manner that follows bedrock topography. Horizontal gradients are noted to be the steepest in areas where bedrock topography is greatest and lowest where the topography begins to level off in the presence of Little River. The thickest saturated zones of the surficial aquifer reside within the valleys between high points in the bedrock (Parsons 2009).

Bedrock Aquifer

Seven bedrock wells averaging in depth from 69 to 100 feet below ground surface (bgs) were installed during the Phase III RFI and were observed in conjunction with the six existing water supply wells (averaging in depth from 60 to 420 feet bgs). Flow patterns observed in the potentiometric surface maps depicted a relatively uniform horizontal gradient toward the southeast.

A borehole geophysical investigation was conducted by Golder Associates after the bedrock wells were installed in order to investigate the borehole fractures within the bedrock. The Golder report concluded that during flow-meter measurements, only a few

individual fractures or sets of fractures produced virtually all inflow to these boreholes during pumping. Final results from the borehole geophysical analysis performed on the seven bedrock locations installed during the Phase III RFI (Golder Associates 2009) and WSWs (Golder Associates 2006) revealed the following interpolations:

- There are hundreds of possible permeable fractures in the wells; however, only a few were identified as sets of fractures that produce the majority of the inflow as determined by the tested boreholes.
- Such water producing fractures showed a tendency to be horizontal in nature, dipping toward the southwest at a moderate angle (Golder Associates 2006).
- Fractured zones are shallow dipping, sparsely concentrated, and typically run in a direction parallel to the surrounding geologic formation.
- Any particular areas with possible substantial transmissivity results are likely discontinuous and unconnected.
- The potential for horizontal flow within the known individual fractures is definitive, however extremely inferred due to the unknown lateral dimension of the discovered fractured zones.
- Large-scale vertical permeability of the geologic formation is low.

Surface Water

Lake DERA (elevation approximately 2566 feet above MSL) is an approximately 12-acre man-made lake located along the northwest quarter of the property. The lake is fed by small creeks along its northwest corner, surface water runoff, and possibly by shallow groundwater flowing in from the north. Overflow from Lake DERA is channeled through an unnamed creek across the property and drains into the Little River approximately 3500 feet to the east-northeast. The Little River originates south of the Site and flows northward along the south and east property boundary. The river receives overflow from Lake Julia located southeast of the DuPont property and runoff from surrounding highlands from the south. The Little River continues its northern run for six miles where it drains into the French Broad River (Google Earth 2012).

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3.0 FIELD INVESTIGATION ACTIVITIES

As previously stated, DuPont has been conducting soil and groundwater investigation and remediation activities at the Site for many years. Historically, these activities were conducted under the Site's HSWA CA permit. However, the most recent field investigation was conducted under the State's Risk Bill. In accordance with the requirements of the Risk Bill, this section describes the methodology that was used to complete the final field investigation activities. In addition, for completeness' sake, a summary of the methodology that was used in previous investigations is also included. Information about the CAMU groundwater monitoring activities that were conducted in conjunction with the final field investigation is presented in Section 6.0.

3.1 Historical Field Activities

3.1.1 Monitoring Well and Piezometer Installations

This section provides a description of the methods that were used to install the monitoring wells and piezometers that make up the current site ground water monitoring well network (Figure 3).

RFI Phase I Installations:

During the Phase I RFI, piezometers were installed utilizing DPT and augering methods. The piezometers were installed such that the top of the screened interval was placed 6 inches to 1 foot lower than the observed top of the saturated zone of the shallow aquifer to allow for groundwater fluctuations. In piezometer locations that probe refusal occurred (prior to reaching the saturated interval), solid stem auger drilling was used to advance the borehole and complete the well. Probe and auger locations that did not intercept the saturated zone before refusal were properly abandoned.

Piezometers were constructed of ¾-inch diameter, flush jointed schedule 40 PVC pipe. The 5-foot pre-packed screen was machine-slotted with 0.010-inch openings. A PVC riser was installed to approximately 2 feet above the ground surface. The pre-packed sand extended over the screen interval approximately 1 foot. A bentonite slurry was tremied into the remaining annular space to prevent surface runoff from entering the borehole.

The approved work plan for Stage II of the Phase I RFI proposed the installation of four additional piezometers and 12 monitoring wells. A total of 21 monitoring wells and no piezometers were completed during the Stage II field investigation.

A dynamic field approach was used to determine the target depths of the well screen intervals. The screen intervals of the nested well pairs were situated in the surficial aquifer based on the saturated thickness at each drilling location as determined by DPT and augering methods. One well screen interval bracketed the water table. The second, lower screen interval coincided with the bottom of the surficial aquifer. A 5-8 foot separation between the bottom of the well screen bracketing the water table and the top of the well screen located at/or near the bottom of the saturated zone was maintained. Well screen intervals bracketing the water table were 10 feet in length to account for water table fluctuations in all shallow monitoring wells except MW-114A due to waste materials being present. Well screen intervals that coincided with the bottom of the saturated zone were 5 feet in length in all deep monitoring wells except MW-102B, MW-111B; and MW-110B. When a saturated thickness of less than 15 feet was

encountered, a single monitoring well installed with a 10-foot screen bracketing the water table (MW-101, MW-105, and MW-108).

Well construction consisted of 2-inch PVC well casing with a mechanically slotted screen that was inserted into the auger. A sand pack was installed through the auger to approximately 0.5 to 2 feet above the top of the well screen. A bentonite slurry was placed on top of the sand pack. The remainder of the borehole was filled with a cement/bentonite slurry to ground surface. All wells have a concrete pad with a protective steel casing installed around the well casing. Bollards were installed as necessary to protect the well head.

RFI Phase II Installations:

Monitoring wells were installed using a track-mounted drilling rig equipped with 4.25 inch inner diameter (8.00-inch outer diameter) hollow stem augers. The total depth of the monitoring wells ranged from five feet to 68.5 feet below land surface (bls). Continuous soil samples were collected for lithologic description using direct push technology (DPT) prior to construction of the monitoring wells. Sample descriptions and monitoring well construction details were recorded in bound field logbooks by a geologist and summarized on boring logs provided.

Permanent monitoring wells were installed for the collection of groundwater samples as well as increasing the potentiometric database. In order to determine if a vertical gradient exists within the surficial aquifer and to effectively determine groundwater quality in areas where the saturated thickness of the surficial aquifer exceeds 15 feet, nested well pairs were anticipated to be constructed at several locations at the Site. A total of 17 nested well pairs were installed as well as one nested triplet.

A dynamic field approach was used to determine the target depths of the well screen intervals. The screen intervals of the nested well pairs were situated in the surficial aquifer based on the saturated thickness at each drilling location, using the same criteria as described above in the Phase I approach. In one instance where the saturated thickness of the surficial aquifer was greater than 60 feet, a third well monitoring well was installed (MW-211 A, B, and C).

Monitoring wells were constructed of 2-inch diameter, flush-jointed, schedule 40 polyvinyl chloride (PVC) casing and mechanically slotted with 0.010-inch opening (10 slot) screen, as described above in the Phase I approach.

Newly installed monitoring wells were developed over the course of the field investigation to remove sediments, repair damage to the formation, and ensure connectivity with formation. Development was achieved by lowering a submersible well pump to the bottom of the well and pumping the well until the purge water became clear. The length of the well screen was then surged with the pump or a surge block to free sediments from the sand pack and re-pumped until the absence of visual turbidity. The visual turbidity of the purge water determined the total number of times this process was repeated. In most cases, not more than 50 gallons total of development water was removed from the well. At least 24 hours were allowed between completion of the well and development activities. Upon development, wells were allowed to sit a minimum of 24 hours prior to initiating sample collection.

RFI Phase III Installations:

During the Phase III RFI activities, 16 groundwater monitoring wells were installed across the Site to provide sampling points where there were previous data gaps. Seven

of the monitoring wells were advanced into the bedrock and nine wells were advanced within the residuum.

The new bedrock wells were installed around the perimeter of the Site. Two were located north of SWMU 17, while BR-11 was installed southeast of SWMU 17. Monitoring well BR-4 was installed along the northeast boundary of the Site, while wells BR-1 through BR-3 were installed along Little River at the Site's south-southeastern boundary. Installing monitoring well BR-11 was the result of a field decision that was not part of the Work Plan or addendum and modification reports. A shallow well was originally planned for the location where BR-11 was installed. However, no groundwater was present in the residuum, and therefore it was necessary to install the well in bedrock.

All bedrock wells were advanced through zones of water-bearing fractures, ending at a point when the fractures were scarce, but not to exceed 100 feet bgs. The wells were installed using this criterion to capture the most water possible in the fractured bedrock. Surface casing were installed through the surficial aquifer and sealed in bedrock with Portland cement to prevent surficial contamination of the bedrock aquifer.

The bedrock monitoring wells were installed as Type III installations through the use of a track-mounted roto-sonic drilling rig utilizing dual rotary casing (outer conductor and inner core barrel) drilling techniques. This technology allowed for observation of lithologic conditions including fractures, joint sets, secondary mineralization, and foliation planes to aid in the determination of possible water-bearing zones within the granitic/gneiss rock formation.

Continuous soil samples were collected from ground surface to the top of bedrock during drilling operations for field screening, lithologic characterization, and description into a bound field book by a field geologist. Upon reaching the top of bedrock, a 4-inch threaded steel conductor casing was placed into the borehole through the outer conductor casing, and the annulus between the casing and the borehole was cemented in place using a neat cement grout while extracting the outer drill casing. The grout placed in the annulus between the borehole and the casing was allowed to cure for a minimum of 24 hours prior to advancing the borehole into the bedrock.

Bedrock coring activities were also completed using roto-sonic techniques through the permanent outer 4-inch steel conductor casing to a depth where sufficient fracture zones were encountered or a total depth of 100 feet below land surface was achieved. Rock cores were collected in most cases on 10-foot drilling intervals. Retrieved rock cores (approximately 4 inches in diameter) were extracted from the sonic core barrel; washed; evaluated for core recovery length, composition, fracture zones, and secondary water indicators; catalogued; and logged into a bound notebook by a field geologist. Each core box was labeled according to standard practices and stored at the facility for future use and correlation with the geophysical logs and subsequent evaluation.

Final Field Investigation:

No monitoring wells or piezometers were installed during the final field investigation.

3.1.2 GORE-SORBER® Sampling

As part of the Interim Phase III RFI Investigation activities (See *Interim Phase III RFI Report*, CRG 2008), a soil gas survey using GORE-SORBER® module technology was used to help further characterize SWMU 17 and downgradient areas. This technology utilizes an adsorbent engineered structure to collect a wide variety of volatile

compounds, which are evaluated with laboratory gas chromatograph (GC) / mass spectrometry (MS) methods. Results obtained from such surveys are useful in determining relative information with regard to the potential presence and spatial distribution of the volatile compounds.

Each module included a suitable granular adsorbent material that has the ability to absorb a broad range of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). The sorbers have good hydrophobic properties and are sheathed in the bottom of a 4-foot long, vapor-permeable insertion and retrieval cord. Both the retrieval cord and the sorbent container are constructed of solely inert, hydrophobic, microporous GORE-TEX® ePTFE, similar to polytetrafluoroethene. The ePTFE acts as a protector from soil and groundwater without retarding vapor diffusion.

Using a pre-determined grid system, 45 GORE-SORBER® modules were installed September 6 through September 7, 2007, in 20 pilot holes completed to approximately 3 feet below ground surface. After a pilot hole was completed, the GORE-SORBER® module was removed from its reusable storage and shipping container and inserted into the pilot hole. The sorbers, which are at the end of the module, were pushed to the bottom of the pilot hole. The top of each module was fastened to a cork that was tamped flush with the ground surface to seal the annulus of the hole. Each location was flagged and properly marked for future location purposes.

The GORE-SORBER® modules were left in place for approximately 2 weeks. Upon retrieval from the pilot holes on September 21, 2007, the modules were resealed in shipping vials and placed into a shipping cooler on ice for transport to W.L. Gore & Associates of Elkin, Maryland for analysis of target constituents.

3.1.3 Vapor Intrusion Sampling

A vapor intrusion soil gas study was conducted in September 2008, by URS Corporation around the North Carolina State Forest property Visitor Center in response to chlorinated solvent contamination detected in January 2007 from the water supply well WSW-DSF3. DuPont followed up in the February 2008 *Interim Phase III RFI Report* with a conservative vapor intrusion analysis from the groundwater pathways that indicated trichloroethene did exceed indoor air screening levels. However, the NCDENR requested in May 2008 that a soil gas study be conducted.

As proposed in the *Notice of Modification Phase III RFI Work Plan* (DuPont CRG, 2008b), four soil gas samples were collected in SUMMA canisters from around the Visitor Center; one from each side of the building and a fifth sample of ambient air collected upwind of the building. Soil gas samples were collected at a depth of 5 feet below the depth of the basement slab as close to the building as practical. The intake of the ambient air sample was at approximately 3 to 5 feet off the ground (at the approximate midpoint of the building's ground-level story). Samples were analyzed for tetrachloroethylene (PCE); trichloroethene (TCE); 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE) and vinyl chloride. The URS *Phase III RFI Investigation Field Summary Report* (URS, 2009), which was included with the Phase III RFI report, contains detailed methodology and soil gas locations.

3.1.4 Historical Groundwater, Surface Water, and Soil Sampling

Various historical sampling events have been conducted across the Site from 1996 through the present. These events have included the sampling of various environmental

media including groundwater, surface water, and soil. Details and results of these sampling events are briefly summarized in Section 2.3 and are presented in detail in the documents listed in Section 2.3.1. The historical data were combined with the new data from the final remedial field investigation activities (summarized in the following section) and used to update the SCM (Section 7.0).

3.2 Final Remedial Field Investigation

Based on the overall site remediation goals and the SCM, the project team identified the remaining data gaps (as presented in the *Final Remedial Investigation Work Plan*) that needed to be addressed at the Site. The objectives of the final phase of field investigation were developed to fill the data gaps in order to support the completion of this *Remedial Investigation Report*. The following six objectives were addressed with the final field investigation:

1. Fill surface soil data gaps to support future proposed land uses (includes recreational and low-impact training use by the NCNG).
2. Complete confirmation soil sampling at SWMU 14 (the former ball field).
3. Ensure that adequate surface covers are present at SWMUs 4, 12, 13, 15, 16, 19, and 18/20.
4. Verify that groundwater concentrations are consistent with protection of sensitive surface waters.
5. Investigate current conditions in Lake DERA, DERA Creek, and Little River.
6. Verify SCM assumptions regarding absence of potential downgradient receptors of drinking water to support final risk evaluation.

This section presents details about the various field activities and tasks that were completed to address the data gaps and support the development of this report. The field activities were conducted in accordance with the procedures described in the Sampling and Analysis Plan (SAP), which was provided as Appendix A of the work plan. All investigation-derived waste was non-hazardous and was managed in accordance with the project-specific Waste Management Plan.

3.2.1 Site-Wide Surface Soil Sampling

To meet the state's current intended use of the property, it was critical to sufficiently understand the conditions in surface soil (defined by NCDENR in Figure 3 of their *Guidelines for Establishing Remediation Goals at RCRA Hazardous Waste Sites* as soil less than 2 feet bgs). Supplementary Site surface soil data were needed for evaluation purposes to ensure the protection of future intended users. As such, additional surface soil data were gathered during this investigation from within the former manufacturing area and other key locations (SWMUs 13, 14, 15, 16, and 19) as needed for use in the assessment of future exposure scenarios. Soil sample field observations are included as Appendix A.

Incremental Soil Sampling

Given the proposed use of the Site and to ensure that direct contact soil concentrations will be protective of potential future land use scenarios (i.e., military and recreational where potential receptors are forest rangers, NCNG personnel, utility workers, and adult or child trail users), the development of an accurate mean concentration of COPCs was

required. As soil is a highly heterogeneous solid with many components, sampling soil for the purpose of obtaining an estimate of the mean COPC concentration is highly susceptible to sampling errors from a variety of sources. Traditional sampling methods (e.g., discrete and composite sampling) do not adequately address this problem, especially when evaluating a large and potentially diffuse area without point sources (as in the case of this Site). In order to reduce these sampling errors, the project team used the Incremental Sampling Methodology (ISM) to assess the majority of the surface soil in the former manufacturing area. ISM is described in detail in a document published by the Interstate Technology & Regulatory Council entitled *Incremental Sampling Methodology* (February 2012). This document briefly describes ISM as

“...a structured composite sampling and processing protocol that reduces data variability and provides a reasonably unbiased estimate of mean contaminant concentrations in a volume of soil targeted for sampling. ISM provides representative samples of specific soil volumes defined as decision units (DUs) by collecting numerous increments of soil (typically 30–100 increments) that are combined, processed, and subsampled according to specific protocols.”

For the final field investigation, the former manufacturing area of the Site was divided into 11 DUs (Figure 7). With the exception of DU 1, the units were sized to result in approximately the same number of increments. Decision unit 1 covered an area that was mostly used for parking or office areas and was unlikely to show any evidence of site-related impacts; therefore, this DU was made larger. Ten of the units (DUs 1 through 10) were sampled using the ISM technique. In order to confirm previous surface soil detections and to meet other objectives, traditional soil sampling methods (discrete sampling) as described in the following section were used in DU 11 and the remaining SWMUs (SWMUs 13, 15, 16, and 19; Figure 8).

The ISM samples collected during the final field investigation were composed of increments collected from specific points throughout the DU. The positioning of the collection points was set using systematic random sampling. The initial grid cell sampling location was randomly determined and then subsequent increments were collected from the same relative location within each of the other grid cells. The incremental soil samples were prepared by collecting multiple increments of soil from the DU and physically combining these increments into a single sample. The sampling grid pattern that was used is shown in detail in the final investigation work plan.

The systematic random sampling approach was used to provide statistically defensible data and because it was relatively easy to implement. Decision unit 1 was divided into a 100-foot by 100-foot grid, while the remaining units were divided into 50-foot by 50-foot grids. Three replicate ISM samples made up of approximately 40 to 60 increments each were collected. A random location was pre-selected within the initial grid location and subsequent grids were sampled in the same relative location. Each of the replicates was sampled in a similar manner.

The site geographical information system (GIS) was utilized to randomly locate the three increment locations for the starting grid at each decision unit. Following the systematic random sampling technique, these locations were then replicated to each grid within the decision unit. No samples were collected under paved areas in any of the DUs. If an increment fell within a paved area or an obstruction was encountered preventing sample collection, the sampling team adjusted the increment slightly to move it off the paved area or other obstruction. The sample was collected as close to the designated sample

location as possible. The revised location of the increment was recorded. This adjustment did not impact the remaining increments collected at the DU.

Increments were collected from 6 to 18 inches bgs using a hand coring device. The diameter of the coring device was sized to provide the appropriate volume for each increment. Two separate cores were collected at each increment location. The first core was used to collect samples for non-volatiles organic compound (VOC) analysis, and the entire soil core was placed in the container for processing at the laboratory. The second core was used to collect samples for VOC and percent moisture analysis. The VOC soil core was subsampled by collecting several 5-gram plugs along the length of the core to be sampled. A Terra-Core® sampling device was used to collect 6 subsamples that were spaced approximately every 2-inches along the soil core. After the VOC sample was collected, the entire remaining volume of soil was collected in a separate container for percent moisture analysis. The ISM VOC approach was similar to that described for sampling ISM non-VOCs in the subsurface, except that numerous soil increments were placed directly into an adjusted volume of extraction solvent in the field (e.g., methanol).

An equal volume of soil was collected from each increment to ensure a representative sample. The incremental volume was calculated based on the total volume requested by the laboratory for each ISM sample using the procedures outlined in the ITRC guidance document.

The replicate ISM samples were collected in order to statistically evaluate sampling precision for each DU. The increments for these samples were collected separately from the initial sample and the samples were made of the same number of increments collected in the initial ISM sample. Three replicate samples (the initial ISM sample plus two additional samples) were collected, prepared, and analyzed in the same manner from each DU.

The samples were submitted for laboratory analysis of the constituents listed in Table 3. The non-VOC sample was air dried (if required), dry mixed, and sieved using a standard #10 sieve (<2 millimeters) to remove vegetation and larger particles following the procedures outlined in the ITRC guidance document.

Discrete Surface Soil Sampling

As described in the Final Investigation Work Plan, discrete surface soil samples were collected in DU 11 around AOC A and at the remaining SWMUs (SWMUs 13, 14, 15, 16, and 19). Surface soil samples in these areas were collected with a hand coring device (e.g., hand auger) from the 6 to 18 inches bgs interval at the approximate discrete locations shown on Figure 8. The samples were submitted for laboratory analysis of the constituents listed in Table 3.

The surface soil samples to be analyzed for VOCs were collected directly from the sample collection device with a small coring tool (a Terra-Core® sampling device) and then capped and/or preserved as appropriate. For all additional parameters, soil from the depth interval to be sampled was transferred from the collection device to a stainless steel mixing bowl for homogenization. The homogenized sample was then transferred to the appropriate laboratory-supplied sample collection bottles using decontaminated stainless steel spoons or trowels. A separate aliquot of each sample was placed in a re-sealable plastic bag and field screened for VOCs/SVOCs with a Photo Ionization Detector. All non-disposable sampling equipment was decontaminated between sample depths and borehole locations using the procedures outlined in the work plan.

SWMU 14 Soil Sampling

As described above in Section 2.5.2, the former ball field area (now SWMU 14) was reclaimed and used as a ball field during DuPont ownership but has not been used since DuPont reacquired the Site. A PET recycling project was completed at SWMU 14 in July 2012. Activities consisted of excavating PET for recycling and moving any unusable nonhazardous waste from SWMU 14 to the CAMU established at SWMU 11. The details of the proposed interim SWMU 14 remediation/recycling project were outlined in the revised *Interim Measures Work Plan* (WRSScompass 2011).

Only a minimal amount of “unacceptable” material was encountered during the remediation of SWMU 14. Unacceptable material was defined as material that had to be transported off-site for proper disposal instead of being transferred to the CAMU. These materials included stained soils or liquids, metal containers (e.g., drums and cylinders), and other wastes (e.g., tires). The unacceptable material that was excavated from SWMU 14 included a truck tire (which was picked up for recycling), a corrugated metal pipe, a five gallon bucket of Thermon Heat Transfer Cement mastic later identified through the manufacturer’s material safety data sheet as nonhazardous material, three open-top drum carcasses containing PET and residual glycol that was solidified with concrete, and a gas cylinder transported for analysis and proper disposal. All of these materials were determined to be nonhazardous. A small amount of greenish-blue water that evaporated within a day was also noted in the excavation. The location in which each item was discovered was noted on a topographic drawing. The findings of the IM activities are presented in the *Interim Measures Report* that was submitted to NCDENR on October 26, 2012 (Parsons 2012c).

The IM work plan called for post-excavation confirmatory soil samples to be collected from the bottom of the SWMU 14 excavation in a manner intended to document environmental conditions as they exist following excavation. Due to the expansion of the excavated area and issues with excess water present in the excavation, DuPont decided to postpone the collection of confirmatory samples and combine them with future investigation activities at the Site. Therefore, the post-excavation soil sampling of SWMU 14 was conducted as part of this final field investigation.

The final investigation confirmatory soil sampling plan for SWMU 14 was developed to ensure that samples were collected from the areas where “unacceptable” material was uncovered and to meet the Site objectives for future intended use. As part of the final field investigation, 10 surface soil samples were collected from the 6 to 18 inches bgs interval at the locations shown on Figure 8. One confirmatory sample was collected from each of the five areas where “unacceptable” material was encountered, and five additional samples were collected from the interior of the excavation where no unacceptable material was uncovered. The soil samples were collected in accordance with the procedures described in the work plan and in the Discrete Surface Soil Sampling section above. All samples were submitted to a NC-certified laboratory for analysis of the area-specific parameters listed in Table 3.

Additional Soil Sampling

In order to address specific questions regarding historical subsurface soil samples collected from SWMU 2C and SWMU 15, additional discrete subsurface samples were collected from these SWMUs during the final investigation. The soil samples were collected in accordance with the procedures described in the work plan and in the Discrete Surface Soil Sampling section above.

Surface Cover Investigation

To meet the state's current intended use of the property, it was necessary to further investigate existing Site conditions to ensure that adequate surface covers are present at SWMUs 4, 12, 13, 15, 16, 19, and 18/20. The observations will be used, in part, to support the development of a *Soil Use/Excavation Management Plan* as part of the final Site remedial approach.

The existing cover material was investigated by collecting several soil cores from SWMUs 4, 12, 13, 15, 16, 19, and 18/20 to determine the thickness and condition of the cover. The cores from SWMUs 13, 15, 16, and 19 were collected at the same locations as the borings where the discrete surface soil samples were collected (Figure 8). The approximate locations of the surface cover investigation cores collected from SWMUs 4, 12, 18, and 20 are also shown on Figure 8.

A small diameter coring device was used to collect soil cores that were at least 24 inches long. The cores were then inspected to determine if the cover material extended to this depth, and the physical description of each was recorded. In addition, historical boring logs of each area (where available) were reviewed and used to assist in the cover investigation.

3.2.2 Groundwater Investigation

During the final field investigation, a selection of the Site's monitoring wells and WSWs were sampled to verify current site-wide groundwater conditions. The wells that were sampled during this event are listed in Table 4 and are shown on Figure 9. The sampling plan was developed to meet the following requirements:

- Re-sample all of the WSWs
- Re-sample the monitoring wells downgradient of key areas/SWMUs and/or near surface waters
- Re-sample all of the bedrock monitoring wells
- Re-sample wells that have limited historical analytical data
- Confirm understanding of current Site groundwater conditions

Prior to initiation of groundwater sampling activities, static water level measurements were collected from the wells and piezometers in the Site's well network (Figure 3) to provide an updated data set from which to analyze current groundwater flow conditions. Groundwater samples were then collected from the locations shown on Figure 9 using the procedures described in the SAP (Appendix A of the work plan). Groundwater samples were obtained using low-flow groundwater sampling techniques in accordance with the USEPA Region IV Groundwater Sampling Operating Procedure (dated March 6, 2013) for collection of groundwater samples.

Low-flow sampling techniques were used to purge the monitoring wells and for collection of all groundwater samples. Purging was conducted to introduce non-stagnant water to the wells from the surrounding aquifer. Low-flow groundwater sampling techniques are used to obtain the most representative groundwater sample possible and to minimize volatilization, waste generation, and potential exposure to impacted purge water. Field parameters were recorded in each well during purging until stabilization was achieved. Field parameter stabilization was defined as measurements being within a 10% range over a five-minute interval. When these field parameters became consistent relative to

previous readings, the well was considered to contain a sample representative of current groundwater conditions. Final field parameter readings are included in Table 5.

The analytical laboratory supplied all necessary sample containers with appropriate preservatives along with shipping containers. All samples were submitted to a NC-certified laboratory for analysis of the area-specific parameters listed in Table 4.

3.2.3 Surface Water, Sediment, and Pore Water Investigation

In order to sufficiently understand the current Site surface water and sediment conditions, additional samples were collected to confirm the historical sampling results. In addition, supplementary surface water and sediment samples were collected to fill remaining data gaps. Pore water samples were also collected from some locations to increase understanding of the connection between Site groundwater and the adjoining surface water bodies.

Surface water, sediment, and/or pore water samples were collected from the locations shown on Figure 10. Four surface water samples were collected from Little River at locations previously sampled. Nine surface water samples were collected from Lake DERA, and three were collected from the DERA Creek tributary. Surface water samples were also collected from the runoff from SWMU 14 (ball field sample) and two locations that drain into Little River. Sediment was collected from all of these locations except for the location in the DERA Creek tributary immediately adjacent to Lake DERA (location of SW-8). A total of 19 locations were sampled for surface water, and 18 locations were sampled for sediment. Pore water was sampled at 11 of these locations (see Figure 10).

All samples were submitted to a NC-certified laboratory for analysis of the area-specific parameters listed in Table 3. Additional details about the specific surface water, sediment, and pore water sampling methods to be used in the investigation are included in the SAP. Field parameter readings are included in Table 5.

Sampling began at the most downstream location and moved upstream to minimize cross contamination between sample locations. In addition, wherever sediment and surface water samples were collected together, field personnel collected surface water grabs prior to the corresponding sediment samples to minimize sediment disturbance. Wading was the preferred method for reaching each sampling location, particularly if the stream had a noticeable current (i.e., is not impounded). However, if the stream/lake sample location was too deep to wade (>4 feet deep), the sample was collected from a boat.

Surface Water Sampling Methodology

Surface water samples were sampled in accordance with the USEPA Region IV Surface Water Sampling Operating Procedure (dated February 28, 2013) for collection of surface water samples. The samples were collected with a peristaltic pump attached to tubing secured to a pole or other weight. The pole with attached tubing was lowered to the desired sampling depth beneath the water surface. The surface water samples were pumped directly into the appropriate laboratory-supplied sample containers. When entering the stream, Parsons field personnel approached the water sampling location from downstream so as not to increase the turbidity in the water sample during collection.

During the final Investigation, if the water depth at the sampling point was less than 0.5 meter (m), the samples were collected at a depth equal to one-third of the water depth measured from the water surface. If the water depth was greater than 0.5 m, the

samples were collected at a depth of 0.3 m below the surface. All samples collected for dissolved metals analyses were filtered through a 0.45 micron filter attached to the peristaltic pump to remove additional suspended particulates from the sample and subsequently placed in a laboratory-supplied sample bottle. All tubing and filter devices were dedicated single-use equipment to eliminate cross-contamination.

Sediment Sampling Methodology

Sediment samples were collected with a stainless steel Ponar, Eckman, or Peterson dredge (or equivalent sampling device). Prior to collection at each sample location, the dredge and any additional sampling equipment (e.g., stainless steel spoon, polyethylene or stainless steel tray) were rinsed with de-ionized or distilled water, then ambient water. Samples were collected and deposited into a stainless steel bucket. A minimum of three grab samples were composited using only the top 5 centimeters of sediment, mixed thoroughly with a clean stainless steel spoon, and deposited into a laboratory-supplied sample container.

Creek/river grab samples were collected from the middle and from a third of the distance from each of the banks of the stream and composited. Grab samples from the lake were collected at three different locations separated by a distance of approximately two feet from the lake bottom and composited.

Pore Water Sampling Methodology

Sediment pore water was collected using a PushPoint™-type sampler. A PushPoint™ sampler typically consists of a pointed tubular stainless steel tube with a screened zone at one end and a sampling port at the other. The pointed end with the screened zone consists of a series of very fine interlaced machined slots to allow pore water to enter the sampler. A removable guard rod adds rigidity to the sampler during sediment insertion. Pore water was collected through the opposite end of the device by connecting flexible tubing and using a syringe or peristaltic pump to extract the sample. The PushPoint™ sampler was cleaned after each use by rinsing with de-ionized or distilled water. Equipment cleaning took place after each sample was collected. All tubing was dedicated, single-use equipment to eliminate cross-contamination.

3.2.4 Field Quality Assurance/Quality Control Sampling

Field quality assurance/quality control (QA/QC) samples were collected as part of the sampling program. The purpose of the QA/QC Program was to ensure that collected data were both representative and valid. Data Quality Objectives (DQOs) enable the decision-maker to assess the level of certainty that can be attributed to environmental measurements. The DQOs consist of comparability, accuracy, precision, completeness, and representativeness.

To ensure that the DQO for comparability was satisfied, all sampling activities followed the standard operating procedures described in the SAP. Each sample was documented at the time of collection by the investigator. The sample quantity, type, and location were recorded in the field logbook. Sample containers were labeled with sample identification numbers, requested laboratory analyses, and sample preservative type, if present. Prior to dispatch of the samples, chain-of-custody forms were completed and the sample-shipping cooler was secured with a custody seal.

The quality and integrity of samples collected and analyzed during the investigation were monitored by routine preparation of various QA/QC samples in the field. Field program QA/QC samples included trip blanks, duplicates, and equipment/rinsate blanks:

- Trip Blanks – Trip blanks satisfy the DQO of accuracy and consist of cleaned sample vials containing analyte-free water that have been pre-certified by analysis at the laboratory. Trip blanks accompanied every shipping cooler containing sample bottles specified for VOC analysis to determine if cross-contamination occurred during shipping.
- Duplicates – Field duplicate samples were collected to ensure precision and comparability of results and were collected in the same manner as the associated analytical samples. By comparing the results of the duplicate and the original sample, the precision of the analytical method, sample matrix and collection technique could be evaluated.
- Equipment Blanks – Equipment blanks were collected during the field activities to address the DQOs of accuracy and representativeness and were used to identify potential sources of cross-contamination. At the sample location, analyte-free water or deionized water was poured over or through the sample collection device, collected in a sample container, and preserved as appropriate. All blanks were handled, transported, and analyzed in the same manner as the actual field samples.

The quality and integrity of samples analyzed during the investigation were also monitored by routine analysis of various QA/QC samples in the laboratory. The laboratory prepared and analyzed the QA/QC samples specified in the analytical methods and according to their in-house Standard Operating Procedures (SOPs). Laboratory QA/QC samples included Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples and method blanks:

- MS/MSD – MS/MSD samples were analyzed by the laboratory to ensure the DQO of precision was met. MS/MSD samples were spiked with a known concentration of target analyte(s) to determine if bias existed in a given analytical method.
- Method Blanks – Method blanks satisfy the DQO of accuracy, and were used to document contamination resulting from the analytical process. In the laboratory, analyte-free water or deionized water was carried through the complete sample preparation and analytical procedure.

The methods and procedures for monitoring the laboratories' QA/QC programs are documented in the laboratory QA Plans, which are available for review upon request.

The results of the QA/QC samples are included with the laboratory analytical data in Appendix B. The electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. The DDR is an automated internal review process used by DuPont to assist with the determination of data usability. Overall, the project data are acceptable for use as reported by the laboratory.

3.2.5 Verification of Downgradient Drinking Water Receptors

As part of the final field event, the project team investigated the surrounding area to determine if there are currently any potential drinking water receptors downgradient of the Site. This effort was used to support the final human health risk evaluation (as presented in Section 7.0) and to confirm that Site conditions remain fully protective of the future intended use and people.

To help identify potential drinking water receptors in the vicinity of the Site, available on-line well records were reviewed. In addition, the project team worked with DSRF personnel to identify wells on the DSRF property within the vicinity of the Site. Six additional wells (excluding the WSW at the DSRF Visitors' Center) were identified on the DSRF property. These wells are shown on Figure 11.

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4.0 DATA EVALUATION

Because the remaining remedial activities are being conducted under the Risk Bill, site-specific RLs were calculated and have been used to evaluate historical and recently-collected environmental analytical data in order to provide information to support future remedial-decision making. Consistent with the NCDENR document entitled “Establishing Remediation Goals for the DuPont Brevard Facility,” dated February 27, 2014, site-specific RLs for soil and groundwater were developed for the protection of human health and the environment based on planned future uses as proposed by the DSRF and the NCNG. In developing the site-specific RLs, receptors and routes of exposure were refined based on the currently proposed uses. Constituents of potential concern (COPCs) were identified based on comparison of existing RFI data against screening levels for appropriate media and exposure pathways. This section describes the steps of the data evaluation approach, and the results are presented in Tables 6 through 29.

4.1 Confirmation/Identification of COPCs

The newly-collected data from the final investigation was screened in the same/similar manner as was used to develop the site-specific RLs. The purpose of this screening step was to confirm relevant COPCs in soil and groundwater and to potentially identify relevant COPCs in surface water and sediments. The screening process for each media is described below.

4.1.1 Soil

Soil concentrations were compared to NC DENR Inactive Hazardous Site Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) for unrestricted land use. The PSRGs represents a combined exposure including inhalation of particulates and volatile compounds, dermal absorption, and ingestion. The PSRGs are based on a cancer risk of 1×10^{-6} and a HQ of 0.2 (for non-carcinogens). Soil concentrations were compared to PSRGs for protection of migration to groundwater. In addition, soil concentrations for inorganics were compared to site-specific background concentrations determined during the RFI (Parsons, 2012a).

4.1.2 Groundwater

Constituents detected in groundwater were compared to North Carolina groundwater standards established in 15A NCAC⁴ 2L .0200 (NC2L standards) or NC Interim Maximum Allowable Concentrations.

4.1.3 Surface Water

Surface water concentrations in Little River, Lake DERA and DERA Creek were compared to the 15A NCAC 2B (NC2B standards) for protection of freshwater organisms (chronic), protection of trout waters and protection of human health (organism only). Where NC2B standards are not available, National Recommended Water Quality Criteria (USEPA 2012) were used. For constituents that do not have criteria established in the aforementioned sources, surface water screening values were used from alternate sources consistent with 15A NCAC 02B.0208. Pore water concentrations were also compared to NC 2B standards for protection of aquatic life (chronic).

⁴ NCAC – North Carolina Administrative Code

4.1.4 Sediment

Sediment concentrations were compared to PSRGs for unrestricted land use. This is considered a very conservative screening for sediment because exposure to sediment would be less frequent than the assumptions used in the development of the PSRGs.

The results of sediment chemistry analyses were compared to sediment quality benchmarks (SQBs) to evaluate the potential for adverse effects to benthic macroinvertebrate communities resulting from exposure to sediment-associated constituents. Consistent with NC DFW guidance, sediment analytical results were initially compared to USEPA Region 4 sediment screening values (<http://www.epa.gov/region4/superfund/programs/riskassess/ecolbul.html>). If a sediment screening value was not available from USEPA Region 4, SQBs was obtained from literature-based sources, including but not limited to

- Consensus-based threshold effects concentrations (TECs) and probable effects concentrations (PECs) developed by MacDonald et al. (2000)
- Lowest effects level (LEL) and severe effects level (SEL) developed by Persaud et al. (1992)
- USEPA Region 5 Ecological Screening Benchmarks (USEPA, 2003)
- Canadian Interim Sediment Quality Guidelines (ISQG) and Probable Effects Level (PEL) as developed by CCME (2013)
- Risk Assessment Information System (RAIS; <http://rais.ornl.gov/>)

Additional sources of sediment quality benchmarks from federal and state agencies, as well as literature studies were consulted as needed to identify benchmarks for comparisons with bulk sediment results.

4.2 Development of Site-Specific RLs

Consistent with the NCDENR document entitled “Establishing Remediation Goals for the DuPont Brevard Facility,” dated February 27, 2014, site-specific RLs for soil and groundwater were developed for the protection of human health and the environment based on planned future uses as proposed by the DSRF and the NCNG. In developing the site-specific RLs, receptors and routes of exposure were refined based on the currently proposed uses. As detailed above, COPCs were identified based on comparison of existing RFI data against screening levels for appropriate media and exposure pathways. As a result, RLs were developed for the following:

- Groundwater concentrations protective of receptors in Little River (human and ecological)
- Soil concentrations protective of potential groundwater receptors (Little River)
- Direct contact soil concentrations protective of potential future land use scenarios, i.e., military and recreational.

Consistent with Section § 130A-310.68 (b)(9) of House Bill 45 (the Risk Bill), direct contact soil RLs were derived using the range of acceptable target cancer risk levels (10^{-6} to 10^{-4}) and a target hazard quotient of 1.

The technical approach and calculations used to develop the RLs were detailed in a separate document which was submitted to NCDENR in December 2014 and which has been included as Appendix C.

5.0 FINAL FIELD INVESTIGATION RESULTS DISCUSSION

This section provides a summary of the results of the data evaluation conducted on the final field investigation results. Further discussion of the results is presented in Section 7.

5.1 Soil

The results of the final investigation soil sampling are presented in Tables 6 and 7 and are shown on Figures 12 and 13. Overall, the constituents that were detected in surface soil are consistent with prior RFI sampling results. Concentrations in the surface soils are within the range of RLs for the designated proposed future uses.

5.1.1 Incremental Sampling Methodology Soil Results

The Interstate Technology Regulatory Council (ITRC) guidance document for the Incremental sampling methodology (ISM) provides several options for making decisions based on the results of ISM sampling data. Similar to data collected via discrete sampling, there is no one decision mechanism dictated by the use of ISM sampling. The guidance provides seven possible decision mechanisms; each has its own applications, strengths, weaknesses, and assumptions (ITRC 2012).

For the ISM data collected at the Brevard site, the selected decision mechanism is comparison of the 95% Upper Confidence Level (UCL) on the mean of the replicate data from the DU to the action levels. The purpose of the ISM sampling at the Site is to determine if any constituents present in the soil around the former manufacturing area pose a risk to human health or the environment based on the proposed future use. Therefore, the estimate of the mean concentration provided by ISM sampling must be health protective, meaning that there is low chance of underestimating the actual mean concentration within the DU. Using the 95% UCL will accomplish this goal.

There are some important differences with 95% UCLs from ISM data versus discrete sample data. Calculation of a 95% UCL for ISM data requires a minimum of three ISM samples (fewer than is required for discrete data sets to yield reliable 95% UCL values). Also, with discrete data sets, the maximum concentration observed is often used as the exposure point concentration (EPC) if it is less than the calculated 95% UCL. When using ISM data, the calculated 95% UCL value is always used as the EPC even if it is higher than any of the individual ISM results. Due to the fewer number of replicates, calculation of the 95% UCL cannot be accomplished using the same methods utilized for discrete samples. Two methods for calculating the 95% UCL from ISM data are available in the ITRC guidance: Student's-t and Chebyshev.

The Student's-t UCL is calculated using the formula below:

$$UCL = \bar{X} + t_{(1-\alpha/2), n-1} \times \frac{S_X}{\sqrt{r}}$$

Where

\bar{X} = arithmetic mean of all samples

S_X = standard deviation of all ISM samples

r = number of ISM samples

$t =$
 $(1 - \alpha)^{\text{th}}$ quantile of the Student's t distribution with $(r - 1)$ degrees of freedom.

$(1 - \alpha) =$ the probability associated with the Student's t distribution = 0.1

The Chebyshev UCL is calculated using the formula below:

$$UCL = \bar{X} + \left(\sqrt{\frac{1}{\alpha} - 1} \right) \times \frac{S_g}{\sqrt{r}}$$

Where

\bar{X} = arithmetic mean of all samples

S_g = standard deviation of all ISM samples

r = number of ISM samples

$\alpha = 0.05$

The choice of method depends on several factors including the known or anticipated variability or error. The Chebyshev method always produces an equal or higher 95% UCL than the Student's-t method for a given set of ISM data (as long as the number of replicates is greater than 2). However, it also tends to have a higher relative percent difference (RPD) (ITRC 2012).

Based on simulations conducted by ITRC, the coverage (e.g. that the calculated UCL meets or exceeds the actual mean) provided by the two UCL calculation methods depends upon the degree of variance (or dispersion) of the contaminant distribution within the DU. Although a variety of statistics provide a measure of dispersion, the most commonly utilized value for evaluating which method is appropriate for calculating the UCL of ISM samples is the coefficient of variation (CV). The coefficient of variation is the standard deviation (SD) normalized by the mean and is appropriate for normal distributions. The ITRC research determined that the Student's-t value provided good coverage for CV's less than 1.5; while the Chebyshev result provided good coverage when the CV was equal to or greater than 1.5. Note that in order to obtain a proper estimate of the error; the CV must reflect the SD of the increments (aka SD of the DU) divided by the mean, not the SD of the replicates divided by the mean. Since the individual increments are not typically kept for individual analysis, there is no direct measure of the CV (ITRC 2012).

The SD for the increments can be estimated by multiplying the SD for the replicates by the square root of the total number of increments within each replicate. The CV calculated using this SD can then be utilized to evaluate which UCL is most appropriate. An excel spreadsheet was used to calculate the 95% UCL, the CV, and various other statistics for each constituent detected at least once at each decision unit. The calculations are presented in Appendix D. For constituents that were not detected in one or two of the samples, a value of one-half the detection limit was used to calculate the 95% UCL.

The resulting 95% UCL was then compared to the NCDENR Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) for direct contact based on residential and industrial exposures. A summary of the results is presented in Table 7 and discussed further in Section 7.

5.1.2 Surface Cover Investigation

The project team investigated existing Site conditions as part of the final field event to ensure that adequate surface covers are present at SWMUs 4, 12, 13, 14, 15, 16, 19, and 18/20. Soil cores collected from SWMU 4, SWMU 13, SWMU 14, SWMU 16, SWMU 19, and SWMU 20 indicated that a two-foot soil cover was intact. However, historical soil borings collected during the Phase II RFI indicated that the soil cover was insufficient in portions of the following above-mentioned SWMUs: SWMU 13, SWMU 16 and SWMU 19 (See Phase II RFI, CRG 2005).

One soil core collected during the final investigation from SWMU 12B contained green turquoise plastic. During the final investigation, some plastics, high purity silicone fragments, and other material were identified in SWMU 15. In SWMU 18, various types of construction debris were observed. Field descriptions from the surface cover investigation are included in Appendix A.

5.2 Groundwater

The results of the final investigation groundwater sampling are presented in Tables 12 through 14 and are shown on Figure 14. The newly-collected groundwater data confirms that Site conditions are fully protective of the current and future intended use and the environment. Overall, the constituents detected in groundwater are mostly consistent with previous RFI phases. Chlorinated VOCs (VC, PCE, TCE) and metals (Fe, Mn) most frequently exceeded NC 2Ls. Consistent with prior findings, groundwater data does not indicate the potential for groundwater to discharge to surface water bodies above NC 2B standards. Further discussion of the site groundwater results is presented in Section 7.

5.3 Surface Water

The results of the final investigation surface water sampling are presented in Tables 17 through 19 and are shown on Figure 15. The results show that there were no exceedances of NC 2B standards (human health or aquatic life) or Ecological Screening Values (ESVs) in Little River or Lake DERA.

Iron exceeded the NC 2B standard (aquatic life) in one location (SW-8) in DERA Creek. However, no exceedances were observed in locations sampled further downstream prior to confluence with Little River. Manganese also exceeded the ESV in all locations in DERA Creek. Iron also exceeded the NC 2B standard (aquatic life) in the SWMU 14 drainage ditch (ball field sample). In the seep location (MW-26), vinyl chloride and iron exceeded the NC 2B, and manganese exceeded the ESV.

The data confirms that there is limited potential for adverse ecological effects from Site surface water. There were limited detection of VOCs and SVOCs (none at concentrations exceeding ESVs). In addition, there were only limited exceedances of ESVs for iron and manganese, which have typically limited bioavailability and background contributions. Further discussion of the surface water results is presented in Section 7.

5.4 Sediment

The results of the final investigation sediment sampling are presented in Tables 21 through 23 and are shown on Figure 15. Overall, the results indicate limited potential adverse ecological effects from Site sediment. There were no exceedances of the ESVs in Little River. The ESVs were only exceeded in a few locations:

- Lake DERA (for PAHs at only one location, SED-28)
- DERA Creek (for manganese at SED-09 and SED-10 and PAHs at SED-09)
- Seep (SED-26) for metals (iron, manganese, silver, and tin) and VOCs (1,1-dichloroethane and carbon disulfide)

In addition, there is limited potential for risk to human health. Further discussion of the sediment results is presented in Section 7.

5.5 Pore Water

The results of the final investigation pore water sampling are presented in Table 20. As shown in the table, none of the constituents were detected at concentrations exceeding ESVs. In addition, no SWMU-related constituents were detected in Lake DERA pore water, which supports the SCM that Lake DERA does not receive groundwater discharge.

5.6 Receptor Well Survey

A water supply well search within the vicinity of the DuPont property was conducted to identify potential groundwater receptors. Data from the National Well Inventory System was reviewed (<http://nwis.aterdata.usgs.gov/nc/nwis/inventory?search>), along with existing water supply well data of wells currently on the Site property. In addition, the existing WSWs located on the neighboring DSRF property were visually inspected by the sampling team in the field. Results of the data base search and well head survey identified five WSWs on the DuPont property and seven on the DSRF property to the south of the Site (except for the well at the DSRF Visitors' Center, which is located to the northwest). The site WSWs are shown on Figure 3 and the DSRF wells are shown on Figure 11.

Of the five water supply wells on the Site, only one is currently in use for providing potable (but not drinking) water. The remaining four wells are inactive and locked, but not abandoned. One of the seven water supply wells found on the DSRF property is located at the DSRF Visitors' Center. This well has an installed GAC system (see Section 2.5.1) and is the focus of a routine semi-annual groundwater sampling program. Six of the water supply wells found on the DSRF are located to the south of the Site property (not in the direction of groundwater flow) and are separated from the Site by the Little River. Of these six wells, four are currently in use for potable water. Due to their positions relative to the Site property and being separated from the Site by the Little River, none of these wells are thought to be interconnected with on-site water regimes.

6.0 CAMU SAMPLING

As described above in Section 2.5.2, a CAMU has been established at SWMU 11. Interim closure of the CAMU was completed in July 2012, and an interim CAMU groundwater monitoring program is being implemented to provide a means to monitor the surrounding groundwater from the time of the initial use of the CAMU until the final remedial decision-making for the CAMU/SWMU 11 is completed.

The Interim CAMU Groundwater Monitoring Plan (GMP; August 2010) established the groundwater monitoring program to function as a temporary safeguard for protecting human health and the environment during the implementation of the CAMU. After the CAMU goes through final closure, appropriate long-term monitoring needs for the CAMU will be evaluated and incorporated into the overall long-term strategy of the Site. This strategy will replace the interim CAMU groundwater monitoring program.

The currently-established interim CAMU groundwater monitoring program includes the semi-annual collection of groundwater samples from two monitoring wells located hydraulically upgradient of the SWMU 11 CAMU (shallow monitoring well MW-216A and top-of-bedrock monitoring well MW-216B), and from seven wells located cross-gradient and downgradient of the SWMU 11 CAMU (shallow wells MW-106A, MW-107A, R87-S8, R87-S9, and R87-S10; and top-of-bedrock wells MW-107B and MW-213). The program also includes semi-annual sampling of two surface water locations along Little River (one upgradient and one downgradient of the SWMU 11 CAMU) and the submittal of two semi-annual reports per year summarizing the results of the sampling activities.

Historical Site data is used as a baseline for comparison purposes. New data collected during the interim CAMU groundwater sampling events are compared to historical results and to applicable groundwater standards to determine whether the placement of RWM in the SWMU 11 CAMU is impacting the surrounding groundwater quality. The first semi-annual sampling event was conducted in the second half of 2012 following the interim closure of the CAMU, and semi-annual groundwater monitoring has been ongoing. The 2H14 CAMU sampling was conducted in conjunction with the final field investigation activities at the Site.

This section of the report has been prepared in lieu of a separate 2H14 CAMU groundwater monitoring report. It summarizes the results of the 2H14 semi-annual interim CAMU groundwater sampling event that was conducted in October/November 2014. The sampling activities summarized in this section were conducted in accordance with the procedures described in the Interim CAMU GMP.

6.1.1 CAMU Project Objectives

The overall objectives of the Brevard CAMU interim groundwater monitoring program (as established in the Interim CAMU GMP) are to

- Confirm RWM placed into the CAMU does not adversely impact human health and the environment and
- Ensure compliance with CAMU interim post-closure monitoring requirements.

To meet these objectives, collected data are compared to baseline conditions previously established in the GMP and to applicable NC groundwater protection standards to gauge whether the addition of RWM into the SWMU 11 CAMU is impacting the quality of the surrounding groundwater.

6.1.2 CAMU Field Activities

The 2H2014 interim CAMU field activities were conducted at the Site in October and November 2014 in accordance with the procedures described in the Interim CAMU GMP. Additional details are provided below.

Sampling Activities

The following sampling activities were conducted as part of the 2H2014 event:

- Collection of static water levels from the nine wells in the CAMU monitoring well network (in conjunction with collecting water levels from the remaining wells in the site monitoring well network);
- Collection and laboratory analysis of groundwater samples from the nine wells in the CAMU monitoring well network; and
- Collection and analysis of surface water samples from two locations along Little River in the vicinity of the SWMU 11 CAMU.

Prior to the start of groundwater sampling, static groundwater levels were measured in the nine existing wells in the CAMU monitoring well network (see Figure 16 for well locations) using a decontaminated electronic water level indicator. The recorded water levels (listed in Table 2) were used to develop an updated groundwater potentiometric surface map for the CAMU (Figure 16).

Groundwater samples were then collected from the two monitoring wells located hydraulically upgradient from SWMU 11, and from the seven cross-gradient and downgradient (relative to SWMU 11) wells.

Low-flow sampling techniques were used to purge the monitoring wells and for collection of all groundwater samples. Purging was conducted to introduce non-stagnant water to the wells from the surrounding aquifer. Low-flow groundwater sampling techniques are used to obtain the most representative groundwater sample possible and to minimize volatilization, waste generation, and potential exposure to impacted purge water. Field parameters were recorded in each well during purging until stabilization was achieved. Field parameter stabilization was defined as measurements being within a 10% range over a five-minute interval. When these field parameters became consistent relative to previous readings, the well was considered to contain a sample representative of current groundwater conditions. Final field parameter readings are included in Table 5.

Surface water samples were collected from two locations in Little River; one upgradient (SW-6) and one downgradient (SW-5) of the CAMU (Figure 10). The surface water field parameter readings are also included in Table 5.

The target analytes of this investigation were specified in the GMP. All groundwater and surface water samples were submitted to the laboratory for analysis of the following target analytes:

- Appendix I VOCs by USEPA Method SW-846 8260B
- SVOCs, 1,1 biphenyl, diphenyl ether, and 1,4-dioxane by USEPA Method SW-846 8270D
- Appendix I metals by USEPA Method SW-846 6010B/6020/7470A
- Glycols by USEPA Method SW-846 8015B

As requested by NCDENR on July 21, 2010, 2,5-dimethylfuran (library search), phenol, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, 1,2-diphenylhydrazine, dibenzofuran and polynuclear aromatic hydrocarbons (PAHs) were added to the list of SVOCs for analysis.

CAMU Groundwater Elevations

On November 3, 2014, static water level measurements were recorded from the nine on-site monitoring points (Table 2) and used to create an updated potentiometric surface map of the shallow aquifer (Figure 16) in the vicinity of the SWMU 11 CAMU. The potentiometric surface depicted in Figure 16 has a two-part flow pattern. Groundwater flows from west to east until approximately half way through the CAMU, where it shifts to a gentler gradient northeast and eventually to the north. The eastern flowing groundwater has a gradient of approximately 0.01 foot per foot, while the northeastern and northern flowing groundwater gradient is approximately 0.008 foot per foot. Groundwater flow conditions recorded during the 2H14 event are consistent with historical observations in this area of the Site.

6.2 CAMU Sampling Results

The following subsections present the results of the 2H2014 CAMU groundwater sampling event. The CAMU sampling results tables and analytical laboratory data can be found in Appendix E.

6.2.1 CAMU Groundwater Sampling Results

During the 2H2014 sampling event, upgradient and downgradient locations were sampled during the event to allow for an assessment to ensure that conditions downgradient have not been impacted by the placement of materials into the CAMU. The groundwater sampling laboratory analytical detections are summarized in Appendix E: Tables 1 and 2. Results detected in excess of screening criteria (see additional discussion in Section 6.3) are depicted on Figure 14.

The electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. The DDR is an automated internal review process used by DuPont to assist with the determination of data usability. Overall the data are acceptable for use as reported by the laboratory, with the exception of the results that were qualified with a "B" due to equipment blank contamination. The results of a targeted library search determined that 2,5-dimethyl furan was non-detect in all samples, and the results were qualified with a "UJ" (estimated). Results detected between the method detection limit and practical quantitation limit were qualified with a "J" as estimated values (indicating that the analyte is present, but the reported value may not be accurate or precise). All other QA/QC sample data indicate that the laboratory and field QC results met method-specific criteria, and the project data quality objectives were met. The DDR Narrative Report (included in Appendix E) lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

6.2.2 CAMU Surface Water Sampling Results

One upgradient and one downgradient surface water location were sampled during the event to assess whether conditions downgradient have been impacted by the placement of materials into the CAMU. The surface water analytical detections are summarized in Appendix E: Table 3.

6.3 CAMU Data Evaluation Approach

The groundwater and surface-water quality data collected at the CAMU during the 2H2014 sampling event is evaluated in this section. The purpose of the evaluation is to determine if the material added to SWMU 11 is affecting water quality in the underlying groundwater aquifer and the downgradient surface water bodies (such as the Little River).

Consistent with the GMP, data collected from upgradient monitoring wells (MW-216A and MW-216B), downgradient monitoring wells (R87-S8, R87-S9, R87-S10, MW-106A, MW-107A, MW-107B and MW-213) and Little River surface water sampling points were used for the evaluation. The data evaluation consisted of the following steps:

- Step 1: Compare the data set to applicable groundwater protection standards for each constituent;
- Step 2: Evaluate intra-well trends to determine whether an increase is attributable to facility waste management practices; and
- Step 3: Evaluate potential receptors of groundwater releases.

The findings of each of these steps are discussed in the following subsections.

6.3.1 Comparison to Groundwater Standards

In accordance with current NCDENR guidance, constituents detected in groundwater were compared to North Carolina groundwater standards established in 15A NCAC^[1] 2L .0200 (NC2L standards). Where a NC2L was not available, then the constituent was compared to the NC Interim Maximum Allowable Concentration (IMAC). Where neither a NC2L nor IMAC was available, the detected constituent was compared to the NCDENR Solid Waste Section Groundwater Protection Standards (GPS). Because shallow groundwater is not used for drinking water at the Site, the comparison to conservative health-protective screening levels for drinking water serves only as a rough guide to constituent concentrations rather than a measure of potential health risk.

During the sampling event, groundwater monitoring data were collected from two upgradient monitoring well locations and seven downgradient monitoring well locations. Figure 16 depicts their locations.

As shown in Appendix E: Table 1, 10 VOCs, six SVOCs, two Dowtherm constituents and four metals were detected in samples collected from downgradient monitoring well locations. Of the organics, one VOC (vinyl chloride) was detected above screening criteria. Consistent with historical monitoring data for SWMU 11, vinyl chloride was most frequently detected above the NC2L. Vinyl chloride concentrations during the sampling event ranged from non-detect (less than 0.010 microgram per liter [$\mu\text{g/L}$]) to 1.0 $\mu\text{g/L}$. The NC2L is 0.03 $\mu\text{g/L}$.

Dowtherm® constituents (diphenyl ether and biphenyl) were detected above NC2L or NC IMAC levels in upgradient location MW-216B but were either detected below screening criteria or were not detected downgradient of the CAMU.

No inorganic constituents were detected above screening criteria.

^[1] NCAC – North Carolina Administrative Code

Recent and historical data are tabulated in Appendix F. As shown in the appendix, the constituents and concentrations that exceeded the screening criteria during the 2H2014 sampling event were consistent with historical monitoring results.

6.3.2 Intra-Well Trend Analysis

Intra-well trend analysis was conducted on all wells sampled in the monitoring program. Baseline trend charts were provided in the GMP. These trend charts depicted historical groundwater conditions measured in each individual well to establish well-specific baseline concentrations prior to CAMU construction. Results from the 2H2014 sampling event were used to update the baseline trend charts. Updated trend charts are provided in Appendix E. As shown in the appendix, no significant upward trends from baseline concentrations were identified at the downgradient monitoring well locations. At several locations, constituents have been non-detect for more than four sampling events.

6.3.3 Evaluation of Potential Groundwater Receptors

Adjacent surface-water bodies, such as the Little River, are the only current "receptors" for shallow groundwater downgradient of the Site; therefore, the surface-water bodies are the only exposure point of potential significance associated with off-site shallow groundwater migration. An evaluation of groundwater release to surface water was performed to determine whether concentrations of constituents detected in perimeter groundwater monitoring wells at SWMU 11 are likely to result in exceedances of relevant surface-water quality criteria in the downgradient Little River. Groundwater concentrations in perimeter monitoring well locations adjacent to the river (MW-106A, MW-107A/B, MW-213, R87-S8, R87-S9 and R87-S10) were compared to 15A NCAC 2B (NC2B) standards for Class C waters with an applied conservative dilution factor of 10 to account for groundwater and surface water interaction. The surface-water quality criteria used in the evaluation were based on the lower of the NC2B values for protection of freshwater organisms (chronic) and protection of human health (fish consumption). Where NC2B or National Recommended Water Quality Criteria were unavailable, NC2Ls were used. Where NC2B standards for aquatic life were not available, results were compared to USEPA Region 4 Freshwater Ecological Surface Water Values or USEPA Region 3 Biological Technical Assistance Group Freshwater Screening Benchmark values. The use of a conservative dilution factor is consistent with current USEPA RCRA Environmental Indicator guidance and the Advanced Notice of Proposed Rule Making regarding establishing point of compliance for surface water discharges.

As shown in Appendix E: Table 2, none of the constituents exceeded the adjusted screening level. Exposure to potential human receptors (such as recreational users) and ecological (aquatic) receptors of groundwater discharging to the surface-water bodies is therefore not considered significant at this time.

To confirm the findings from the groundwater-to-surface water release evaluation, surface water monitoring data were collected from the Little River during the 2H2014 sampling event. Two surface-water samples were collected (SW-6 [upstream] and SW-5 [downstream]). Figure 10 depicts the surface water locations.

Appendix E: Table 3 compares the analytical results to applicable surface water screening criteria. The surface water quality criteria used in the comparison were obtained from the sources used in the groundwater-to-surface water release evaluation. As detailed in the table, seven metals (barium, calcium, iron, lead, magnesium, manganese and zinc) were detected in the surface water samples. Of these, calcium

and zinc were also detected in the associated laboratory or field blank. Regardless, none of the constituents were detected above screening criteria.

6.3.4 CAMU Data Evaluation Conclusions

The first semi-annual interim CAMU groundwater sampling event was conducted in the second half of 2012, and semi-annual sampling has been ongoing since then. The most recent sampling event was conducted in 2H14 in conjunction with the final field investigation activities at the Site. Analysis of the data collected during these sampling events identified no significant upward trends from baseline concentrations at downgradient monitoring well locations based on an intra-well trend analysis (as presented in Appendix E). These results indicate that the RWM that was placed into the CAMU has not affected the quality of the surrounding groundwater, and there have been no adverse impacts to human health and the environment from the use of the CAMU.

7.0 UPDATED SITE CONCEPTUAL MODEL

During the historical RFI process, DuPont has strived to incorporate information from individual SWMUs and AOCs, along with more general Site data, into a facility-wide site conceptual model (SCM). The SCM provides a means of documenting and periodically updating general facility information and data regarding potential releases to the environment (USEPA Region 6 2008). The SCM also provides a framework for problem definition, aids in the identification of data gaps that can then be addressed in the investigation, and assists in the identification of appropriate remedial technologies, if necessary.

The SCM for the Former DuPont Brevard Facility was developed and designed to assess the relative potential for the Site to impact human health and the environment and to facilitate the identification of data gaps that would aid in the assessment. The assessment is based on an integrated analysis of potential exposure pathways, hazardous substance release constituent concentrations, environmental fate and transport mechanisms, and risk to human health and the environment.

The SCM includes four primary elements:

- Identification and characterization of known and potential source areas
- Preliminary identification of COPCs
- Definition of primary transport mechanisms
- Identification of potential receptors and exposure points

Each of these elements is discussed in this section. In support of the SCM, an accurate understanding of the geology and hydrogeology at the Site must also be known. A description of the regional and Site geology and hydrogeology was previously presented in Section 2.

The SCM is dynamic and should be tested and refined from its original state as information, collected in a phased approach, is fed into it. Consequently, the SCM presented herein has been updated and refined from that previously presented in the *Final Remedial Investigation Work Plan* to reflect data collection activities conducted at the Site during the 2014 Site investigation.

7.1 Identification and Characterization of Source Areas

SWMUs and AOCs present on the Site are divided up into five groups of potential contaminant sources areas on the Site: Site landfills (permitted/non), former manufacturing areas, wastewater treatment area, disposal pits and process sewers. Identified source areas are known as the probable origin of historical or current releases of a specified contaminant. Six areas were identified within the manufacturing areas of the Site through interviews with existing plant personnel that have had the potential to release process related materials and/or wastes into the environment (referred to as Former Manufacturing Areas). The potential for release from certain areas has been significantly reduced with the completion of the D&R effort (i.e., wastewater treatment, process sewers, and former manufacturing area removal).

Physical descriptions, dates of operation, and descriptions of the waste managed at each of the SWMUs and AOCs identified at the Former DuPont Brevard Facility are detailed in the *Final Remedial Investigation Work Plan*.

Potential source areas were investigated during the historical RFI. During these investigations, the majority of SWMU/AOC boundaries have been defined and their wastes characterized. As concluded in the RFI Reports (DuPont CRG, 2003, 2004 and 2008 and Parsons, 2009), confirmed releases to soil were identified at the following SWMUs and AOCs:

- AFB Settling Basin (SWMU 7)
- Former Silver Recovery Drying Bed (SWMU 9)
- Former Disposal Area – Tennis Courts (SWMU 13)
- Former Silicon Disposal Area (SWMU 15)
- Former Disposal Area 6 – Equipment Sludge Disposal (SWMU 16)
- Former Power Hill Disposal Area (SWMU 17)
- Former Disposal Area 8 – Evaporation Basin (SWMU 18)
- Fuel Oil Tank Farm (AOC A)
- Former Dowtherm® Vaporizer area (AOC J)
- Former Power House Gravel Area (AOC I)

Constituent concentrations in soil and groundwater were used to determine whether a unit was a potential source to groundwater. Potential releases to groundwater were confirmed in the vicinity of SWMUs 4, 11, 12, 13, 14, 15, 16, and 17 and the former manufacturing area⁵. SWMU and AOC locations are detailed in Figure 2.

7.2 Identification of COPCs

Analytical data collected during the historical RFI sampling events and the 2014 Site investigation were compiled for each media (soil, groundwater, surface water and sediment) and compared to generic NC DENR screening criteria described in Section 4. A comparison to generic NC DENR screening criteria has been conducted in this Section to confirm prior COPC identification for soil and groundwater and in the case of surface water and sediment to identify relevant COPCs for human health and constituents of potential ecological concern (COPECs) for ecological receptors.

A discussion of this comparison is provided in the following subsections. Exceedances of screening levels indicated in the subsections below do not in themselves indicate a confirmed release from a unit or that an unacceptable exposure exists. Rather, the screening levels serve to indicate potential for some degree of exposure to occur.

7.2.1 Soil COPCs – Direct Contact Pathways

In the *Site-Specific Remedial Levels Report* (URS, 2014), COPCs for human health direct contact exposure pathways were identified based on a comparison to IHSB PSRGs for Residential Land Use (January 2014 version). The data set evaluated included surface soil (from intervals between 0 and 2 ft bgs)⁶ and subsurface soil samples (from discrete intervals between 2 and 15 ft bgs) collected from 88 soil boring locations during the ESA and RFI.

⁵ The former manufacturing area includes SWMUs 3C and 3D and AOCs H, I, J and K

⁶ Soil or waste samples with start depths less than two feet (i.e., collected from 1 to 5 ft bgs) were conservatively included in the surface soil data set.

For this report, surface soil and subsurface soil was again compared to the IHSB PSRGs to confirm the prior COPC identification. This comparison is presented in referenced herein and discussed below.

Surface Soil

Site data evaluated included surface soil samples (from discrete intervals between 0 and 2 ft bgs) collected from 41 soil boring locations during the 1995 ESA and historical RFI activities; 50 soil discrete boring locations (collected from 0.5 to 1.5 ft bgs) and 10 ISM decision units during the 2014 Site investigation. ISM locations are shown in Figure 7. Discrete soil boring locations are detailed in Figure 8. Soil samples were analyzed for VOCs, SVOCs, PCBs, metals, Dowtherm constituents and glycols, depending on the location and sampling event. Tables 6 through 9 compares the detected constituents in discrete historical and 2014 locations, respectively, to PSRGs for residential soil (unrestricted use) and non-residential soil (industrial/commercial) and site-specific background concentrations (for inorganics). Constituents without a PSRG (such as phenanthrene) were compared to the PSRG from a structurally similar compound. Exceedances of the generic PSRGs at each applicable SWMU and/or AOC are indicated below. Exceedance locations are detailed in Figures 12 and 13.

SVOCs	
Analyte	Unit
3-Methylcholanthrene	SWMUs 15 and 16, FMA
7,12-Dimethylbenz[A]Anthracene	AOC A, FMA
Benzo(A)Anthracene	SWMUs 13, 15, 16 and 18, AOC A, FMA
Benzo(B)Fluoranthene	SWMUs 13, 15 and 16, AOC A, FMA
Benzo(K)Fluoranthene	SWMUs 15 and 16, AOC A, FMA
Benzo[A]Pyrene	SWMUs 13, 15, 16 and 18, AOC A, FMA
Chrysene	SWMU 16, FMA
Dibenz(A,H)Anthracene	SWMUs 13, 15 and 16, AOC A, FMA
Indeno (1,2,3-CD) Pyrene	SWMUs 13, 15 and 16, AOC A, FMA
Naphthalene	SWMU 16, FMA

Dowtherm		PCBs	
Analyte	Unit	Analyte	Unit
<i>Biphenyl</i>	<i>FMA</i>	<i>PCB 1242</i>	<i>FMA</i>

FMA: SWMUs 3C, 3D; AOCs H, I, J and K

Also above industrial

Inorganics	
Analyte	Unit
Antimony	FMA
<i>Arsenic</i>	<i>SWMU 13; FMA</i>
Cobalt	AOC A
Silver	SWMUs 9 and 18, AOCs C and G, FMA
Thallium	SWMUs 9, 13, 15, 16 and 19, AOCs A and G, FMA
Vanadium	SWMU 16 and FMA

FMA: SWMUs 3C, 3D; AOCs H, I, J and K

Also above industrial

PSRG exceedances were most frequently observed in the former manufacturing area. In this area, benzo(a)pyrene (BaP) most frequently exceeded the screening criteria. In the 2014 Site investigation, BaP concentrations ranged between 0.005 mg/kg and 20.9 mg/kg. The highest concentration of BaP (20.9 mg/kg) in surface soil was observed in boring location ISM DU 6.

Subsurface Soil

Site data evaluated included subsurface soil and waste samples (from discrete intervals between 1 and 15 ft bgs) collected from 47 boring locations during the 1995 ESA and historical RFI activities. Soil samples were analyzed for VOCs, SVOCs, metals, Dowtherm constituents and glycols, depending on the location and sampling event. Table 9 compares the detected constituents in the sample locations to PSRGs for residential soil (unrestricted use), PSRGs for non-residential soil (industrial/commercial) and site-specific background concentrations (for inorganics). Constituents without a PSRG (such as phenanthrene) were compared to the PSRG from a structurally similar compound. Exceedances of the generic PSRGs at each applicable SWMU and/or AOC are indicated below.

VOCs	
Analyte	Unit
1,1,2,2-Tetrachloroethane	SWMUs 13, 16 and 17
1,1,2-Trichloroethane	SWMU 16
1,2-Dichloroethane	SWMU 16
Benzene	SWMUs 13 and 16
cis-1,2 Dichloroethene	SWMU 17
Ethylbenzene	SWMU 16
Tetrachloroethene (PCE)	SWMUs 13, 16 and 17
Trichloroethene (TCE)	SWMUs 13, 16 and 17

SVOCs	
Analyte	Unit
1-Methylnaphthalene	SWMU 16
1,2-Diphenylhydrazine	SWMU 13
2-Methylnaphthalene	SWMU 16
Benzo(A)Anthracene	SWMUs 16 and 18
Benzo(B)Fluoranthene	SWMUs 16 and 18
Benzo[A]Pyrene	SWMUs 15, 16 and 18
Dibenzofuran	SWMU 16
Naphthalene	SWMU 16

Dowtherm	
Analyte	Unit
Biphenyl	SWMUs 16, 17 and 18
Diphenyl Ether	SWMUs 16 and 17

Inorganics	
Analyte	Unit
Antimony	SWMUs 16 and 18
Arsenic	SWMUs 7, 15, 16 and 18
Nickel	SWMU 16
Silver	SWMUs 16 and 18
Thallium	SWMU 18
Vanadium	SWMU 16
Zinc	SWMU 18

Also above industrial

PSRG exceedances were most frequently observed in SWMU 16. At this SWMU, the highest concentrations of constituents were observed in waste samples collected at depth intervals between 3 and 8 ft bgs. As shown in Table 9, exceedances were not observed in underlying subsurface soil samples collected at the SWMU.

7.2.2 Soil COPCs – Migration to Groundwater Pathways

Constituents detected in surface and subsurface soil were compared to PSRGs for protection of groundwater. In addition, constituent concentrations in soil and groundwater were used to determine whether a unit was a potential contamination source to groundwater. A comparison to the generic screening criteria is provided in Tables 8, 9 and 10. A summary of the COPCs is provided in Table 11 and is detailed below:

VOCs

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,2-Dichloroethane
- Benzene
- cis-1,2 Dichloroethene
- Tetrachloroethene
- Trichloroethene
- Vinyl Chloride

Dowtherm®

- Biphenyl
- Diphenyl Ether

Exceedances in soil were observed in less than 10% of the RFI soil samples collected. Most exceedances in waste samples were observed at SWMUs 13 and 16.

7.2.3 Groundwater COPCs

The groundwater data set evaluated for the SCM includes groundwater collected during the most recent site-wide monitoring events conducted between April 2014 and February 2015. During these monitoring events, groundwater samples were collected from the following locations:

- 50 surficial aquifer (residuum) monitoring wells
- 6 bedrock monitoring wells
- 6 water supply wells (WSW) including the WSW located at the NCDSRF Visitor Center

Groundwater samples were analyzed for TCL VOCs, SVOCs and metals, Dowtherm® constituents, and glycols, depending on the location. Monitoring well and water supply well locations are shown in Figure 3. As detailed in Section 4, groundwater results were compared to NC2Ls or IMACs (Tables 12 through 14) to confirm prior COPC identification. Exceedances of NC 2Ls or IMACs are detailed below. Exceedance locations are detailed in Figure 14.

A summary of groundwater monitoring results which includes historical RFI and CAMU groundwater monitoring data collected since 2003 is provided in Appendix F.

Surficial Aquifer**VOCs**

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- Carbon tetrachloride
- Cis-1,2-dichloroethene
- PCE
- TCE
- Vinyl chloride

SVOCs

- 1,4-Dioxane

Dowtherm®

- 1,1'-Biphenyl
- Diphenyl ether

Inorganics

- Cobalt (total)
- Iron (total)
- Manganese (total)
- Thallium (total)
- Ammonia (total)

Consistent with historical monitoring events, of the organics detected, vinyl chloride was the most frequent. Concentrations of vinyl chloride ranged from between 0.012 ug/L to 120 ug/L, with the highest observed concentration detected at monitoring well location MW-222A located near SWMU 13 (see Table 12). The NC2L groundwater quality standard for vinyl chloride is 0.03 ug/L.

Of the inorganics detected, iron and manganese most frequently exceeded their respective NC2L groundwater quality standards. The highest observed concentration of iron (55,600 ug/L) was detected at monitoring well location MW-214 located near SWMU 11. The highest concentration of manganese (8,240 ug/L) was detected at monitoring well MW-211B located near SWMU 4. Iron and manganese were also detected above NC2Ls in upgradient location MW-305. The NC2L is 300 ug/L and 50 ug/L for iron and manganese, respectively.

With the exception of 1,1-Dichloroethene and thallium, the COPCs identified above were consistent with prior monitoring events. Neither constituent was detected above NC2Ls or NC IMACs in downgradient monitoring wells (MW104A/B, MW105, MW106A/B, MW107A/B, MW108, MW111A/B, MW112A/B, MW207A/B, MW210A/B, MW213, MW214, MW215, MW301A/B, MW302A/B, R87-S8, R87-S9 and R87-S10).

Bedrock Aquifer**VOCs**

- PCE
- TCE
- Vinyl chloride

SVOCs

- 1,4-Dioxane
- Dibenz(a,h)anthracene

Dowtherm®

- Diphenyl ether

Inorganics

- Chromium (total)
- Iron (total)
- Manganese (total)
- Vanadium (total)

Organic constituents detected above screening levels were primarily observed in bedrock monitoring well locations (BR-3, BR-5 and BR-9) downgradient of potential source areas (SWMUs 15 and 17). Similar to the surficial aquifer, iron and manganese most frequently exceeded screening criteria for the inorganics (see Table 13).

Site Water Supply Wells

VOCs

- TCE

Inorganics

- Iron (total)
- Manganese (total)
- Vanadium (total)

As shown in Table 14, TCE was detected above the NC2L at the WSW located at the NCDSRF Visitor Center property. SWMU 17 has been identified as a potential source of the low level of detected constituents in the NCDSRF WSW.

In January of 2009, DuPont in concert with the NC Forest Service, completed installation of a GAC water treatment system. Quarterly monitoring of the system has been conducted since third quarter 2009. Pre-treatment and post-treatment samples are collected during the monitoring events to verify treatment system effectiveness. To date, the results of the quarterly monitoring program indicate that the GAC system remains effective (DuPont CRG, 2012).

Inorganic exceedances were noted in three locations (WSW-CMPGND, WSW-GUARD and WSW-WWT), none of which are currently in use.

7.2.4 Indoor Air COPCs

Low levels of VOCs have been detected in shallow groundwater in monitoring well locations across the Site. Under current conditions, vapor intrusion pathways are incomplete. No occupied structures are located near volatile constituents in the subsurface (URS, 2014). However, new buildings may be constructed under future land use conditions. As a result, maximum groundwater detections were compared to NC DWM vapor intrusion screening levels (see Table 15). The following constituents were detected above groundwater screening levels (GWSLs):

- PCE
- TCE
- Vinyl chloride

Trichlorofluoromethane was also detected above residential GWSLs but less than non-residential GWSLs. COPC exceedances were observed in monitoring wells downgradient of SWMUs 4, 13, 15, 16 and 17.

As noted in Section 7.2.3, VOCs were detected in samples collected from NCDSRF Visitor Center WSW with one exceedance of the NC2L standard for TCE. As a result, a conservative evaluation of the potential for vapor intrusion to indoor air from groundwater pathways was performed in the *Interim Phase III RFI Report* submitted on February 29, 2008. As stated in the *Interim Phase III RFI Report*, concentrations of TCE detected in the off-site water supply well (4.9 to 9.1 ug/L) did not exceed calculated indoor air

screening levels (9.2 ug/L) protective of potential receptors (i.e., visitor center worker). Therefore, indoor air was excluded as a media of concern at the NCDSRF Visitor Center. Results of the model were provided in Appendix D of the *Interim Phase III Report*. However, NCDENR, in discussions with DuPont in May 2008, requested the collection of additional data to confirm these findings. Consequently, on September 24, 2008, DuPont collected near-slab soil gas samples along each side of the proposed NCDSRF Visitor Center building. All results from the soil gas samples were found to be non-detect at reporting limits below VISLs for commercial/industrial land use (see Table 16). Consequently, the findings of the soil gas sampling confirm the vapor intrusion modeling conducted for the NCDSRF Visitor Center. As a result, it is concluded that the low levels of TCE detected in nearby groundwater do not pose potential vapor intrusion concern to visitors or workers of the NCDSRF Visitor Center. Therefore, indoor air at the current NCDSRF Visitor Center is not considered a medium of concern.

7.2.5 Surface Water COPCs

Site data evaluated for the SCM included 19 surface-water samples collected during the most recent 2014 Site investigation. Surface water sample locations are detailed in Figure 10. Four of the samples were collected from Little River (SW4, SW-5, SW-6 and SW-7), one sample was collected from the drainage ditch along the northern and eastern boundary of SWMU 14 (SW-BALLFIELD), 10 are associated with Lake DERA (SW-14, SW-27 – SW-35), three samples are along the tributary connecting Lake DERA to the Little River (SW-8, SW-9, and SW-10) and one (SW-26) collected from a seep located downgradient (east) of the former wastewater treatment plant. The surface-water samples were analyzed for VOCs, metals (total and dissolved), Dowtherm constituents, glycols and hardness.

A summary of surface water monitoring results which includes historical RFI and CAMU surface water monitoring data collected since 2003 is provided in Appendix F.

Protection of Human Health

A comparison of constituents detected in surface water to NC 2B standards is provided in Table 17. As shown in the table, NC 2B standards (human health) were not exceeded in Little River, Lake DERA, DERA Creek or SWMU 14 drainage ditch. However, vinyl chloride was detected above NC 2B standards in the seep sample (SW-26). The seep does not provide any recreational value.

Protection of Ecological Receptors

As indicated in Section 4, constituents detected in surface water were compared to NC2B Standards for protection of freshwater organisms. Where NC2B standards were not available, additional sources were used including the National Recommended Water Quality Criteria for the protection of aquatic life (NWQC; USEPA 2014). Table 18 provides the selected surface water ESVs and their sources.

A comparison of constituents detected in surface water to NC 2B standards and other ESVs is provided in Table 19. As shown in the table, one inorganic (iron) was detected above NC 2B standards for aquatic life in one location (SW-8) in DERA Creek. However, no exceedances were observed in locations sampled further downstream prior to confluence with Little River (see Figure 15).

In other samples collected, iron was also detected above NC 2B standards for aquatic life in the SWMU 14 drainage ditch (SW-BALLFIELD) and in the seep sample (SW-26).

An additional inorganic (manganese) was detected above the surface water ESV in the SWMU 14 drainage ditch, the seep sample and three locations in the DERA Creek tributary (SW-08, SW-09 and SW-10). No exceedances were observed in Little River or Lake DERA.

Additional evaluation of iron and manganese in surface water is presented in Section 7.7.

Pore water samples were also collected during the 2014 Site investigation from 11 locations to increase understanding of the connection between Site groundwater and Site surface water features. Constituents detected in pore water were compared to NC 2B standards for protection of aquatic life and ESVs consistent with the surface water evaluation. As shown in Table 20, no constituents were detected above 2B standards or other ESVs.

One constituent, ethyl chloride, did not have available screening criteria. This constituent, which is a degradation product of vinyl chloride, was detected in one location (PW-05) at an estimated concentration of 0.1 J ug/L. Based on this limited detection, ethyl chloride is not likely to cause population-level adverse effects on aquatic organisms. As a result, pore water was not retained as a medium of concern.

7.2.6 Sediment COPCs

During the 2014 Site investigation, paired sediment samples were collected from 18 of the 19 surface water sample locations. Sediment sample locations are detailed in Figure 10. Samples were analyzed for Appendix IX VOCs, SVOCs and metals, glycols, acid volatile sulfides and grain size.

Protection of Human Health

A comparison of constituents detected in sediment to generic PSRGs for residential soil is provided in Table 21. As shown in Table 21, the following constituents were detected above the screening criteria:

SVOCs

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Dibenz(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

Inorganics

- Arsenic
- Iron
- Manganese
- Thallium

Exceedances in the Little River were limited to one location (SED-05). At that location, benzo(a)pyrene was detected at an estimated concentration of 0.016 J mg/kg. (The

generic PSRG is 0.015 mg/kg). No other constituents were detected above screening criteria at that location.

Likewise, exceedances near the Lake DERA swimming area were limited. At one location (SED-14), benzo(a)pyrene was detected at an estimated concentration of 0.018 J mg/kg. Arsenic was detected at an estimated concentration of 0.782 J mg/kg. (The generic PSRG is 0.61 mg/kg). At a different location (SED-31), iron was detected at a concentration of 11,600 mg/kg. (The generic PSRG is 11,000 mg/kg). No other exceedances were observed in the swimming area samples (see Figure 15).

Exceedances were also observed in samples collected across the lake away from the swimming area (SED-28, SED-29, SED-30, SED-33 and SED-34), in sediment samples collected in DERA Creek (SED-09, SED-10) and in the seep (SED-26). To further evaluate the generic PSRG exceedances at these locations and the other aforementioned locations, site-specific recreational screening levels were calculated. As future use of Lake DERA will be allowed as part of special use permits by the NC Department of Agriculture and NC National Guard (NCNG), the SLs were derived using similar exposure assumptions as was used for Trail Users in the RL derivation (i.e., an exposure frequency of 108 days per year). Site-specific recreational screening levels are provided in Appendix G.

A comparison to the site-specific recreational screening levels is provided in Table 21. As shown in the table, COPC concentrations in Little River location SED-05 or Lake DERA swimming area locations SED-14 and SED-31 were less than the lowest calculated screening level.

COPC concentrations at the other locations were also less than the lowest calculated screening level or within the range of screening levels. A comparison to the screening levels is considered conservative for these other locations since direct contact by potential future receptors is unlikely to occur. Access to sediment away from the swimming area or within the center of the lake would either not occur or not occur as frequently as assumed in the screening level derivation. Furthermore, DERA Creek and the seep do not provide any recreational value, including fishing.

Protection of Ecological Receptors

As indicated in Section 4, constituents detected in sediment were compared to USEPA Region 4 ecological sediment benchmarks, where available (USEPA, 2001b). When a USEPA Region 4 sediment ESV was not available for a constituent, various sources were used, including the following, to identify a sediment ESV:

- USEPA Region 5 Ecological Screening Benchmarks (USEPA, 2003a)
- USEPA Region 3 BTAG Sediment Screening Benchmarks (USEPA, 2006)
- Canadian Interim Sediment Quality Guidelines (ISQG) and Probable Effects Level (PEL) as developed by the Canadian Council of Ministers of the Environment (CCME, 2013)
- Risk Assessment Information System (RAIS; <http://rais.ornl.gov/>)

Table 22 provides sediment ESVs used in the sediment evaluation and their sources.

A comparison of constituents detected in sediment to these ESVs is provided in Table 23. As shown in the table, the following constituents were detected above the screening criteria:

VOCs

- 1,1-Dichloroethane
- Acetone
- Carbon disulfide

SVOCs

- Anthracene
- Benzo(a)anthracene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Phenanthrene
- Pyrene

Inorganics

- Iron
- Lead
- Manganese
- Selenium
- Silver

Of the VOCs, only acetone was detected above ESVs in more than one location. PAHs exceeded ESVs in two locations: one in Lake DERA (SED-28) and one in DERA Creek tributary (SED-09). Of the inorganics, only manganese was detected above ESVs in more than one location. Manganese exceedances were observed in the seep (SED-26) and in DERA Creek (SED-09 and SED-10). Exceedance locations are shown in Figure 15.

Further evaluation of these COPECs is presented in Section 7.7.

7.3 Definition of Primary Transport Mechanisms

Based on the chemical and physical properties of the COPCs identified above and the known physical, topographic, meteorological, and hydrologic conditions at the Site, potential migration pathways include the following:

- Surface runoff during rain events into drainage ditches and storm sewers (historically before site dismantlement).

- Airborne transport of particulates generated by wind erosion of Site surface soils and physical disturbance of Site surface and subsurface soils in SWMUs or AOCs to downwind locations.
- Leaching of constituents in Site soils (surface and subsurface) to shallow groundwater.
- Vapor intrusion of volatile constituents in the subsurface (soil and groundwater) to the indoor air of overlying occupied structures. However, as discussed in Section X.2.4 of this report, vapor intrusion is not expected to be a concern under current conditions.
- Migration of dissolved constituents in shallow groundwater beneath the Site vertically to the deeper bedrock aquifer and horizontally to downgradient locations, including the Little River.

Based on the hydrogeologic SCM developed for the Site, the surficial aquifer is in communication with the Little River. The Little River flows from the south to north across the Site and may receive discharge for the overburden/over-bank portion of the surficial aquifer. Groundwater flow within the bedrock aquifer is also to the east/southeast towards the Little River. However, direct communication between the bedrock aquifer and the river is limited to the extent of the river between High Falls and Hooker Falls where the residuum thins and bedrock outcrops have been observed. The bedrock aquifer does not appear to be in direct communication with the extent of the river between Bridal Veil Falls to High Falls [see Figures 12- 20 and Appendix A in the Phase III RFI Report (Parsons, 2009)]. As discussed in Section 7.3, no COPECs were identified in porewater samples collected from Little River. Likewise, NC 2B standards were not exceeded in Little River surface water.

7.4 Identification of Potential Receptors and Exposure Points

An exposure pathway consists of the following:

- Source of constituents
- Mechanism of constituent release to the environment
- Transport or exposure medium containing the constituents
- Exposure point where human or ecological receptors can contact the exposure medium
- Exposure route (e.g., inhalation, ingestion, or dermal contact)

All of these elements must be present for an exposure to occur. Figure 17 depicts exposure pathways by which human or ecological receptors may be exposed to constituents in environmental media under current land-use and water-use conditions. The purpose of this figure is to identify chemical sources and exposure pathways that can result in human or ecological exposure; to aid in identifying data needs to address significant chemical release and migration pathways for quantifying potential health risk; and, to aid in identifying effective remedial alternatives that are targeted at significant contaminant sources and exposure pathways.

The model in Figure 17 shows both potentially complete and incomplete pathways. Potentially complete and incomplete pathways for each of the potential receptors defined below are discussed in the following sections.

7.4.1 Potential Receptors

Potential receptors are defined as human individuals or populations and environmental systems that are potentially exposed to constituents associated with the Site. The Site is no longer used for manufacturing operations and physical assets have been dismantled and removed. Currently, wooded areas and surface-water bodies adjacent to the Site are popular recreational locations for the surrounding community.

Surface water bodies at and adjacent to the Site⁷ include Little River, Lake DERA and DERA Creek. The Little River is classified by NCDENR as Class C fresh surface water (aquatic propagation and survival, fishing, wildlife, secondary recreation, and agricultural use). In addition, the Little River has a supplemental classification of Class TR (Trout Waters - intended to protect freshwaters for natural trout propagation and survival of stocked trout).

Lake DERA, also known as Lake DuPont, is an approximate 19-acre lake located in the northwest of the former manufacturing area. The lake features a silty bottom, with limited amounts of submerged aquatic vegetation (SAV) along its shallower reaches. An assessment of Lake DERA was conducted by the North Carolina Wildlife Resources Commission on August 10, 2010. The assessment consisted of a snorkel survey and use of a YSI® Pro20 to develop a temperature and dissolved oxygen profile of the lake. The snorkel survey revealed that the northern portion of the lake is shallow and contains some emergent vegetation which serves as habitat for young-of-the-year and adult littoral fish species. Overall, fish density and diversity were low; three fish species were observed: largemouth bass (*Micropterus salmoides*), bluegill (*Lepomis macrochirus*), and redbreast sunfish (*Lepomis auritus*). YSI® measurements confirmed that the relatively shallow Lake is fully mixed by wind and has adequate dissolved oxygen levels throughout the water column. Consequently, the ecological quality of Lake DERA is considered moderate due to limited aquatic vegetation and a low diversity of aquatic life (URS, 2011).

DERA Creek flows from west to east (Lake DERA to Little River) through the Site, and has year-round flow. During an ecological assessment of the Site conducted in 2011, bluegill and bass were observed in the outfall pool, just east of the Lake DERA dam; however, sediments in this area were notably marked by iron flocculant (URS, 2011). Swamp Forest-Bog and Acidic Cove Forest were found to occur along the creek, limiting access. In addition, the creek is too shallow for swimming, canoeing or rafting.

Planned future use of the Site include military training and recreational uses consistent with land use plans identified by the NC Department of Agriculture and NCNG and DuPont State Recreational Forest staff (DSRF). Specifically,

- NCNG Military Training with lodging and administration facilities
- Forest Ranger Office
- Parking for surrounding DuPont State Recreational Forest
- Managed recreation center at Lake DERA for Wounded Warrior REHAB, including primitive camping, water recreation and designated fishing areas
- Multi-Use Trail in Nature Preserve Primary Area

⁷ If the Site is transferred to the State of North Carolina, then the Little River and NCDSRF Visitor Center would be within the Site boundary

Therefore, the following potential receptors were identified, given the Site setting and land uses at and adjacent to the Site:

- **Current/Future Recreational User of Little River**
Little River between Bridal Veil Falls and High Falls may be used for swimming, wading or fishing.
- **Current/Future NCDSRF Visitor Center Worker**
Water drawn from deeper wells screened in the bedrock aquifer is currently used for potable purposes at the NCDSRF Visitor Center. Therefore, workers at the NCDSRF Visitor Center were considered potential receptors.
- **Future North Carolina National Guard (Military Exercises and Training)**
The NCNG has identified the larger parking lot located near the former manufacturing area for training. The motorcycle and driving course would be designed using the parking lot and the looping roads around the plant Site. The lot would also be used to stage significant events, such as large training exercises, staging of equipment and helibase functions. Temporary housing (Quonset huts), latrines and administration buildings are also proposed.
- **Future DuPont State Recreational Forest Worker (Ranger Office/ Lake DERA Recreation Area Worker)**
The DSRF staff has proposed a new Ranger Office, near the current entrance to the Site off Staton Road. A worker may also be hired to assume daily operations of managed recreation at Lake DERA.
- **Future On-Site Utility/Excavation Worker**
Future on-site utility/excavation workers are assumed to repair or install sanitary sewer, electrical, water, or other utility lines at the Site. For this receptor, it was conservatively assumed that exposure would occur each year during different repair or maintenance events.
- **Future DuPont State Recreational Forest User (Adult/Child Trail User)**
A variety of trails will be accessible to DSRF users. A multi-use trail (hiking, biking and horseback riding) is proposed in the Nature Preserve Primary Area. SWMUs and AOCs are not located in this area. Recreational users of the NCDSRF Visitor Center facilities (restrooms) were also considered potential receptors.
- **Future Recreational User of Lake DERA**
Proposed Lake DERA activities are proposed to be permitted use only (i.e., not open to the public). The existing campground and swimming area are proposed to be used for supervised swimming, camping and fishing as part of the Wounded Warrior REHAB site. SWMUs and AOCs are not located near this area.

Following re-development, unrestricted use of the Site will occur. Therefore, trespassers were not considered potential receptors. In addition, NCNG and DSRF staff will be present on Site to coordinate NCNG's activities and security needs with permitted Site uses.

Residential users of shallow groundwater have not been identified downgradient of the Site. Furthermore, the downgradient Little River is not used for water supply purposes. A water well survey completed during the final investigation, confirmed that downgradient users of deep groundwater in the immediate vicinity of the Site (within 0.25 miles of the

Site border) are limited to the NCDSRF Visitor Center (which has a water treatment unit installed). The drinking water source for municipal groundwater in the surrounding area is Cathey's Creek, Bradley Creek or the North Fork of the Mills River, each of which is over 5 miles from the Site. Therefore, off-site residents and off-site workers (outside of the DSRF) were not considered potential receptors.

As noted above, an ecological assessment was completed for the Site in 2011. The purpose of this effort was to identify, evaluate, and document the presence of unique features and/or significant ecological resources (URS, 2011). The assessment concluded that, aside from the former plant area, the overall Site resources when considered collectively are considered to represent a significant natural area that encompasses approximately 316 acres and supports an important complex of high quality environments and a broad diversity of species. As identified by the NC Natural Heritage Program, there are rare and unique resources present at the Site that are valuable as linkages with similar communities in the adjacent DuPont State Forest (i.e., Acidic Forest Cove) or represent unique patches of regionally and nationally rare habitats (e.g., Low Elevation Granitic Domes). These resources provide a suite of both common and unique habitats for both resident and migrant wildlife, including documented threatened and endangered species. Notable species identified at the Site include swamp pink (*Helonias bullata*), French Broad heartleaf (*Hexastylis rhombiformis*), green salamander (*Aneides aeneus*), and Timber Rattlesnake (*Crotalus horridus*). Significant ecological communities are detailed in Figure 18.

7.5 Potentially Complete Human Health Exposure Pathways

The model in Figure 17 shows both potentially complete and incomplete pathways. A description of each of the potentially complete exposure pathways is provided below by exposure medium. Incomplete exposure pathways are discussed in Section 7.6.

7.5.1 Surface Soil

Receptors potentially exposed to COPCs in surface soil (defined as 0 to 2 feet bgs) include future NCNG personnel during military exercises and training, future DSRF workers, future utility/excavation workers and future trail users. Potentially complete exposure pathways for each of these receptors may include:

- incidental ingestion of and dermal contact with surface soil; and,
- inhalation of soil-derived particulates.

The potential for exposure is low for most receptors because the principal areas of surface-soil impact within the former manufacturing area (where most activities by the NCNG are expected to occur) are covered by some of sort of hard surface cover (gravel, concrete, or asphalt). Other COPC exceedance locations (such as SWMUs 13 and 16) are away from proposed future land re-use areas. The receptor with the greatest potential for exposure is the utility/excavation worker, where a greater likelihood of direct contact with impacted soil is associated with intrusive activities.

7.5.2 Subsurface Soil

COPCs were identified in subsurface soil (defined for direct contact as depths between 2 and 15 ft bgs) at SWMUs 7, 13, 15, 16, 17 and 18. With some exception, a two-foot soil cover was confirmed at each of these areas. Because exposure to subsurface soil is only achieved during excavation and construction activities and access to subsurface

soil in these areas will be restricted, the only potential receptor is the future utility/excavation worker. Potentially complete exposure pathways for this receptor may include:

- incidental ingestion of and dermal contact with subsurface soil; and,
- inhalation of subsurface soil-derived particulates.

7.6 Incomplete Human Health Exposure Pathways

The following section provides the rationale for identifying potential exposure pathways as incomplete. Mitigating factors were used in the evaluation of the completeness of an exposure pathway for this human health SCM. The evaluation of mitigating factors uses logical and scientifically defensible reasoning based on a broader, more site-specific understanding of the SCM to predict more accurately the potential effects of evaluated releases.

Mitigating factors may include caps and covers that minimize the potential for direct contact, groundwater-use restrictions, or institutional controls established to minimize exposure to potential future receptors.

7.6.1 Subsurface Soil

COPCs in subsurface soil would only be accessible during intrusive activities. Since future DSRF workers, future NCNG users, and future trail users would not conduct intrusive activities, direct contact (ingestion or dermal contact) with subsurface soil is not anticipated for these receptors and is incomplete. Furthermore, subsurface soil restrictions will be established upon transfer of the Site from DuPont to NCDA&CS. A Soil Use/Excavation Management Plan will be put in place and be followed to ensure compliance with these restrictions. Restrictions will include the prohibition of any intrusive activity at certain SWMUs and AOCs (“Do Not Dig” areas). Other designated SWMUs and AOCs (“Restricted Areas”) will require pre-use testing to determine what type of health and safety measures (such as personal protection equipment), if any, are required.

7.6.2 Groundwater

Surficial Aquifer

COPCs were identified in surficial aquifer monitoring wells. Under current conditions, groundwater from the surficial aquifer is not used on-site for drinking water purposes and future use will be prohibited as part of a Groundwater Use and Restrictions Plan. However, shallow groundwater may discharge to the Little River. A portion of shallow groundwater may also discharge to DERA Creek. Since DERA Creek flows into Little River, Little River is considered the ultimate receptor of Site shallow groundwater discharge. The Little River is not used for water supply purposes.

Groundwater in the surficial aquifer is not currently used on or in the immediate vicinity of the Site as drinking water. Deed restrictions would prohibit its use on-site as drinking water in the future.

Therefore, in these instances, direct contact (ingestion or dermal contact) with groundwater for on- and off-site receptors is incomplete under current and future land use conditions.

Bedrock Aquifer

Groundwater in the bedrock aquifer is currently used on-site for sanitary purposes and off-site at the NCDSRF Visitor Center for potable and sanitary uses. COPCs were not identified in the on-site water supply well (WSW-VISIT) currently used and an interim remedial measure (IRM) has been completed at the NCDSRF Visitor Center. Therefore, direct contact (ingestion or dermal contact) with deep groundwater for on- and off-site receptors is incomplete under current land use conditions.

Potable sources of drinking water may be available for future users from existing water supply wells (WWW-VISIT and WWW-YMCA). DuPont will work closely with NCNG and DSRF staff to identify where potable use of deep groundwater as drinking water is acceptable.

7.6.3 Indoor Air

Under current conditions, vapor intrusion pathways are incomplete. No occupied structures are located near volatile constituents in the subsurface. DuPont will work closely with the NCNG and DSRF to identify areas of the Site where re-development (placement of structures) will be restricted or where engineering controls would be required for any new construction.

7.6.4 Surface Water

One COPC was identified in an intermittent seep (SW-26) located near the former wastewater treatment plant. This area does not support any recreational activities. As a result, surface water exposure pathways for potential receptors are considered incomplete in this area.

The potential exposure pathways related to food would be indirect exposure from fish or aquatic organisms in surface water. Since no exceedances of surface water or pore water screening criteria were observed in Little River or Lake DERA surface water samples, exposure pathways associated with food are considered insignificant.

7.6.5 Sediment

As discussed in Section 7.2.6, COPCs were not detected in sediment above site-specific recreational screening levels. As a result, sediment exposure pathways for potential receptors are considered incomplete.

7.7 Ecological Evaluation

COPECs identified in surface water and sediment were further refined based on a combination of the following considerations that are relevant for evaluating the potential for population-level adverse effects on aquatic and benthic organisms:

- **Alternate ESVs:** Alternate ESVs were used that are more appropriate than Step 1 ESVs, but still protective of the ecological receptors under consideration (namely aquatic and benthic organisms). These ESVs and their sources are shown in Tables 24 and 25.
- **Frequency and Magnitude of ESV Exceedance:** The frequency of the samples that exceed an ESV indicates the spatial extent of potential adverse effects, whereas the magnitude of exceedance indicates the severity of potential adverse effects [e.g., a hazard quotient (HQMean) based on mean

concentration and the respective ESV]. A $HQ > 1.0$ is generally requires further evaluation, except in cases where the HQ is known to be over-estimated due to conservative exposures and/or effects assumptions. Guidance is not available on what frequency of exceedance is considered unacceptable, but adverse effects on more than 20% of a population are generally considered unacceptable (Sample et al., 1996). The sampling locations for the Site provide sufficient spatial coverage of the available ecological habitats (e.g., DERA Lake, DERA Creek and Litter Run, see Figure 18). Hence, an exceedance frequency of $< 20\%$ is equated with potential effects on $< 20\%$ of the aquatic and benthic receptor populations within the Site. Based on these considerations, a constituent is not considered to pose population-level adverse effects if its frequency of exceedance is less than 20% and HQ_{Mean} is marginally greater than 1.0.

- **Frequency of Detection:** Similar to the exceedance frequency, detection frequency (i.e., percentage of samples at which a constituent was detected above the MDL) can also be considered to evaluate the spatial extent of the potential adverse effects (USEPA, 2001a), but specific guidance is not available. Given the spatial coverage of the available data, a constituent detected at limited number of locations (e.g., at $< 20\%$ of the locations) is consider to be unlikely to cause population-level adverse effects.
- **Background Concentrations:** Constituents with concentrations that are comparable to the levels expected in the background are not considered site-related and hence do not contribute to adverse effects that are attributable to the Site. Sources of background data have been identified and discussed in the appropriate sections below.
- **Constituent Bioavailability:** Constituents that are expected to have limited bioavailability at Site conditions are not likely to cause adverse effects and hence do no contribute significantly to the potential site-related adverse effects.

Where applicable, the factors listed above were considered for further evaluation of the COPECs identified following the Step 1 Screening. Specific discussions for media-specific evaluations are provided in the following sections.

7.7.1 Surface Water

Two surface water COPECs (iron and manganese) were identified for further refinement.

Iron

Iron has a low exceedance frequency of 17.6% (3 out of 17 samples) and an $HQ_{Mean} = 1.5$ (see Table 24). The three exceedances for iron occur at one location in DERA Creek (SW-08), at SWMU 14 drainage ditch (SW-BALLFIELD), and the seep located east of the former WWTP (SW-26). However, as discussed further in Section 7.7.2, background iron sources are likely to contribute significantly to surface water concentrations. In addition, iron has generally limited bioavailability. Based on these factors, iron is not likely to cause population-level adverse effects to aquatic organisms.

Manganese

Manganese, on the other hand has an exceedance frequency of 29.4% (or 5 of 17 samples) and $HQ_{Mean} = 4.3$ (see Table 24). Manganese exceedances occur within DERA Creek (SW-08, SW-09, and SW-10), at SWMU 14 drainage ditch (SW-BALLFIELD), and

at the seep (SW-26). However, like iron, manganese is also ubiquitous in the environment. In particular, in the Piedmont Blue Ridge region, bedrock and overlying geologic materials contain manganese bearing minerals and geochemical conditions in the aquifer facilitate manganese transport (Chapman, 2013). Hence, background sources are likely to contribute significantly to surface water concentrations. Additionally, the surface water ESV for manganese (0.12 mg/L) is over-protective with respect to fish and daphnids populations, with reported 20% effects concentrations (EC20) of 1.27 and 1.11 mg/L (Suter and Tsao, 1996). Surface water manganese concentrations are 0.51 mg/L or lower except at the seep (SW-26, 6.88 mg/L), which likely does not provide a viable aquatic habitat. Based on potential background contributions, over-protectiveness of the ESV, and habitat considerations, surface water manganese at the Site is not likely to cause population-level adverse effects to aquatic organisms.

7.7.2 Sediment

Thirteen (13) COPECs were identified for further refinement.

Metals

Seven metals were identified as COPECs in sediment: iron, lead, manganese, selenium, silver, beryllium, thallium and tin. In the refinement of iron, lead, manganese, selenium, and silver, an alternate sediment ESV was identified only for lead (see Table 25). A limited number of samples exceeded the Step 1 or alternate ESVs for these five metals (see Table 25): 16.7% (3 out of 18 samples) for manganese and 5.5% (1 out of 18 samples) for the other four COPECs. Iron, manganese, and silver exceedances occurred at the seep (SED-26), which is not likely to provide suitable habitat for sediment-dwelling organisms; and, two additional exceedances for manganese occurred in DERA Creek (SED-09 and SED-10) (see Figure 15). Selenium and lead exceedances occurred at one location (SED-33) in Lake DERA. The HQ_{Mean} for these metals were generally less than 1.0, except for manganese ($HQ_{Mean} = 1.2$). As noted earlier, background geochemical conditions are likely to contribute significantly to sediment manganese concentrations. In addition, these metals likely have lower bioavailability in the Site sediments than the assumed 100% bioavailability inherent in a screening-level evaluation. For instance, iron bioavailability is limited due to its low aqueous solubility between pH 5 and 8 (USEPA, 2003b).

Based on the limited exceedances (frequency and HQ_{Mean}) and likely limited bioavailability, these sediment metals are unlikely to cause population-level adverse effects on the benthic organisms.

For beryllium, thallium, and tin, relevant sediment ESVs could not be identified. The maximum concentrations of these metals in the Site sediments are generally comparable to the US background ranges: 1-15 mg/kg for beryllium, 5.8-10 mg/kg for thallium, and 5 mg/kg for tin (Mirecki and Falls, 2002; CCME, 1999; Buchman, 2008). At maximum concentration at or near background, incremental potential adverse effects due to these metals (relative to background levels) are not likely to be of significance.

VOCs

Four VOCs were identified as COPECs: 1,1-dichloroethane, acetone, carbon disulfide and iodomethane. For further evaluation of 1,1-dichloroethane, acetone, and carbon disulfide, alternate sediment ESVs were identified (see Table 25). Maximum concentrations of these VOCs in the Site sediments did not exceed the alternate ESVs. Hence, these VOCs do not cause adverse effects on benthic organisms at the Site.

For iodomethane, a sediment ESV could not be identified. However, it was detected in a limited number of samples (11.1% of the samples or 2 out of 18 samples). Based on the limited detection, and low bioavailability in bulk sediment, it is unlikely to cause population-level adverse effects to benthic organisms at the Site.

SVOCs

For PAHs, a limited number of samples exceed the ESVs (see Table 25): 11.1% (or 2 out of 18 samples). These two samples (SED-09 in DERA Creek and SED-28 in Lake DERA) are discrete locations with no apparent spatial relationship or history of site-related releases. Site-wide HQ_{Mean} were less than 2.0. Based on these observations, PAHs in Site sediments are unlikely to cause site-wide population-level adverse effects on benthic organisms for reasons similar to those identified above for metals and VOCs.

7.8 Site-Specific Remedial Level Evaluation

Consistent with NCDENR February 27, 2014 document entitled “Establishing Remediation Goals for the DuPont Brevard Facility”, site-specific RLs for groundwater and soil were developed for the protection of human health and the environment based on planned future uses.

RLs were developed for the following:

- Groundwater concentrations protective of receptors in Little River (human and ecological)
- Soil concentrations protective of potential groundwater receptors (Little River)
- Direct contact soil concentrations protective of potential future land use scenarios, i.e., military and recreational.

Comparison of constituents detected in soil and groundwater to these RLs is discussed in this Section. The technical approach and RL calculations are provided in the document *Site-Specific Remedial Levels* (URS, 2014), which has been included as Appendix C.

7.8.1 Site-Specific Groundwater Remedial Levels

Groundwater remedial levels [hereafter referred to as alternate concentration limits (ACLs)] were calculated to be protective of potential human and ecological receptors in the Little River.

The approach for the ACL derivation was to essentially run groundwater mass flux calculations backwards to establish an ACL at the point of compliance (POC) considering an initial risk-based concentration in the Little River (the point of exposure [or POE]). First, acceptable levels protective of human health or aquatic life (such as NC 2B values) were identified for the POE. Second, an attenuation factor (AF) based on dilution into the receiving water body was calculated. The ACL was then determined by multiplying the risk-based POE value by the site-specific AF (500).

Table 26 provides a comparison of the derived ACLs to the maximum detected concentration in site-wide groundwater and POC locations⁸. These ACLs are considered

⁸ Surficial and bedrock aquifer perimeter monitoring wells (BR-1, BR-3, BR-5, BR-9, BR-11, MW104A/B, MW105, MW106A/B, MW107A/B, MW108, MW111A/B, MW112A/B, MW207A/B, MW210A/B, MW213, MW214, MW215, MW301A/B, MW302A/B, R87-S8, R87-S9 and R87-S10)

conservative because other attenuation mechanisms such as degradation, dispersion or adsorption were not considered in the calculation.

Consistent with prior findings, groundwater data does not indicate the potential for groundwater to discharge to surface water bodies above NC 2B standards. As shown in Table 26, none of the constituents were detected above ACLs. In addition, constituents were not detected in Little River pore water or surface water above NC 2B standards (see Tables 20 and 17). Finally, groundwater concentration trends continue to be stable or decreasing in downgradient CAMU monitoring wells (see Appendix E).

7.8.2 Site-Specific Soil RLs Protective of Soil Migration to Groundwater

Soil migration-to-groundwater RLs were calculated using the soil screening level (SSL) equation provided as Figure 1 in the HWS guidance. The RL calculations used NC DENR-recommended soil parameter inputs with the ACLs derived above as the target groundwater concentration.

Protection of soil migration to groundwater RLs are intended to serve as comparison levels for surface and subsurface soil to evaluate remedial action on the basis of groundwater migration to the Little River. Table 27 provides a comparison of constituents detected in soil during Site investigations to the calculated RLs. Based on a review of the data set and as indicated in the table:

- Exceedances in soil samples were observed in less than 10% of the RFI soil samples collected. No RL exceedances were noted in the 2014 Site investigation samples.
- Most exceedances in waste samples were observed at SWMUs 13 and 16, which are over 900 feet from the Little River.
- None of the COPCs have been detected in POC groundwater monitoring wells above ACLs.
- None of the COPCs have been detected in Little River or DERA Creek pore water above NC 2B standards or ESVs.
- None of the COPCs have been detected in Little River or DERA Creek surface water above NC 2B standards or ESVs.

Based on these observations, potential impact of these constituents from the migration to groundwater route to potential receptors in surface water is not expected.

7.8.3 Site-Specific Soil RLs Protective of Human Health (Direct Contact Exposure Pathways)

Direct Contact RLs are intended to serve as evaluation criteria for surface and subsurface soil to evaluate remedial action on the basis of human health exposure. RLs values protective of multiple-route exposure were calculated using USEPA risk assessment methodology (USEPA, 1989). The USEPA risk assessment equations calculate risk levels based on the constituent concentration, magnitude of exposure, and the toxicity of the constituent. To calculate the RLs, the equations were rearranged to solve for an allowable constituent concentration based on a target risk level (hazard quotient of 1 or cancer risk of 10^{-6}), magnitude of exposure, and toxicity. Consistent with Section § 130A-310.68 (b)(9) of House Bill 45 (the Risk Bill), direct contact soil RLs were derived using the range of acceptable target cancer risk levels (10^{-6} to 10^{-4}) and a target hazard quotient of 1.

COPCs for the RL derivation were identified based on the historical RFI data set. With the collection of additional surface soil data in 2014, one additional COPC was identified (PCB 1242). Appendix G includes RL calculations for this additional COPC.

Table 28 provides a summary of the RLs calculated for each potential receptor. The lower of the non-carcinogenic and carcinogenic values is shown in the table for each analyte for each receptor. The site-specific direct contact RLs presented in the table should not be considered a “not-to-exceed” concentration, but rather consistent with USEPA guidance (USEPA, 2004) are recommended to be implemented as an average concentration (such as a 95 percent upper confidence limit of the mean [UCL95]) during remedial action.

Table 29 provides a comparison of Site surface soil data to the RL range. As shown in the table, only one COPC (benzo[a]pyrene) in the discrete soil data set had a UCL above the low end of the RL range (based on a HQ=1 and a target risk of 1×10^{-6}). The COPC exceedance was observed in one historic SWMU 16 waste sample collected from a depth of 1-5 ft bgs. No benzo[a]pyrene exceeds of the lowest RLs were observed in 2014 surface soil samples collected from the SWMU. The UCL was within the mid RL range (based on a HQ=1 and a target risk of 1×10^{-5}).

One additional PAH (7,12-dimethylbenz[a]anthracene) had an exceedance in one historical discrete surface soil sample collected from AOC A above the mid RL range, but within the upper end RL range (based on a HQ=1 and a target risk of 1×10^{-4}). In addition, the constituent was not detected in 2014 ISM sampling conducted in the area.

Two COPCs (benzo[a]pyrene and dibenz[a,h]anthracene) in the ISM soil data set had UCLs above the low end of the RL range. Exceedances were observed in DU-6 for both COPCs, and DU-8 for benzo[a]pyrene only. UCLs were within the mid RL range.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations derived from the historical and current Site investigations are presented below.

8.1 Conclusions

General Overall Site Conclusions

- The Site is no longer used for manufacturing operations and has been dismantled. Planned future uses of the Site include low-impact military training and recreational uses consistent with land use plans identified by the NCDA&CS, the NCNG, and DSRF staff.
- Groundwater in the surficial aquifer is not currently used on or in the immediate vicinity of the Site as drinking water. Deed restrictions would prohibit its use onsite as drinking water in the future.
- Groundwater in the bedrock aquifer is currently used on-site for sanitary purposes and is used at the NCDSRF Visitor Center for potable and sanitary uses. An IRM has been completed at the visitor center bedrock well.
- Releases in soil (surface and subsurface) and groundwater have been identified.
- Current detections were mostly consistent with previous RFI phases.

Soil

- Concentrations in surface soils are within the range of RLs for the designated proposed future uses.
- With minor exceptions, there is adequate soil cover (two feet) above residual waste material.

Ground Water

- Consistent with prior findings, groundwater data does not indicate the potential for groundwater to discharge to surface water bodies above NC 2B standards.
- Groundwater concentration trends continue to be stable or decreasing in downgradient CAMU monitoring wells.
- Potable sources of drinking water may be available for future users from existing water supply wells.

Surface Water

- No exceedances of NC 2B standards (human health or aquatic life) or ESVs were detected in Little River or Lake DERA.
- There is limited potential for adverse ecological effects in Site surface water.

Pore Water

- Site pore water also indicates that there is limited potential for adverse ecological effects.
- There were limited detections of VOCs and SVOCs in pore water – none at concentrations exceeding ESVs.

Sediment

- Overall, the results of the final investigation showed limited potential for adverse ecological effects or for risk to human health from Site sediments.
- No exceedances of the ESVs were detected in Little River.

Data Evaluation

- The data from the final investigation supports the environmental conditions of the Site as summarized in the previously-submitted RFI reports and the Environmental Indicator (EI) reports (CA725 [Parsons 2012a] and CA750 [Parsons 2012b]). The results (as confirmed by the ongoing NCDSRF Visitor Center and CAMU sampling programs) indicate that the Site remains protective of human health and the environment.
- Consistent with the NCDENR document entitled “Establishing Remediation Goals for the DuPont Brevard Facility,” dated February 27, 2014, site-specific RLs for groundwater and soil were developed for the protection of human health and the environment based on planned future uses as proposed by the DSRF and the NCNG. These RLs were used to support the proposed remedial approach for the Site. A comparison of the final investigation results to the site-specific RLs continues to show protectiveness for the intended future uses of the property.

8.2 Recommendations

Based on the conclusions presented above, it is believed that upon approval of this report DuPont will have met the investigation reporting requirements of the Risk Bill and will be able to move forward with final remedial decision-making. As such, the following recommendations for the Site are offered:

- The Site should be moved into the Remedial Action Plan preparation stage in accordance with Section 130A-310.69 of the Risk Bill. The RAP will address remaining concerns about SWMU 17, the final closure of the SWMU 11 CAMU, and the development of future institutional controls that will be implemented at the Site.
- The current CAMU groundwater monitoring program should be continued until final remedial decision-making for the unit has been completed.
- The current GAC system monitoring program should be maintained to ensure continued protection of people and the environment.

9.0 REFERENCES

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TABLES

Table 1
SWMU/AOC Summary Table
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Unit Number	Unit Name	Unit Description	Dates of Operation
Solid Waste Management Unit (SWMU) 1	Hazardous Waste Storage Pad	55-gallon drums stored on wooden pallets. The storage area is on a reinforced concrete pad, covered by a rood and enclosed on three sides. The pad is sloped toward a 16-inch trench with a 6-inch curb around the sides and rear.	1980-1996
SWMU 2A	HW Satellite Accumulation Area	A steel can located inside the P&O Shop building that was used to store solvent-tainted rags. The storage area rests on the shop's concrete floor and was clearly marked as hazardous waste.	1957-2003
SWMU 2B	HW Satellite Accumulation Area	Consists of a drum used to store laboratory solvents. Storage area is a steel grate pad within a shed, which was locked when not in use.	1957-2003
SWMU 2C	HW Satellite Accumulation Area	A drum used to store paint thinners. Consisted of a concrete pad enclosed inside a shed, which was locked when not in use.	1957-2003
SWMU 3A	Waste Hydrocarbon Accumulation Areas	Outdoor storage area for drums of motor and lubricating oils consisting of a wooden pallet sitting on the ground. Located south of the polishing pond, adjacent to SWMU 2C.	1957-2003
SWMU 3B	Waste Hydrocarbon Accumulation Areas	Storage area for drums of motor oil, oil filters, and anti-freeze. The storage area consists of wooden pallets that sit on gravel located under a roof between the P&O shop and the adjacent warehouse.	1957-2003
SWMU 3C	Waste Hydrocarbon Accumulation Areas	A collection area for one drum of Dowtherm. The collection area consists of a concrete pad with a wooden pallet located west of the Power House.	1957-2003
SWMU 3D	Waste Hydrocarbon Accumulation Areas	An accumulation area for drums of ethylene glycol from the Polymerization process. The storage area consists of a concrete pad located on the east side of the Casting and Stretching section of the main plant building.	1957-2003
SWMU 3E	Waste Hydrocarbon Accumulation Areas	A storage area for drums of triethylene glycol and Dowtherm. The storage area consists of a concrete pad located on the north side of the warehouse that is situated south of the Power House.	1957-2003
SWMU 4	WWTP - Aeration/settling basins, Emergency Diversion Basin, Secondary Clarifier, Polishing Pond	Consists of a horseshoe shaped pond, emergency spill basin, secondary clarification, and settling ponds. All units open-topped and unlined except the spill (emergency diversion) basin, which is clay lined.	1987 to Site Demolition in 2005 (secondary clarification began in 1990)
SWMU 5	Process Sewer System	Consists of a system of underground pipes and manholes that convey untreated process wastewater from the main plant area to the plant wastewater treatment system. Pipes are constructed of various materials including vitrified clay, reinforced concrete, and steel.	1957 to 2005
SWMU 6	Storm Sewer System	Consists of a system of drains and ditches that are generally unlined but constructed of concrete in some areas.	1957 to 2006
SWMU 7	AFB Settling Basin	An asphalt covered area consisting of the alternate fuels boiler unit and building, waste material empty drums, clarifier, used oil storage area, and a separate unlined settling basin. Most of area covered in asphalt pavement.	1991 to Plant Closure in 2003

Table 1
SWMU/AOC Summary Table
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Unit Number	Unit Name	Unit Description	Dates of Operation
SWMU 8	PET Recycle Storage Area	Waste PET resin generated by the manufacturing process is stored in dumpsters situated on asphalt north of the power house and the east side of the C&S building.	1987-2003
SWMU 9	Former Silver Recovery Drying Bed	An area where sludges from the former evaporation basin area were spread out on a plastic liner (as a one time event) and allowed to air dry. All liners were removed during the operation, and the area was converted to a gravel parking lot in 1991.	1980-1981
SWMU 10	Former Sedimentation Basin	Consists of an inground concrete lined basin measuring approximately 20 x 20 x 6 located north of the 3B coating building and east of the 3BX coater. The unit received sanitary and process waste before the horse-shoe pond was constructed to allow sediment settlement prior to discharge to SWMU 20.	1957-1987
SWMU 11	Former East Landfill	An inactive permitted solid waste landfill that has been capped and three adjacent open-topped basins. Two of the basins were replaced with rip-wrapped drainage swales.	1972 to 1996
SWMU 12A-C	Former North Landfill	A permitted landfill that has three distinct cells: SWMU 12A contains asbestos; SWMU 12B includes demolition waste such as concrete, gravel, scrap metal, wood, cardboard; SWMU 12C contains food waste from the cafeteria. Area also consisted of a sediment-settling basin. The extents of SWMU 12 cover an area of 0.20 acre (SWMU 12A) and 0.6 acre (SWMU 12B&C).	12A - 1973 - 1992 12B- 1973 - 1992 12C- 1973 - 1996
SWMU 13	Former Disposal Area - Tennis Courts	An unlined landfill that has been capped. Disposed of domestic garbage, film scraps, weak acids, glycol, digester sludge. Unlined and capped with soil of unspecified thickness and permeability.	1972 to 1974
SWMU 14	Former Disposal Area 4 - West Landfill	An unlined landfill that was capped and formerly used as a baseball field. Used to dispose plant trash, scrap film, glycol, process liquid wastes. Was the focus of a recycling/consolidation into the CAMU effort.	1958 to 1972
SWMU 15	Former Silicon Disposal Area	An unlined disposal area that has been capped; used for scrap elemental silicon	1958 to 1962

Table 1
SWMU/AOC Summary Table
 Remedial Investigation Report
 DuPont Brevard Facility
 Cedar Mountain, North Carolina

Unit Number	Unit Name	Unit Description	Dates of Operation
SWMU 16	Former Disposal Area 6 - Equipment Sludge Disposal	Consists of one 40 by 40 foot area and two 10 by 30 foot areas. The areas are unlined and capped with soil and exhibit vegetative cover. Consisted of a disposal area for weak acids, glycols, resins, process wastes, sanitary wastes, carbon black and glycol dimethyl teraphthalate.	1974 to 1976
SWMU 17	Former Power Hill Disposal Area	Five unlined disposal areas ranging from approximately 20 feet by 65 feet to 16 feet by 22 feet. The areas have been capped with soil. Used to dispose of neutralized wasted hydrofluoric acid and miscellaneous waste liquids such as glycols, solvents, degraded polymer, resin and gel and broken thermometers.	1958 to 1977
SWMU 18A & B	Former Disposal Area 8 - Evaporation Basin	Two earthen-lined, open-topped ponds approximately 130 feet by 270 feet and five feet deep. An extension to the 3B Coater building was constructed over part of these ponds. Used as settling ponds for process wastewater containing zinc chloride.	1957 to 1963
SWMU 19	Former Disposal Area #12 - Digester Sludge Disposal Area	An unlined disposal area that has been covered with soil and extends less than one half of an acre. Used for the disposal of digester pit sludge which contained glycol and carbon black.	1971 -1972
SWMU 20	Former WWTP Settling Pond	An earthen-lined, open-topped pond approximately 120 feet by 240 feet and five feet deep.	1957 to 1990
Area of Concern (AOC) A	Fuel Oil Tank Farm	One 300,000-gallon tank, one 500,000-gallon tank, and one one-million gallon tank. The tanks were located in a bermed, gravel-lined area.	No. 2 fuel oil- 1962 to 2003 No. 6 fuel oil 500,000 gallon- 1973 to 2003 No. 6 fuel oil one million gallon- 1974 to 1992
AOC B	CP Tank Farm	Seven above-ground tanks located within a diked, gravel-lined area. Two 65,000-gallon, one 25,500-gallon, two 26,500-gallon, one 8,000-gallon, and one 25,000-gallon tanks.	Tank #1- 1963 to Tank #2- 1976 to Tank #3- 1963 to Tank #4- Unknown to Tank #5- Unknown to Tank #6- Unknown to Tank #7- Unknown to
AOC C	Save All System - Silver recovery unit	Two 10,000-gallon tanks located within a concrete-lined pit. Used to recover silver bromide from process waste.	1963 to 2003

Table 1
SWMU/AOC Summary Table
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 Cedar Mountain, North Carolina

Unit Number	Unit Name	Unit Description	Dates of Operation
AOC D	Jet Water Cooling Tower	Unit used to circulate water potentially contaminated with acid aldehyde vapors and other catalysts.	Unknown - Early 1990s
AOC E	Silver Recovery Transfer Line	An underground transfer line that runs from the R&D building along the west side of the manufacturing building to the Save-all silver recovery unit.	Unknown - Early 1990s
AOC F	Construction and Demolition Disposal Area	Disposal area located in the northeast corner of the Site near SWMU4	July 25, 1996 - December 2, 2005
AOC G	Former Sand Blasting Area	Area located off the southeastern corner of the polishing pond and north of the construction area; used in the sand blasting of metal parts relating to construction and maintenance activities.	Early 1970s - 1996
AOC H	Glycol Satellite Storage Tanks	Consists of two triethylene glycol storage tanks located adjacent to the south side of the manufacturing building, east of the courtyard for the administration building. The area was observed to be lined with concrete materials.	Early 1970s - 2002
AOC I	Powerhouse Gravel Area	A graveled area along the southeastern corner of the powerhouse located on the south side of the manufacturing building. This area was used to generate steam for the manufacturing process through the combustion of natural gas and fuel oils.	1950s - 2005
AOC J	Dowtherm Vaporizers Area	Located on the south side of the manufacturing building along the powerhouse, these vaporizers were used to super heat the Dowtherm, which acted as a heat transfer medium during the polymerization process of the polyester manufacturing process.	Early 1970s - 2002
AOC K	Glycol Hot Well Area	Located on the south side of the manufacturing building, the hot wells were used to super heat glycol materials used in the polymerization process.	Early 1970s - 2002

Table 2
Water Level Elevations Measurements
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Well ID	Date	TOC Elevation	Current DTB	Current DTW	Time	Groundwater Elevation
BR-1	11/03/2014	2539.06	84.87	6.28	1330	2532.78
BR-11	11/03/2014	2589.35	87.50	42.61	1640	2546.74
BR-2R	11/03/2014	2529.74	68.94	9.56	1307	2520.18
BR-3	11/03/2014	2528.26	74.41	10.81	1645	2517.45
BR-4	11/03/2014	2526.20	73.47	6.91	1404	2519.29
BR-5	11/03/2014	2569.88	100.60	22.04	1716	2547.84
BR-9	11/03/2014	2586.24	88.49	35.98	1708	2550.26
MW-101	11/03/2014	2586.15	24.93	21.15	1411	2565.00
MW-102A	11/03/2014	2556.31	34.27	7.45	1504	2548.86
MW-102B	11/03/2014	2556.42	50.24	8.75	1506	2547.67
MW-104A	11/03/2014	2532.18	18.66	9.38	1322	2522.80
MW-104B	11/03/2014	2532.3	31.02	9.08	1323	2523.22
MW-105	11/03/2014	2531.39	18.53	10.03	1317	2521.36
MW-106A	11/03/2014	2529.77	18.49	10.31	1305	2519.46
MW-106B	11/03/2014	2529.67	40.02	10.05	1303	2519.62
MW-107A	11/03/2014	2527.14	17.48	9.23	1238	2517.91
MW-107B	11/03/2014	2526.45	25.23	8.53	1241	2517.92
MW-108	11/03/2014	2524.08	20.24	7.69	1650	2516.39
MW-109A	11/03/2014	2546.75	27.84	18.12	1455	2528.63
MW-109B	11/03/2014	2546.78	37.15	18.01	1452	2528.77
MW-110A	11/03/2014	2580.3	27.77	25.90	NR	2554.40
MW-110B	11/03/2014	2580.52	46.98	25.59	1710	2554.93
MW-111A	11/03/2014	2566.18	37.00	31.70	1649	2534.48
MW-111B	11/03/2014	2566.55	53.00	31.75	1647	2534.80
MW-112A	11/03/2014	2592.42	35.15	31.12	1622	2561.30
MW-112B	11/03/2014	2592.31	45.05	31.03	1623	2561.28
MW-114A	11/03/2014	2520.01	22.90	14.07	1555	2505.94
MW-114B	11/03/2014	2519.33	33.25	14.42	1558	2504.91
MW-201A	11/03/2014	2584.71	31.55	27.30	1703	2557.41
MW-201B	11/03/2014	2584.99	46.50	27.15	1701	2557.84
MW-202A	11/03/2014	2570.36	32.10	27.40	1725	2542.96
MW-202B	11/03/2014	2569.95	51.87	27.54	1728	2542.41
MW-204A	11/03/2014	2550.21	25.49	17.94	1549	2532.27
MW-204B	11/03/2014	2550.40	46.26	18.02	1547	2532.38
MW-205A	11/03/2014	2543.56	26.38	15.40	1552	2528.16
MW-205B	11/03/2014	2543.53	50.17	15.09	1556	2528.44
MW-206A	11/03/2014	2539.45	26.52	12.51	1600	2526.94
MW-206B	11/03/2014	2539.53	54.42	11.73	1602	2527.80
MW-207A	11/03/2014	2527.56	17.68	9.64	1406	2517.92
MW-207B	11/03/2014	2527.56	27.75	9.75	1408	2517.81
MW-209A	11/03/2014	2526.60	16.14	6.89	1538	2519.71
MW-209B	11/03/2014	2526.27	41.99	6.56	1536	2519.71
MW-210A	11/03/2014	2525.88	17.29	6.69	1509	2519.19
MW-210B	11/03/2014	2525.82	34.11	6.59	1507	2519.23
MW-211A	11/03/2014	2539.58	26.75	10.01	1630	2529.57
MW-211B	11/03/2014	2539.65	46.95	9.03	1632	2530.62
MW-211C	11/03/2014	2539.56	65.92	9.73	1635	2529.83
MW-212A	11/03/2014	2525.93	17.62	7.76	1640	2518.17
MW-212B	11/03/2014	2525.84	46.74	7.08	1642	2518.76

Table 2
Water Level Elevations Measurements
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Well ID	Date	TOC Elevation	Current DTB	Current DTW	Time	Groundwater Elevation
MW-213	11/03/2014	2526.51	24.41	8.40	1247	2518.11
MW-214	11/03/2014	2528.10	42.40	9.49	1255	2518.61
MW-215	11/03/2014	2528.79	39.19	9.48	1258	2519.31
MW-216A	11/03/2014	2552.20	34.08	25.00	1704	2527.20
MW-216B	11/03/2014	2552.05	51.28	24.36	1706	2527.69
MW-219A	11/03/2014	2551.62	17.55	11.31	1619	2540.31
MW-219B	11/03/2014	2551.64	70.61	11.68	1621	2539.96
MW-220	11/03/2014	2572.92	13.29	DRY	1400	
MW-221A	11/03/2014	2580.61	17.34	17.00	1442	2563.61
MW-221B	11/03/2014	2580.55	32.61	18.44	1443	2562.11
MW-222A	11/03/2014	2577.82	19.80	15.22	1438	2562.60
MW-222B	11/03/2014	2577.97	66.55	15.57	1436	2562.40
MW-223A	11/03/2014	2554.64	17.39	17.39	1534	2537.25
MW-223B	11/03/2014	2554.55	27.70	16.80	1535	2537.75
MW-224A	11/03/2014	2541.79	17.57	11.88	1612	2529.91
MW-224B	11/03/2014	2541.81	55.67	11.61	1614	2530.20
MW-225A	11/03/2014	2581.11	22.35	16.57	1455	2564.54
MW-225B	11/03/2014	2581.40	37.90	17.43	1454	2563.97
MW-300	11/03/2014	2559.36	33.57	22.61	1702	2536.75
MW-301A	11/03/2014	2529.70	18.96	9.75	1311	2519.95
MW-301B	11/03/2014	2529.58	39.25	9.35	1308	2520.23
MW-302A	11/03/2014	2539.11	20.42	13.24	1333	2525.87
MW-302B	11/03/2014	2539.06	60.33	11.56	1331	2527.50
MW-303	11/03/2014	2543.02	17.33	8.05	1338	2534.97
MW-304A	11/03/2014	2547.87	15.00	9.27	1351	2538.60
MW-304B	11/03/2014	2548.12	78.04	6.96	1356	2541.16
MW-305	11/03/2014	2569.32	13.27	4.38	1423	2564.94
PZ-01	11/03/2014	2542.74	23.43	12.35	1630	2530.39
PZ-02	11/03/2014	2531.46	22.36	11.13	1637	2520.33
PZ-03	11/03/2014	2542.10	9.84	DRY	1716	
PZ-04	11/03/2014	2556.66	24.13	15.46	1712	2541.20
PZ-06	11/03/2014	2529.94	15.73	13.93	1312	2516.01
PZ-07	11/03/2014	2531.41	19.45	9.88	1319	2521.53
PZ-08	11/03/2014	2536.97	18.04	14.39	1335	2522.58
PZ-09	11/03/2014	2559.14	21.44	17.99	1359	2541.15
PZ-10	11/03/2014	2548.02	17.76	5.48	1511	2542.54
PZ-12	11/03/2014	2579.52	21.58	17.00	1430	2562.52
PZ-13	11/03/2014	2571.74	17.82	13.50	1419	2558.24
PZ-14	11/03/2014	2589.86	33.89	25.91	1518	2563.95
PZ-15	11/03/2014	2549.63	22.20	DRY	1614	
PZ-16	11/03/2014	2524.08	28.17	29.03	1548	2495.05
PZ-17	11/03/2014	2552.16	25.60	23.50	1538	2528.66
R87-S10	11/03/2014	2529.20	17.60	10.00	1300	2519.20
R87-S11	11/03/2014	2559.66	42.49	34.99	1656	2524.67
R87-S3	11/03/2014	2532.25	15.00	8.65	1528	2523.60
R87-S4	11/03/2014	2526.89	25.00	4.66	1523	2522.23
R87-S5	11/03/2014	2526.77	22.72	4.91	1519	2521.86
R87-S6	11/03/2014	Not Available	34.30	23.34	1531	
R87-S7	11/03/2014	2557.98	28.60	27.82	NR	2530.16
R87-S8	11/03/2014	2526.62	17.59	8.48	1250	2518.14
R87-S9	11/03/2014	2529.08	17.62	10.56	1253	2518.52

Table 2
Water Level Elevations Measurements
 Remedial Investigation Report
 DuPont Brevard Facility
 Cedar Mountain, North Carolina

Well ID	Date	TOC Elevation	Current DTB	Current DTW	Time	Groundwater Elevation
SG-01	NS	2565.53	NS	NS	NS	
SG-02	NS	2535.78	NS	NS	NS	
SG-03	NS	2520.15	NS	NS	NS	
SG-04	NS	2524.04	NS	NS	NS	
SG-05	NS	2527.21	NS	NS	NS	
WSW-CMPGND 9036	11/03/2014	2588.43		19.00	1353	2569.43
WSW-DSF3	NS	2521.90	NS	NS	NS	
WSW-GUARD 9038	11/03/2014	2551.88	NR	10.18	1249	2541.70
WSW-VISIT	11/03/2014	2645.00	NR	79.44	1342	2565.56
WSW-WWT 9047	11/03/2014	2548.45	NR	18.41	1240	2530.04
WSW-YMCA	11/03/2014	2588.43	NR	10.89	1305	2577.54

Notes:

(NR) = Not Recorded

(NS) = Not Sampled

Table 3
Soil, Surface Water, Sediment, and Pore Water
 Sampling Plan Summary
 Remedial Investigation Report
 DuPont Brevard Facility
 Cedar Mountain, North Carolina

Sample Location	ANALYSIS AND NUMBER OF SAMPLES														
	Ap IX VOCs	VOCs + 1,4-dioxane	Ap IX Metals	Dissolved Metals (with Fe, Mn)	PCBs	Diphenyl Ether + Biphenyl	Hex. Cr.	Glycols	Total Hardness	TSS	Acid Volatile Sulfides	TOC SW 9060A mod	Grain Size ASTM D422	Nitrate/Nitrite	% Moisture
SURFACE SOIL - Manufacturing Area (ISM)	27		27		27	27		27							27
SURFACE SOIL - Manufacturing Area	7		7		7	7		7							7
SURFACE SOIL - Ballfield (SWMU 14)	10		10			10		10							10
SURFACE SOIL - AFB Area (DU #9 - ISM)	3		3		3	3	3	3							3
SURFACE SOIL - SWMU 13	10		10			10		10							10
SURFACE SOIL - SWMU 15	5		5			5		5							5
SURFACE SOIL - SWMU 16	10		10			10		10							10
SURFACE SOIL - SWMU 19	3		3			3		3							3
SEDIMENT	18		18			18		18			18	18	18	2	18
SURFACE WATER		19	19	19		19		19	19	19				2	
PORE WATER		11													

Notes:
 VOC = Volatile Organic Compounds
 VC = Vinyl Chloride
 SVOC = Semi-Volatile Organic Compounds
 SWMU = Solid Waste Management Unit
 Fe = Iron
 ISM = Incremental Sampling Methodology
 Hex. Cr. = Hexavalent Chromium

Table 4
Groundwater Sampling Plan Summary
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Well ID	ANALYSIS AND METHOD								
	VOCs	VC	SVOCs + 1,4-dioxane	Metals (inc Fe, Mn)	Diphenyl Ether + Biphenyl	Glycols	1,4-dioxane Only	Nitrate	Ammonia
MW-104B	X	X		X	X				
MW-105	X	X		X	X	X			
MW-106B	X	X		X	X	X			
MW-108	X	X		X				X	X
MW-111B	X	X		X					
MW-112A	X	X		X					
MW-112B	X	X		X					
PZ-14	X	X		X					
PZ-17	X	X		X					
MW-114A	X	X		X	X				
MW-114B	X	X		X					
MW-202B	X	X		X					
MW-207A	X	X	X	X	X			X	X
MW-207B	X	X	X	X	X			X	X
MW-209A	X	X	X	X	X				
MW-209B	X	X	X	X	X				
MW-210A	X	X	X	X				X	X
MW-210B	X	X	X	X	X			X	X
MW-211A	X	X		X				X	X
MW-211B	X	X		X				X	X
MW-211C	X	X		X				X	X
MW-212A	X	X	X	X	X				
MW-212B	X	X	X	X	X				
MW-214	X	X	X	X	X	X			
MW-215	X	X	X	X	X	X			
MW-219A	X	X		X	X				
MW-219B	X	X		X	X				
MW-221B	X	X		X	X				
MW-222A	X	X		X	X				
MW-222B	X	X		X	X				
MW-225A	X	X		X	X				
MW-225B	X	X		X	X				
R87-S4	X	X		X	X		X		
R87-S5	X	X		X	X		X	X	X
MW-300	X	X	X	X	X	X			
MW-301A	X	X	X	X	X	X			
MW-301B	X	X	X	X	X	X			

Table 4
Groundwater Sampling Plan Summary

Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Well ID	ANALYSIS AND METHOD								
	VOCs	VC	SVOCs + 1,4-dioxane	Metals (inc Fe, Mn)	Diphenyl Ether + Biphenyl	Glycols	1,4-dioxane Only	Nitrate	Ammonia
MW-302A	X	X	X	X	X	X			
MW-302B	X	X	X	X	X	X			
MW-303	X	X	X	X	X	X			
MW-304A	X	X	X	X	X	X			
MW-304B	X	X	X	X	X	X			
MW-305	X	X	X	X	X	X			
BR-1	X	X	X	X	X	X			
BR-2	X	X	X	X	X	X			
BR-3	X	X	X	X	X	X			
BR-5	X	X	X	X	X	X			
BR-9	X	X	X	X	X	X			
BR-11	X	X	X	X	X	X			
WSW-YMCA	X	X	X	X	X	X			
WSW-CMPGND	X	X	X	X	X	X			
WSW-VISIT	X	X	X	X	X	X			
WSW-GUARD	X	X	X	X	X	X			
WSW-WWT	X	X	X	X	X	X			
WSW-DSF3	X	X	X	X	X	X			

Notes:

VOC = Volatile Organic Compounds
 VC = Vinyl Chloride
 SVOC = Semi-Volatile Organic Compounds
 Fe = Iron
 Mn = Manganese
 WSW = Water Supply Well

Table 5
Water Quality Field Parameters
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Sample (Well ID)	Date Sampled	Time Sampled	Depth to Water from Top of Casing (feet)	pH	TEMP (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU)	Color	Odor
BR-1	11/20/2014	1026	6.80	5.63	12.26	0.020	1.20	44	27.4	Light Rust	Slight
BR-11	12/19/2014	1200	44.42	6.33	14.04	0.069	0.00	26	49.4	Clear	None
BR-2	11/20/2014	1534	9.45	6.48	12.79	0.137	2.56	-78	19.1	Clear	None
BR-3	12/19/2014	1030	10.80	6.36	8.44	0.337	0.00	-95	10.6	Clear	Yes
BR-5	12/18/2014	1210	22.42	6.58	9.21	0.045	8.89	222	109.0	Slightly Cloudy	slight
BR-9	12/19/2014	1420	36.60	12.36	12.53	0.180	1.13	-8	17.3	Clear	None
MW-104B	11/18/2014	948	8.53	6.52	9.77	0.049	0.01	116	1.7	Light Tan	None
MW-105	11/18/2014	1155	9.60	5.13	8.69	0.018	0.64	334	5.9	Clear	None
MW-106A	11/10/2014	1652	10.51	5.68	14.10	0.253	0.00	44	20.1	Clear	None
MW-106B	12/15/2014	1125	9.82	5.11	10.32	0.145	0.14	293	0.0	Clear	None
MW-107A	11/11/2014	946	9.35	6.02	11.80	0.366	0.00	0	33.8	Tan	Odor
MW-107B	11/11/2014	1054	8.66	6.53	15.30	0.051	0.02	76	1.6	Clear	None
MW-108	12/16/2014	1206	7.48	5.04	11.69	0.130	0.00	302	0.0	Clear	None
MW-111B	12/19/2014	1610	32.45	5.74	9.78	0.035	8.44	257	42.7	Clear	None
MW-112A	2/10/2015	1145	30.59	4.66	14.79	0.074	7.46	248	259.0	Clear	None
MW-112B	12/18/2014	1645	31.26	5.32	10.02	0.023	11.45	312	21.3	Clear	None
MW-114A	12/16/2014	926	14.00	6.31	13.42	0.061	0.34	35	0.32	Clear	Yes
MW-114B	12/16/2014	1031	14.20	6.37	13.08	0.010	6.73	138	1.0	Clear	None
MW-202B	12/18/2014	1020	28.45	5.97	5.40	0.033	7.46	256	0.0	Clear	None
MW-207A	12/17/2014	1026	8.85	4.61	10.16	0.000	3.55	397	0.0	Clear	None
MW-207B	12/16/2014	1611	9.40	5.18	13.61	0.005	1.40	332	1.4	Clear	None
MW-209A	12/15/2014	1705	6.75	6.60	12.66	0.092	0.57	-26	9.5	Clear	None
MW-209B	12/15/2014	1540	6.44	6.84	13.18	0.210	1.16	124	1.1	Clear	None
MW-210A	11/19/2014	1441	5.58	4.62	10.88	0.053	0.28	224	23.7	Reddish	None
MW-210B	11/19/2014	1539	5.59	6.76	10.59	0.204	0.00	89	10.2	Brown	None
MW-211A	11/18/2014	1515	10.00	6.42	7.81	0.312	0.00	30	10.4	Tan	Odor
MW-211B	11/18/2014	1645	9.03	4.45	8.16	0.131	0.37	426	0.0	NR	NR
MW-211C	11/19/2014	906	9.73	5.01	9.48	0.100	0.33	349	6.9	Clear	None
MW-212A	11/21/2014	910	7.56	5.87	11.37	0.228	0.00	101	10.6	Reddish Brown	Slight
MW-212B	11/21/2014	1001	6.95	6.23	15.60	0.254	0.12	226	0.0	Reddish Brown	None
MW-213	11/12/2014	1100	8.40	5.90	13.10	0.114	0.00	106	1.3	Clear	Strong
MW-214	12/15/2014	1544	9.30	6.02	10.11	0.306	0.00	-33	62.8	Clear	None

Table 5
Water Quality Field Parameters
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Sample (Well ID)	Date Sampled	Time Sampled	Depth to Water from Top of Casing (feet)	pH	TEMP (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU)	Color	Odor
MW-215	11/14/2014	931	9.79	5.55	7.53	0.171	0.18	87	2.4	Clear	None
MW-216A	11/10/2014	1358	25.14	5.16	18.42	0.054	4.90	287	0.0	Clear	None
MW-216B	11/10/2014	1531	24.51	6.73	17.12	0.286	0.21	138	0.0	Clear	None
MW-219A	11/13/2014	1200	11.51	5.35	15.60	0.028	6.34	319	7.6	Clear	None
MW-219B	11/13/2014	1046	11.70	6.06	12.16	0.031	3.79	242	6.6	Clear	None
MW-221B	12/18/2014	1516	18.15	5.60	14.26	0.005	7.20	204	4.1	Clear	None
MW-222A	12/18/2014	1153	15.03	5.99	11.07	0.044	0.19	49	0.3	Clear	Slight
MW-222B	12/18/2014	948	15.23	6.38	11.21	0.027	0.64	144	4.0	Clear	None
MW-225A	12/16/2014	1718	16.01	5.37	9.69	0.053	0.40	197	0.0	Clear	None
MW-225B	12/16/2014	1605	16.97	5.19	11.27	0.025	1.64	145	0.0	Clear	None
MW-300	12/17/2014	1641	24.59	5.24	12.67	0.096	3.61	236	4.6	Clear	None
MW-301A	11/20/2014	1134	9.60	4.61	14.34	0.017	1.65	300	0.6	Clear	None
MW-301B	11/20/2014	1428	9.45	5.70	13.52	0.044	1.16	228	0.0	Clear	None
MW-302A	11/20/2014	901	13.20	4.32	10.40	0.013	8.60	321	0.0	Clear	None
MW-302B	11/20/2014	935	11.65	9.88	10.77	0.015	10.28	304	0.0	Clear	None
MW-303	11/14/2014	1217	8.26	5.24	11.74	0.013	6.79	323	0.5	Clear	None
MW-304A	12/16/2014	1436	9.05	5.16	14.21	0.003	3.09	315	49.0	Clear	None
MW-304B	12/16/2014	1216	6.65	6.24	13.70	0.004	7.46	188	0.0	Clear	None
MW-305	12/17/2014	1340	5.36	5.52	13.75	0.033	0.31	123	181.0	Very Light Tan	None
PW-04	10/23/2014	945	NA	6.16	11.02	0.083	0.09	-15	5.1	Clear	None
PW-05	10/30/2014	1000	NA	5.84	12.45	0.232	9.56	-6	5.6	Clear	None
PW-06	10/30/2014	1115	NA	5.94	12.15	0.034	0.66	34	5.7	Clear	None
PW-07	10/30/2014	1535	NA	5.36	14.09	0.011	0.00	226	1.2	Clear	None
PW-09	10/22/2014	1650	NA	6.11	14.17	0.024	7.83	168	19.0	Clear	None
PW-10	10/21/2014	1700	NA	6.42	16.11	0.030	2.24	15	36.1	Slightly Cloudy tan	None
PW-26	10/22/2014	855	NA	8.39	8.35	0.200	0.92	-68	89.6	Cloudy	None
PW-27	10/30/2014	1445	NA	5.96	14.76	0.013	0.00	136	6.3	Clear	None
PW-29	10/22/2014	1810	NA	6.29	13.84	0.011	0.36	149	18.7	Clear	None
PW-30	10/22/2014	1735	NA	6.40	14.94	0.020	0.00	39	89.7	Cloudy Tan	None
PW-Ballfield	10/23/2014	1145	NA	6.06	13.50	0.012	1.59	164	13.7	Clear	Slight
PZ-14	11/19/2014	1025	26.14	4.65	7.32	0.026	8.30	398	33.1	Milky	None
PZ-17	11/19/2014	1136	24.05	4.62	7.85	0.038	4.48	309	244.0	Tan	None
R87-S10	11/11/2014	1430	10.23	5.75	19.49	0.021	1.41	246	1.6	Clear	None
R87-S4	11/13/2014	923	4.80	7.03	11.88	0.282	0.00	-68	49.5	Tan / Reddish	None
R87-S5	11/12/2014	1630	5.06	7.09	23.99	0.405	0.00	-72	10.0	Clear	Slight
R87-S5	12/19/2014	1249	4.78	6.34	17.83	0.345	0.00	-73	20.5	Clear	None
R87-S8	11/12/2014	1005	8.47	5.57	12.71	0.113	0.00	129	3.8	Tan	None

Table 5
Water Quality Field Parameters
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Sample (Well ID)	Date Sampled	Time Sampled	Depth to Water from Top of Casing (feet)	pH	TEMP (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Turbidity (NTU)	Color	Odor
R87-S9	11/12/2014	853	10.78	4.64	11.98	0.033	1.08	307	20.0	Clear	None
SW-04	10/23/2014	1010	NA	6.12	11.03	0.015	6.84	145	2.3	Clear	None
SW-05	10/30/2014	930	NA	5.61	11.70	0.015	7.40	173	0.8	Clear	None
SW-06	10/30/2014	1035	NA	6.88	10.66	0.014	9.65	-20	0.8		
SW-07	10/30/2014	1510	NA	5.77	10.58	0.013	10.00	149	0.8	Clear	None
SW-08	10/23/2014	1450	NA	6.47	16.65	0.016	4.50	76	0.2	Clear	Slight
SW-09	10/28/2014	1415	NA	5.20	16.79	0.021	6.10	6	1.4	Clear	None
SW-10	10/21/2014	1720	NA	5.84	17.01	0.023	7.90	103	1.8	Clear	None
SW-14	10/29/2014	935	NA	6.57	16.77	0.009	4.72	201	0.9	Clear	None
SW-26	10/22/2014	915	NA	6.35	11.26	0.188	0.00	-38	7.5	Clear	None
SW-27	10/30/2014	1425	NA	6.24	12.74	0.014	10.46	97	1.1	Clear	None
SW-28	10/22/2014	1845	NA	5.99	14.90	0.009	5.58	142	2.4	Clear w/ particles	None
SW-29	10/22/2014	1820	NA	6.61	16.07	0.009	5.96	81	4.9	Clear	None
SW-30	10/22/2014	1745	NA	6.76	15.90	0.009	6.04	152	19.5	Clear w/ particles	None
SW-31	10/29/2015	955	NA	6.53	16.37	0.010	4.00	211	0.0	Clear	None
SW-32	10/29/2014	1015	NA	7.04	16.34	0.007	7.17	173	7.6	Clear	None
SW-33	10/22/2014	1300	NA	6.82	16.58	0.009	7.75	162	0.7	Clear	None
SW-34	10/22/2014	1220	NA	6.78	16.85	0.009	7.57	163	0.4	Clear	None
SW-35	10/22/2014	1130	NA	7.11	16.65	0.010	6.89	122	3.4	Clear	None
SW-Ballfield	10/23/2014	1200	NA	5.93	13.54	0.049	3.49	60	90.8	Clear w/ lots of particles	Slight
WSW-CMPGND	12/19/2014	1317	17.82	4.93	9.94	0.030	9.92	219	9.4	Clear	None
WSW-DSF3	12/16/2014	930	NA	6.93	7.30	0.050	7.94	179	0.0	Clear	None
WSW-GUARD	12/19/2014	1636	10.61	6.61	13.46	0.029	0.86	114	1.7	Clear	None
WSW-VISIT	12/16/2014	1027	NA	5.94	11.21	0.037	7.82	254	0.0	Clear	None
WSW-WWT	12/18/2014	1709	18.68	6.34	12.75	0.013	5.65	150	25.0	Light Orange	None
WSW-YMCA	12/19/2014	1536	10.91	5.16	16.01	0.024	8.78	204	9.1	Clear	None

Notes:

°C - degrees Centigrade
mS/cm - microSiemens per centimeter
mg/L - milligram(s) per liter
mV - millivolt
NTU - Nephelometric turbidity units

Table 6A
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	NC PSRG - Industrial	No. of Detects Above PSRG - Ind
Volatile Organic Compounds											
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	53	1	0.025	0.025	SWMU13-SS-6	0.6	0	2.7	0
1,1-Dichloroethene	75-35-4	MG/KG	53	2	0.001	0.019	MA-SS-7	46	0	200	0
Acetone	67-64-1	MG/KG	53	51	0.01	0.1	SWMU13-SS-2	12000	0	100000	0
Benzene	71-43-2	MG/KG	53	1	0.001	0.001	SWMU15-SBS-1	1.2	0	5.1	0
Carbon Disulfide	75-15-0	MG/KG	53	15	0.0009	0.005	MA-SS-7	150	0	700	0
cis-1,2 Dichloroethene	156-59-2	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	32	0	460	0
Ethylbenzene	100-41-4	MG/KG	53	1	0.01	0.01	SWMU19-SS-1	5.8	0	25	0
Methyl Ethyl Ketone	78-93-3	MG/KG	53	1	0.004	0.004	SWMU13-SS-3	5400	0	38000	0
Methylene Chloride	75-09-2	MG/KG	53	3	0.005	0.01	SWMU16-SS-9	57	0	640	0
Tetrachloroethene	127-18-4	MG/KG	53	7	0.002	0.086	SWMU16-SS-9	16	0	78	0
Toluene	108-88-3	MG/KG	53	1	0.002	0.002	SWMU19-SS-1	820	0	820	0
trans-1,2-Dichloroethene	156-60-5	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	320	0	4600	0
Trichloroethene	79-01-6	MG/KG	53	6	0.001	0.013	SWMU13-SS-6	0.82	0	3.8	0
Trichlorofluoromethane	75-69-4	MG/KG	53	3	0.002	0.025	MA-SS-7	150	0	620	0
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	53	1	0.02	0.02	SWMU19-SS-3	3.6	0	50	0
2,4-Dimethylphenol	105-67-9	MG/KG	53	1	0.15	0.15	MA-SS-2	240	0	3200	0
2-Methylnaphthalene	91-57-6	MG/KG	53	17	0.004	3.2	MA-SS-2	46	0	600	0
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	53	1	0.025	0.025	MA-SS-5	620	0	8200	0
3-Methylcholanthrene	56-49-5	MG/KG	53	6	0.02	0.32	MA-SS-4	0.0054	6	0.10	3
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	53	2	0.023	0.31	MA-SS-2	1200	0	16000	0
Acenaphthene	83-32-9	MG/KG	53	26	0.004	4.9	MA-SS-2	700	0	9000	0
Acenaphthylene	208-96-8	MG/KG	53	21	0.004	1.5	MA-SS-2	700	0	9000	0
Acetophenone	98-86-2	MG/KG	53	2	0.026	0.035	MA-SS-5	1600	0	2500	0
Anthracene	120-12-7	MG/KG	53	27	0.004	12	MA-SS-2	3400	0	46000	0
Benzo(A)Anthracene	56-55-3	MG/KG	53	48	0.004	32	MA-SS-2	0.15	17	2.9	5
Benzo(B)Fluoranthene	205-99-2	MG/KG	53	51	0.005	32	MA-SS-2	0.15	20	2.9	6
Benzo(G,H,I)Perylene	191-24-2	MG/KG	53	51	0.004	11	MA-SS-2	340	0	4600	0
Benzo(K)Fluoranthene	207-08-9	MG/KG	53	49	0.004	9.5	MA-SS-2	1.5	5	29	0
Benzo[A]Pyrene	50-32-8	MG/KG	53	51	0.005	18	MA-SS-2	0.015	36	0.29	14
Benzyl Alcohol	100-51-6	MG/KG	53	1	0.42	0.42	MA-SS-5	1200	0	16000	0
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	53	2	0.48	0.5	MA-SS-2	38	0	160	0
Butyl Benzyl Phthalate	85-68-7	MG/KG	53	1	0.16	0.16	MA-SS-5	280	0	1200	0
Chrysene	218-01-9	MG/KG	53	49	0.004	20	MA-SS-2	15	3	290	0
Dibenz(A,H)Anthracene	53-70-3	MG/KG	53	38	0.005	3.5	MA-SS-2	0.015	21	0.29	6
Dibenzofuran	132-64-9	MG/KG	53	12	0.028	4.6	MA-SS-2	14	0	200	0
Fluoranthene	206-44-0	MG/KG	53	47	0.004	71	MA-SS-2	460	0	6000	0
Fluorene	86-73-7	MG/KG	53	26	0.004	8.6	MA-SS-2	460	0	6000	0
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	53	50	0.005	11	MA-SS-2	0.15	14	2.9	4

Table 6A
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	NC PSRG - Industrial	No. of Detects Above PSRG - Ind
Naphthalene	91-20-3	MG/KG	53	20	0.004	7.3	MA-SS-2	3.8	1	17	0
Phenanthrene	85-01-8	MG/KG	53	43	0.004	56	MA-SS-2	3400	0	46000	0
Phenol	108-95-2	MG/KG	53	1	0.024	0.024	SWMU13-SS-1	3600	0	50000	0
Pyrene	129-00-0	MG/KG	53	48	0.005	48	MA-SS-2	340	0	4600	0
<i>Dowtherm</i>											
Biphenyl	92-52-4	MG/KG	53	13	0.02	0.98	MA-SS-2	9.4	0	40	0
Diphenyl Ether	101-84-8	MG/KG	53	14	0.022	3.8	MA-SS-5	2700	0	19000	0
Polychlorinated Biphenyls											
PCB 1248	12672-29-6	MG/KG	8	1	0.7	0.7	MA-SS-5	1.0	0	1.0	0
PCB 1254	11097-69-1	MG/KG	8	7	0.012	0.43	MA-SS-5	1.0	0	1.0	0
PCB 1260	11096-82-5	MG/KG	8	4	0.0086	0.14	MA-SS-5	1.0	0	1.0	0
Inorganics											
Antimony	7440-36-0	MG/KG	53	30	0.1	5.83	MA-SS-5	6.2	0	94	0
Arsenic	7440-38-2	MG/KG	53	53	0.756	5.48	MA-SS-3	0.67 (4.81)	2	3 (4.81)	2
Barium	7440-39-3	MG/KG	53	53	17.1	107	MA-SS-3	3000	0	44000	0
Beryllium	7440-41-7	MG/KG	53	53	0.51	1.5	SWMU15-SS-2	32	0	460	0
Cadmium	7440-43-9	MG/KG	53	44	0.0484	0.747	MA-SS-5	14	0	200	0
Chromium	7440-47-3	MG/KG	53	53	1.36	14.2	MA-SS-5	24000	0	100000	0
Cobalt	7440-48-4	MG/KG	53	53	0.879	5.07	MA-SS-6	4.6 (14.7)	0	70	0
Copper	7440-50-8	MG/KG	53	53	1.72	36.7	SWMU15-SBS-1	620	0	9400	0
Lead	7439-92-1	MG/KG	53	53	5.68	34.2	MA-SS-5	400	0	800	0
Mercury	7439-97-6	MG/KG	53	47	0.0119	0.152	SWMU13-SS-10	4.6	0	70	0
Nickel	7440-02-0	MG/KG	53	53	2	80.3	SWMU15-SS-5	300	0	4400	0
Selenium	7782-49-2	MG/KG	53	53	0.134	0.728	SWMU15-SS-2	78	0	1200	0
Silver	7440-22-4	MG/KG	53	13	0.306	36.5	MA-SS-2	78	0	1200	0
Thallium	7440-28-0	MG/KG	53	53	0.104	0.638	MA-SS-6	0.16	44	2.4	0
Tin	7440-31-5	MG/KG	53	53	2.57	4.5	MA-SS-5	9400	0	100000	0
Vanadium	7440-62-2	MG/KG	53	53	4	28.1	MA-SS-3	78	0	1200	0
Zinc	7440-66-6	MG/KG	53	53	9.89	236	MA-SS-5	4600	0	70000	0

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5
					Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5
					Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014
					Sample Purpose	FS	FS	DUP	FS	FS	FS
Volatile Organic Compounds											
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0100 J	0.0370	0.0390	0.0260	0.0280	0.0260
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00060	<0.00060	<0.00060	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		0.0040 J	0.0010 J	<0.0010	0.0010 J	<0.0010	0.0040 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	0.0020 J	0.0030 J
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0970	0.1500 J	<0.0190	<0.0980	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		0.0080 J	0.5500 J	3.2000 J	0.0050 J	0.7500	0.0860
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0250 J
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	0.28	0.32	<0.0190	0.32	0.082
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0970	0.3100	<0.0190	<0.0980	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		0.052	2.5000 J	4.9000 J	0.038	4	0.6
Acenaphthylene	208-96-8	MG/KG	700	9000		0.0150 J	1.5000 J	1.1	0.0120 J	0.37	0.093
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0350 J
Anthracene	120-12-7	MG/KG	3400	46000		0.15	9.1	12	0.11	8.8	1.5
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.51	22	32	0.42	19	5.1
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.66	22	32	0.53	20	6.3
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.38	11	11	0.3	7.9	2.9
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.25	9	9.5	0.22	6.4	1.8
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.49	17	18	0.39	14	4
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	0.4200 J
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0750	0.5000 J	<0.3900	<0.0760	<0.3900	0.48
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	0.1600 J
Chrysene	218-01-9	MG/KG	15	290		0.47	19	20	0.39	17	4.4
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.099	3.1000 J	3.5	0.06	3	0.84
Dibenzofuran	132-64-9	MG/KG	14	200		0.0280 J	1.2000 J	4.6000 J	<0.0190	2.2	0.28
Fluoranthene	206-44-0	MG/KG	460	6000		1	58	71	0.78	48	9.6
Fluorene	86-73-7	MG/KG	460	6000		0.058	4.1000 J	8.6000 J	0.039	4.4	0.58
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.33	10	11	0.25	8.1	2.8
Naphthalene	91-20-3	MG/KG	3.8	17		0.0170 J	0.6400 J	7.3000 J	0.0070 J	1.2	0.2
Phenanthrene	85-01-8	MG/KG	3400	46000		0.62	36	56	0.42	36	5.5
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		0.82	41	48	0.65	23	7.2
Dowtherm											
Biphenyl	92-52-4	MG/KG	9.4	40		0.1100	0.4300 J	0.9800 J	<0.0190	0.3300	0.8800
Diphenyl Ether	101-84-8	MG/KG	2700	19000		0.4800	0.5000	0.4100	0.0570	0.3000	3.8000

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5
					Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5
					Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014
					Sample Purpose	FS	FS	DUP	FS	FS	FS
Polychlorinated Biphenyls											
PCB 1248	12672-29-6	MG/KG	1.0	1.0		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	0.7000
PCB 1254	11097-69-1	MG/KG	1.0	1.0		0.0170 J	0.2400 J	0.1900 J	0.0120 J	0.0820	0.4300
PCB 1260	11096-82-5	MG/KG	1.0	1.0		0.00860 J	<0.00570	<0.0290	<0.00560	0.0220	0.1400
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94		0.393 J	0.859	0.619 J	1.52	0.491	5.83
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		1.31 J	2.95 J	2.84	5.48 J	3.10 J	2.64 J
Barium	7440-39-3	MG/KG	3000	44000		104	48.3	55.7	107	49.9	68.2
Beryllium	7440-41-7	MG/KG	32	460		0.902 J	1.14 J	1.26	1.00 J	1.26	1.28
Cadmium	7440-43-9	MG/KG	14	200		0.0891 J	0.395 J	0.302 J	0.252 J	0.483 J	0.747 J
Chromium	7440-47-3	MG/KG	24000	100000		6.27	12.3	11.8	9.71	8.28	14.2
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		2.46	2.99	3.24	4.04	3.06	3.70
Copper	7440-50-8	MG/KG	620	9400		8.26 J	14.1 J	13.8	18.8 J	9.88 J	30.8 J
Lead	7439-92-1	MG/KG	400	800		19.1 J	16.7 J	16.6	15.0 J	16.4 J	34.2 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0146 J	0.0607 J	0.0491 J	0.0239 J	0.0600 J	0.0541 J
Nickel	7440-02-0	MG/KG	300	4400		23.5	9.89	8.26	9.65	5.66	6.21
Selenium	7782-49-2	MG/KG	78	1200		0.251 J	0.586 J	0.501 J	0.715 J	0.594 J	0.424 J
Silver	7440-22-4	MG/KG	78	1200		0.536 J	36.5	34.5	5.47	21.7	6.57
Thallium	7440-28-0	MG/KG	0.16	2.4		0.336 J	0.350 J	0.320	0.488 J	0.372 J	0.341 J
Tin	7440-31-5	MG/KG	9400	100000		3.11 B	3.03 B	3.71 B	3.43 B	3.52 B	4.50 B
Vanadium	7440-62-2	MG/KG	78	1200		9.07	17.5	19.4	28.1	20.5	16.8
Zinc	7440-66-6	MG/KG	4600	70000		50.3 J	175 J	182 J	101 J	112 J	236 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-6	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2
					Field Sample ID	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2
					Date Sampled	12/02/2014	12/02/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		0.0010 J	0.0190	<0.00090	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0470	0.0520	0.0520	0.0570	0.1000
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00060	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	0.0050 J	<0.00090	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0050	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0030	<0.0020	<0.0020	0.0050 J
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	0.0250	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0190	<0.0200	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0190	<0.0200	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	0.0950	<0.0040	0.0230	0.0330
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0190	<0.0200	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	0.0200 J	<0.0190	<0.0200	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0190	<0.0200	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	0.31	0.0070 J	0.24	0.21
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	0.2	0.0120 J	0.023	0.036
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	0.0260 J	<0.0190	<0.0200	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		0.0060 J	0.92	0.0170 J	0.57	0.5
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.028	1.7	0.09	2.5	1.8
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.049	2	0.13	3	2.2
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.0190 J	0.95	0.064	1.5	1.1
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.0100 J	0.73	0.048	1.4	0.89
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.032	1.5	0.094	2.3	1.6
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.1900	<0.2000	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0770	<0.0770	<0.0760	<0.0810	<0.0790
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0770	<0.0770	<0.0760	<0.0810	<0.0790
Chrysene	218-01-9	MG/KG	15	290		0.026	1.5	0.095	2.4	1.7
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.0080 J	0.28	0.0150 J	0.47	0.27
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	0.26	<0.0190	0.085	0.094
Fluoranthene	206-44-0	MG/KG	460	6000		0.04	3.7	0.16	4.4	3.6
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	0.53	0.0090 J	0.26	0.24
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.023	0.93	0.059	1.5	1
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	0.19	0.0040 J	0.043	0.074
Phenanthrene	85-01-8	MG/KG	3400	46000		0.0180 J	3.2	0.073	2.6	2.2
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	0.0240 J	<0.0200	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		0.034	2.8	0.13	3.8	2.7
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	0.0350 J	<0.0190	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0190	<0.0200	<0.0200

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-6	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2
					Field Sample ID	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2
					Date Sampled	12/02/2014	12/02/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0		<0.00380	<0.00380			
PCB 1254	11097-69-1	MG/KG	1.0	1.0		<0.00380	0.0540			
PCB 1260	11096-82-5	MG/KG	1.0	1.0		<0.00560	0.0280			
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		0.148 J	0.171 J	<0.0958 UJ	0.191 J	<0.100 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		2.42 J	2.09 J	1.39	4.90 J	2.69
Barium	7440-39-3	MG/KG	3000	44000		51.3	45.3	29.5	30.1	85.4
Beryllium	7440-41-7	MG/KG	32	460		1.29	1.29	0.921 J	0.745 J	1.12 J
Cadmium	7440-43-9	MG/KG	14	200		<0.0373	0.0994 J	0.0919 J	0.156 J	0.154 J
Chromium	7440-47-3	MG/KG	24000	100000		4.13	4.50	3.63	12.2	9.12
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		5.07	3.51	1.95	1.76	4.56
Copper	7440-50-8	MG/KG	620	9400		6.22 J	21.3 J	3.96	8.69	6.36
Lead	7439-92-1	MG/KG	400	800		11.6 J	12.6 J	8.89 J	20.8 J	18.8 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0137 J	0.0350 J	0.0277 J	0.152 J	0.0458 J
Nickel	7440-02-0	MG/KG	300	4400		5.37	2.98	12.8	41.3	26.9
Selenium	7782-49-2	MG/KG	78	1200		0.691 J	0.534 J	0.275 J	0.528 J	0.461 J
Silver	7440-22-4	MG/KG	78	1200		<0.215	7.47	<0.216	<0.231	<1.13
Thallium	7440-28-0	MG/KG	0.16	2.4		0.638 J	0.407 J	0.156 J	0.234 J	0.190 J
Tin	7440-31-5	MG/KG	9400	100000		2.94 B	3.13 B	2.78 B	3.99 B	3.76 B
Vanadium	7440-62-2	MG/KG	78	1200		18.9	13.8	9.59	20.7	20.2
Zinc	7440-66-6	MG/KG	4600	70000		48.7 J	72.6 J	20.4	15.3	21.8

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
					Field Sample ID	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	DUP	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.00090	<0.00090	<0.0010	<0.0010	0.0250
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0770	0.0600	0.0350	0.0390	0.0280
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		0.0010 J	0.00090 J	0.0010 J	<0.0010	0.0020 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.00090	<0.00090	<0.0010	<0.0010	0.0020 J
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		0.0040 J	<0.0040	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.00090	<0.00090	<0.0010	<0.0010	0.0040 J
Toluene	108-88-3	MG/KG	820	820		<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.00090	<0.00090	<0.0010	<0.0010	0.0020 J
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.00090	<0.00090	<0.0010	<0.0010	0.0130
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	0.0040 J
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	0.053
Acenaphthylene	208-96-8	MG/KG	700	9000		0.0040 J	<0.0040	<0.0040	<0.0040	0.0120 J
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	<0.0040	0.14
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.0160 J	0.0120 J	0.0100 J	0.0140 J	0.82
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.032	0.023	0.022	0.034	1.3
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.0140 J	0.0150 J	0.0150 J	0.02	0.64
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.0120 J	0.0120 J	0.0110 J	0.0120 J	0.43
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.024	0.0180 J	0.0190 J	0.021	0.86
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Chrysene	218-01-9	MG/KG	15	290		0.0160 J	0.0120 J	0.0100 J	0.0150 J	0.9
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.0070 J	0.0060 J	0.0050 J	0.0070 J	0.15
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		0.0140 J	0.0100 J	0.0080 J	0.0180 J	1.6
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	<0.0040	<0.0040	0.051
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.0130 J	0.0150 J	0.0130 J	0.02	0.61
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	0.0090 J
Phenanthrene	85-01-8	MG/KG	3400	46000		0.0050 J	<0.0040	0.0040 J	0.0070 J	0.68
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		0.0140 J	0.0090 J	0.0080 J	0.0170 J	1.3
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	<0.0190	<0.0190	<0.0200	0.0740
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0190	<0.0200	0.1100

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
					Field Sample ID	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	DUP	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0975 UJ	<0.0942 UJ	0.110 J	<0.0969 UJ	0.306 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		2.85	2.77	2.60	2.49	1.60
Barium	7440-39-3	MG/KG	3000	44000		18.4	17.2	24.5	29.3	40.5
Beryllium	7440-41-7	MG/KG	32	460		0.547 J	0.510 J	0.656 J	0.708 J	0.765 J
Cadmium	7440-43-9	MG/KG	14	200		0.0589 J	0.0714 J	0.0627 J	0.0998 J	0.0920 J
Chromium	7440-47-3	MG/KG	24000	100000		10.1	9.59	8.98	9.12	5.70
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		1.22	1.21	1.47	1.56	2.38
Copper	7440-50-8	MG/KG	620	9400		5.26	4.77	4.91	5.28	5.42
Lead	7439-92-1	MG/KG	400	800		10.7 J	9.85 J	10.8 J	12.5 J	11.0 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0586 J	0.0484 J	0.0632 J	0.0556 J	0.0307 J
Nickel	7440-02-0	MG/KG	300	4400		20.2	15.1	24.4	12.0	30.1
Selenium	7782-49-2	MG/KG	78	1200		0.439 J	0.367 J	0.281 J	0.374 J	0.267 J
Silver	7440-22-4	MG/KG	78	1200		<0.219	<0.212	<0.221	<0.218	0.506 J
Thallium	7440-28-0	MG/KG	0.16	2.4		0.155 J	0.139 J	0.154 J	0.194 J	0.151 J
Tin	7440-31-5	MG/KG	9400	100000		3.22 B	2.97 B	3.38 B	3.22 B	2.86 B
Vanadium	7440-62-2	MG/KG	78	1200		21.1	19.7	18.6	20.1	13.2
Zinc	7440-66-6	MG/KG	4600	70000		14.9	14.6	14.2	17.0	26.2

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10
					Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
Acetone	67-64-1	MG/KG	12000	100000		0.0550	0.0290	0.0760	0.0160 J	0.0260
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00050	<0.00060	<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0040	<0.0050	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		0.0090	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		0.0080	<0.0010	<0.0010	<0.0010	<0.00090
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090
Trichloroethene	79-01-6	MG/KG	0.82	3.8		0.0030 J	0.0010 J	<0.0010	<0.0010	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		0.0170 J	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		0.042	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.17	0.0170 J	0.02	0.0100 J	0.0050 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.24	0.029	0.035	0.0120 J	0.0150 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.12	0.0140 J	0.0190 J	0.0080 J	0.0150 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.082	0.0130 J	0.0120 J	0.0070 J	0.0060 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.17	0.0170 J	0.023	0.0100 J	0.0140 J
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790
Chrysene	218-01-9	MG/KG	15	290		0.16	0.021	0.021	0.0090 J	0.0090 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.028	0.0050 J	0.0090 J	0.0050 J	0.0050 J
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		0.34	0.04	0.037	0.0110 J	<0.0040
Fluorene	86-73-7	MG/KG	460	6000		0.0180 J	<0.0040	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.11	0.0110 J	0.0170 J	0.0080 J	0.0120 J
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		0.18	0.0170 J	0.0160 J	0.0050 J	<0.0040
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		0.26	0.034	0.032	0.0110 J	0.0050 J
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	0.0380 J	<0.0190	<0.0190	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	0.0630	<0.0190	<0.0190	<0.0200

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10
					Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0997 UJ	0.271 J	<0.0971 R	<0.0959 R	0.173 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		2.04	2.08 J	2.11 J	2.59 J	3.90 J
Barium	7440-39-3	MG/KG	3000	44000		23.2	34.9	85.1	74.6	26.0
Beryllium	7440-41-7	MG/KG	32	460		0.962 J	0.827 J	0.676 J	1.27	0.757 J
Cadmium	7440-43-9	MG/KG	14	200		0.150 J	0.0885 J	0.118 J	0.108 J	0.126 J
Chromium	7440-47-3	MG/KG	24000	100000		6.24	5.30	5.47	2.45 J	9.34
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		2.27	2.57	4.87	2.66	1.92
Copper	7440-50-8	MG/KG	620	9400		4.48	4.94	8.56	2.77	5.02
Lead	7439-92-1	MG/KG	400	800		11.7 J	12.4 J	17.9 J	9.07 J	15.9 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0471 J	0.0335 J	0.0404 J	<0.0112	0.0474 J
Nickel	7440-02-0	MG/KG	300	4400		36.0	19.1	14.0	18.4	11.7
Selenium	7782-49-2	MG/KG	78	1200		0.399 J	0.371 J	0.406 J	0.474 J	0.533 J
Silver	7440-22-4	MG/KG	78	1200		<0.224	0.338 J	<0.218	<0.216	<0.226
Thallium	7440-28-0	MG/KG	0.16	2.4		0.233 J	0.190 J	0.104 J	0.444 J	0.278 J
Tin	7440-31-5	MG/KG	9400	100000		3.83 B	3.05 B	2.75 B	2.82 B	3.56 B
Vanadium	7440-62-2	MG/KG	78	1200		15.2	12.2	13.0	12.1	24.0
Zinc	7440-66-6	MG/KG	4600	70000		22.3	21.7	16.3	26.2	16.6

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-2	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6
					Field Sample ID	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6
					Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0150 J	<0.0080	0.0170 J	0.0120 J	0.0100 J
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00060	<0.00060	<0.00050	<0.00070
Carbon Disulfide	75-15-0	MG/KG	150	700		0.0020 J	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0050	<0.0050	<0.0040	<0.0060
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	0.0080 J	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.0040 J	0.0080 J	0.0090 J	0.0060 J	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.0080 J	0.0150 J	0.0140 J	0.0100 J	0.0050 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.0070 J	0.0080 J	0.0100 J	0.0080 J	0.0050 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.0050 J	0.0050 J	0.0080 J	0.0060 J	<0.0040
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.0060 J	0.0110 J	0.0120 J	0.0090 J	0.0050 J
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1800	<0.2000	<0.2200	<0.2100	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0740	<0.0800	<0.0860	<0.0820	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0740	<0.0800	<0.0860	<0.0820	<0.0800
Chrysene	218-01-9	MG/KG	15	290		0.0050 J	0.0100 J	0.0080 J	0.0050 J	<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		<0.0040	0.0050 J	<0.0040	<0.0040	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		0.0040 J	0.0120 J	0.0150 J	0.0080 J	<0.0040
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	0.0070 J	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.0050 J	0.0070 J	0.0090 J	0.0070 J	0.0050 J
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		<0.0040	0.0080 J	0.0120 J	0.0070 J	<0.0040
Phenol	108-95-2	MG/KG	3600	50000		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		<0.0040	0.0120 J	0.0130 J	0.0080 J	<0.0040
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0180	<0.0200	<0.0220	<0.0210	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0180	<0.0200	0.0330 J	<0.0210	<0.0200

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-2	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6
					Field Sample ID	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6
					Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0932 R	0.100 J	<0.107 R	<0.101 R	<0.102 R
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		1.57 J	1.61 J	1.72 J	1.48 J	1.11 J
Barium	7440-39-3	MG/KG	3000	44000		85.3	44.6	45.2	47.0	25.8
Beryllium	7440-41-7	MG/KG	32	460		1.44	0.881 J	0.926 J	0.910 J	0.583 J
Cadmium	7440-43-9	MG/KG	14	200		0.0872 J	0.0817 J	0.0966 J	0.0768 J	0.0638 J
Chromium	7440-47-3	MG/KG	24000	100000		2.56 J	3.07 J	3.28 J	2.73 J	3.97
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		2.43	2.24	2.66	2.37	1.85
Copper	7440-50-8	MG/KG	620	9400		1.72 J	3.06	3.54	2.84	2.58
Lead	7439-92-1	MG/KG	400	800		5.72 J	9.94 J	8.82 J	7.57 J	5.68 J
Mercury	7439-97-6	MG/KG	4.6	70		<0.0107	0.0124 J	<0.0128	0.0119 J	0.0180 J
Nickel	7440-02-0	MG/KG	300	4400		39.1	17.4	6.13	6.31	7.08
Selenium	7782-49-2	MG/KG	78	1200		0.366 J	0.256 J	0.376 J	0.319 J	0.134 J
Silver	7440-22-4	MG/KG	78	1200		<0.210	<0.225	<0.241	<0.228	<0.229
Thallium	7440-28-0	MG/KG	0.16	2.4		0.471 J	0.301 J	0.404 J	0.311 J	0.169 J
Tin	7440-31-5	MG/KG	9400	100000		2.60 B	2.94 B	3.24 B	2.85 B	3.82 B
Vanadium	7440-62-2	MG/KG	78	1200		12.0	12.3	13.7	12.9	13.6
Zinc	7440-66-6	MG/KG	4600	70000		24.4	22.1	19.3	19.8	14.8

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2
					Field Sample ID	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2
					Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/04/2014	12/05/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
Acetone	67-64-1	MG/KG	12000	100000		0.0200	0.0250	0.0250	0.0320	0.0360
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050	0.0010 J	<0.00040
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.00080
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	0.0010 J	<0.00080
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0200	<0.0210	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0200	<0.0210	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	0.1600	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0200	<0.0210	<0.0200	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0200	<0.0210	0.084	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0200	<0.0210	0.0230 J	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	1.1	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	0.036	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0200	<0.0210	<0.0200	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	3.1	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		<0.0040	<0.0040	0.0050 J	6.8	0.019
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.0060 J	0.0060 J	0.0080 J	7.7	0.022
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.0060 J	0.0060 J	0.0080 J	4.2	0.0140 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		<0.0040	0.0040 J	0.0050 J	2.8	0.0090 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.0060 J	0.0060 J	0.0070 J	6	0.0170 J
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.2000	<0.2100	<0.2000	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0790	<0.0790	<0.0820	<0.0820	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0790	<0.0790	<0.0820	<0.0820	<0.0760
Chrysene	218-01-9	MG/KG	15	290		<0.0040	0.0040 J	0.0060 J	6.1	0.0170 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		<0.0040	<0.0040	<0.0040	1.2	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0200	<0.0210	0.52	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		<0.0040	0.0060 J	0.0070 J	15	0.022
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	<0.0040	1.2	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.0050 J	0.0050 J	0.0060 J	3.9	0.0130 J
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	0.45	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		<0.0040	0.0050 J	0.0050 J	9.7	0.0090 J
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0200	<0.0210	<0.0200	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		<0.0040	0.0060 J	0.0080 J	11	0.02
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	<0.0200	<0.0210	0.0820	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	<0.0200	<0.0210	0.0630	<0.0190

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2
					Field Sample ID	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2
					Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/04/2014	12/05/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0974 R	<0.0978 R	0.130 J	2.10	<0.0929
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		1.84 J	2.00 J	2.27 J	2.22 J	1.34 J
Barium	7440-39-3	MG/KG	3000	44000		54.6	31.2	49.3	49.8	28.5
Beryllium	7440-41-7	MG/KG	32	460		1.24	0.840 J	1.09 J	1.08 J	1.00 J
Cadmium	7440-43-9	MG/KG	14	200		0.133 J	0.0915 J	0.0940 J	0.290 J	<0.0363
Chromium	7440-47-3	MG/KG	24000	100000		4.71	4.72	3.78	8.70	3.35
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		3.61	2.49	2.50	3.43	1.92
Copper	7440-50-8	MG/KG	620	9400		3.65	3.37	3.40	36.7 J	2.99 J
Lead	7439-92-1	MG/KG	400	800		9.53 J	11.7 J	11.0 J	30.1 J	14.0 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0289 J	0.0258 J	0.0163 J	0.0490 J	0.0276 J
Nickel	7440-02-0	MG/KG	300	4400		15.3	18.3	8.94	7.95	2.72
Selenium	7782-49-2	MG/KG	78	1200		0.385 J	0.316 J	0.392 J	0.352 J	0.236 J
Silver	7440-22-4	MG/KG	78	1200		<0.219	<0.220	<0.229	2.68	<0.209
Thallium	7440-28-0	MG/KG	0.16	2.4		0.326 J	0.242 J	0.341 J	0.337 J	0.228 J
Tin	7440-31-5	MG/KG	9400	100000		4.18 B	3.10 B	3.07 B	3.94 B	3.25 B
Vanadium	7440-62-2	MG/KG	78	1200		20.9	15.6	14.7	23.4	8.35
Zinc	7440-66-6	MG/KG	4600	70000		28.2	21.5	23.3	157 J	18.1 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.


DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)


 Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2
					Field Sample ID	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2
					Date Sampled	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014
					Sample Purpose	DUP	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0410	0.0180 J	0.0230	0.0230	0.0190 J
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00040	<0.00060	<0.00050	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.00090	0.0010 J	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.00090	<0.0010	<0.0010	0.0020 J	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	0.0280	<0.0040	0.0300	0.0180 J
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	0.047	<0.0040	0.13	0.075
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	0.0090 J	0.0130 J
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	0.033	<0.0040	0.29	0.21
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.0130 J	0.026	0.0060 J	0.65	0.6
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.019	0.024	0.0070 J	0.71	0.77
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.0130 J	0.0130 J	0.0040 J	0.35	0.34
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.0070 J	0.0150 J	0.0060 J	0.28	0.22
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		0.0170 J	0.0180 J	0.0050 J	0.55	0.52
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.2100	<0.2000	<0.1900	<0.2100
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0760	<0.0840	<0.0820	<0.0770	<0.0840
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0760	<0.0840	<0.0820	<0.0770	<0.0840
Chrysene	218-01-9	MG/KG	15	290		0.0110 J	0.026	0.0060 J	0.53	0.5
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.0050 J	0.0050 J	<0.0040	0.11	0.11
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	0.0330 J	<0.0200	0.073	0.043
Fluoranthene	206-44-0	MG/KG	460	6000		0.0100 J	0.084	<0.0040	1.2	1.1
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	0.036	<0.0040	0.16	0.095
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.0110 J	0.0110 J	<0.0040	0.33	0.32
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	0.0180 J	<0.0040	0.078	0.041
Phenanthrene	85-01-8	MG/KG	3400	46000		<0.0040	0.12	<0.0040	0.9	0.66
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0210	<0.0200	<0.0190	<0.0210
Pyrene	129-00-0	MG/KG	340	4600		0.0120 J	0.065	0.0050 J	0.97	0.86
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	<0.0210	<0.0200	0.0200 J	<0.0210
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0210	<0.0200	0.0220 J	<0.0210

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2
					Field Sample ID	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2
					Date Sampled	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014
					Sample Purpose	DUP	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0924 UJ	<0.105 UJ	<0.104 UJ	0.598	1.29
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		1.18	1.12	1.07	1.31 J	2.07 J
Barium	7440-39-3	MG/KG	3000	44000		27.8	57.6	54.9	59.4	51.8
Beryllium	7440-41-7	MG/KG	32	460		1.00 J	1.11 J	1.06 J	1.22	1.50
Cadmium	7440-43-9	MG/KG	14	200		<0.0361	0.0909 J	0.0780 J	0.0484 J	0.0831 J
Chromium	7440-47-3	MG/KG	24000	100000		2.80 J	4.16	4.07	6.16	10.8
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		1.91	3.84	3.74	3.74	3.46
Copper	7440-50-8	MG/KG	620	9400		2.47	2.88	2.86	15.4 J	18.6 J
Lead	7439-92-1	MG/KG	400	800		12.1	9.55 J	9.02 J	15.9 J	18.0 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0223 J	<0.0121	<0.0123	0.0319 J	0.0369 J
Nickel	7440-02-0	MG/KG	300	4400		2.00 J	4.02	3.80	47.2	38.6
Selenium	7782-49-2	MG/KG	78	1200		0.219 J	0.252 J	0.236 J	0.351 J	0.728 J
Silver	7440-22-4	MG/KG	78	1200		<0.208	<0.237	<0.235	<0.219	0.306 J
Thallium	7440-28-0	MG/KG	0.16	2.4		0.198 J	0.360	0.318	0.328 J	0.442 J
Tin	7440-31-5	MG/KG	9400	100000		3.14 B	2.85 B	2.89 B	3.30 B	4.17 B
Vanadium	7440-62-2	MG/KG	78	1200		8.50	13.6	15.2	15.8	24.0
Zinc	7440-66-6	MG/KG	4600	70000		16.5 J	30.7	29.5	130 J	103 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SS-3	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10
					Field Sample ID	SSP14-SWMU15-SS-3	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10
					Date Sampled	12/04/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0630	<0.0010	<0.0010	<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0630	<0.0010	<0.0010	<0.0010	
Acetone	67-64-1	MG/KG	12000	100000		<0.4400	0.0230	0.0130 J	0.0320	
Benzene	71-43-2	MG/KG	1.2	5.1		<0.0310	<0.00050	<0.00050	<0.00050	
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0630	<0.0010	0.0020 J	<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0630	<0.0010	<0.0010	<0.0010	
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0630	<0.0010	<0.0010	<0.0010	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.2500	<0.0040	<0.0040	<0.0040	
Methylene Chloride	75-09-2	MG/KG	57	640		<0.1300	<0.0020	<0.0020	<0.0020	
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0630	<0.0010	<0.0010	<0.0010	
Toluene	108-88-3	MG/KG	820	820		<0.0630	<0.0010	<0.0010	<0.0010	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0630	<0.0010	<0.0010	<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0630	<0.0010	<0.0010	<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.1300	<0.0020	<0.0020	<0.0020	
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		0.0070 J	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		0.038	0.0090 J	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		0.0050 J	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		0.1	0.029	<0.0040	<0.0040	0.0070 J
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.37	0.11	0.0110 J	0.0070 J	0.03
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.44	0.15	0.025	0.02	0.044
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.23	0.073	0.0170 J	0.0160 J	0.021
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.17	0.048	0.0080 J	0.0060 J	0.0160 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.33	0.1	0.019	0.0140 J	0.028
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0800	<0.0780	<0.0760	<0.0780	<0.0770
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0800	<0.0780	<0.0760	<0.0780	<0.0770
Chrysene	218-01-9	MG/KG	15	290		0.3	0.092	0.0120 J	0.0080 J	0.03
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.068	0.023	0.0050 J	0.0050 J	0.0060 J
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		0.68	0.19	0.019	0.0110 J	0.064
Fluorene	86-73-7	MG/KG	460	6000		0.038	0.0100 J	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.22	0.068	0.0140 J	0.0130 J	0.0180 J
Naphthalene	91-20-3	MG/KG	3.8	17		0.0090 J	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		0.37	0.11	0.0100 J	0.0060 J	0.03
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		0.53	0.15	0.0170 J	0.0110 J	0.055
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SS-3	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10
					Field Sample ID	SSP14-SWMU15-SS-3	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10
					Date Sampled	12/04/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		0.274 J	<0.100	<0.0961	0.129 J	0.194 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		1.55 J	1.34 J	1.26 J	1.32 J	1.10
Barium	7440-39-3	MG/KG	3000	44000		57.9	58.9	53.5	33.5	66.4
Beryllium	7440-41-7	MG/KG	32	460		1.12 J	1.05 J	0.920 J	0.831 J	1.02 J
Cadmium	7440-43-9	MG/KG	14	200		<0.0388	<0.0391	<0.0376	0.112 J	0.139 J
Chromium	7440-47-3	MG/KG	24000	100000		4.12	3.12 J	3.11 J	1.82 J	3.46
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		4.42	4.19	4.06	1.09 J	2.06
Copper	7440-50-8	MG/KG	620	9400		7.48 J	3.44 J	3.56 J	2.59	3.16
Lead	7439-92-1	MG/KG	400	800		16.6 J	13.3 J	12.0 J	16.0 J	7.15 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0262 J	0.0192 J	0.0186 J	0.0185 J	<0.0116
Nickel	7440-02-0	MG/KG	300	4400		14.9	22.3	80.3	12.7	67.2
Selenium	7782-49-2	MG/KG	78	1200		0.314 J	0.360 J	0.293 J	0.346 J	0.186 J
Silver	7440-22-4	MG/KG	78	1200		<0.224	<0.225	<0.216	<0.215	<0.216
Thallium	7440-28-0	MG/KG	0.16	2.4		0.445 J	0.373 J	0.364 J	0.231 J	0.214 J
Tin	7440-31-5	MG/KG	9400	100000		3.06 B	3.06 B	2.57 B	3.30 B	2.88 B
Vanadium	7440-62-2	MG/KG	78	1200		17.6	15.3	13.8	6.36	11.3
Zinc	7440-66-6	MG/KG	4600	70000		50.1 J	41.4 J	32.5 J	13.2	28.6

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5
					Field Sample ID	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5
					Date Sampled	02/10/2015	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0220 J	0.0220	0.0170 J	0.0230	0.0450
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	0.0010 J	0.0020 J	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		0.0020 J	<0.0010	<0.0010	<0.0010	0.0040 J
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50			<0.0190	<0.0190	<0.0180	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200			<0.0190	<0.0190	<0.0180	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600			0.0090 J	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200			<0.0190	<0.0190	<0.0180	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0190	<0.0190	<0.0180	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000			<0.0190	<0.0190	<0.0180	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000			0.0100 J	0.0040 J	0.0050 J	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000			0.02	0.0080 J	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500			<0.0190	<0.0190	<0.0180	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000			0.034	0.0090 J	0.0090 J	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9			0.13	0.061	0.046	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9			0.19	0.1	0.072	<0.0040
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600			0.1	0.056	0.038	<0.0040
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29			0.08	0.036	0.025	<0.0040
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29			0.14	0.073	0.049	<0.0040
Benzyl Alcohol	100-51-6	MG/KG	1200	16000			<0.1900	<0.1900	<0.1800	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160			<0.0770	<0.0740	<0.0740	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200			<0.0770	<0.0740	<0.0740	<0.0760
Chrysene	218-01-9	MG/KG	15	290			0.13	0.059	0.043	<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29			0.023	0.0130 J	0.0110 J	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200			<0.0190	<0.0190	<0.0180	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000			0.27	0.11	0.088	<0.0040
Fluorene	86-73-7	MG/KG	460	6000			0.0170 J	0.0040 J	0.0040 J	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9			0.096	0.049	0.035	<0.0040
Naphthalene	91-20-3	MG/KG	3.8	17			0.022	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000			0.13	0.04	0.045	<0.0040
Phenol	108-95-2	MG/KG	3600	50000			<0.0190	<0.0190	<0.0180	<0.0190
Pyrene	129-00-0	MG/KG	340	4600			0.21	0.095	0.076	<0.0040
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40			<0.0190	<0.0190	<0.0180	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0190	<0.0190	<0.0180	<0.0190

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5
					Field Sample ID	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5
					Date Sampled	02/10/2015	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94			0.132 J	<0.0948 R	0.294 J	0.310 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)			1.08 J	0.824 J	1.56 J	1.64 J
Barium	7440-39-3	MG/KG	3000	44000			23.2	41.1	35.0	17.1
Beryllium	7440-41-7	MG/KG	32	460			0.617 J	0.726 J	0.611 J	0.662 J
Cadmium	7440-43-9	MG/KG	14	200			0.0980 J	0.0730 J	0.121 J	0.0798 J
Chromium	7440-47-3	MG/KG	24000	100000			2.84 J	1.36 J	5.33	3.24 J
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70			0.879 J	0.891 J	2.46	0.974 J
Copper	7440-50-8	MG/KG	620	9400			3.05	2.19 J	4.58	2.26
Lead	7439-92-1	MG/KG	400	800			12.1 J	11.1 J	11.4 J	10.7 J
Mercury	7439-97-6	MG/KG	4.6	70			0.0232 J	0.0154 J	0.0129 J	0.0222 J
Nickel	7440-02-0	MG/KG	300	4400			32.7	32.8	65.2	25.1
Selenium	7782-49-2	MG/KG	78	1200			0.313 J	0.178 J	0.180 J	0.321 J
Silver	7440-22-4	MG/KG	78	1200			<0.217	<0.213	<0.208	<0.210
Thallium	7440-28-0	MG/KG	0.16	2.4			0.155 J	0.137 J	0.213 J	0.164 J
Tin	7440-31-5	MG/KG	9400	100000			3.27 B	3.24 B	2.98 B	3.23 B
Vanadium	7440-62-2	MG/KG	78	1200			7.91	4.00	12.4	8.18
Zinc	7440-66-6	MG/KG	4600	70000			13.0	9.89	18.7	13.6

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
					Field Sample ID	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
					Date Sampled	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0190	0.0440	0.0230	0.0290	0.0850
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00030	<0.00060	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		0.0010 J	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.00060	<0.0010	<0.0010	<0.0010	0.0100
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0030	<0.0050	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0010	<0.0020	<0.0020	0.0100	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.00060	0.0020 J	<0.0010	0.0860	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.00060	<0.0010	<0.0010	<0.0010	0.0020 J
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.00060	0.0030 J	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0050	<0.0040	<0.0040	<0.0040	<0.0390
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0050	<0.0040	0.0170 J	<0.0040	<0.0390
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0050	<0.0040	0.0050 J	<0.0040	<0.0390
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Anthracene	120-12-7	MG/KG	3400	46000		<0.0050	<0.0040	0.044	0.0040 J	<0.0390
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		<0.0050	0.0100 J	0.15	0.0110 J	0.0860 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		<0.0050	0.0160 J	0.22	0.0190 J	0.1600 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		<0.0050	0.0090 J	0.11	0.0100 J	0.1200 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		<0.0050	0.0080 J	0.078	0.0080 J	0.0520 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		<0.0050	0.0100 J	0.14	0.0130 J	0.1300 J
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Chrysene	218-01-9	MG/KG	15	290		<0.0050	0.0130 J	0.15	0.0120 J	0.0830 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		<0.0050	<0.0040	0.031	<0.0040	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Fluoranthene	206-44-0	MG/KG	460	6000		<0.0050	0.023	0.32	0.022	0.0900 J
Fluorene	86-73-7	MG/KG	460	6000		<0.0050	<0.0040	0.0170 J	<0.0040	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		<0.0050	0.0080 J	0.1	0.0100 J	0.1000 J
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0050	<0.0040	0.0040 J	<0.0040	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000		<0.0050	0.0080 J	0.18	0.0130 J	<0.0390
Phenol	108-95-2	MG/KG	3600	50000		<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Pyrene	129-00-0	MG/KG	340	4600		<0.0050	0.023	0.26	0.0190 J	0.1000 J
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0230	<0.0190	<0.0190	<0.0190	0.2200 J
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0230	<0.0190	<0.0190	<0.0190	0.4500

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
					Field Sample ID	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
					Date Sampled	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		0.225 J	0.371 J	<0.0952 UJ	0.100 J	2.39
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		2.05 J	1.71 J	0.756 J	0.946	1.94 J
Barium	7440-39-3	MG/KG	3000	44000		41.3	62.5	43.3	42.7	37.4
Beryllium	7440-41-7	MG/KG	32	460		1.15 J	1.15	0.876 J	0.877 J	1.21
Cadmium	7440-43-9	MG/KG	14	200		0.0703 J	0.185 J	0.0789 J	0.119 J	<0.0377
Chromium	7440-47-3	MG/KG	24000	100000		4.22	5.18	2.01 J	1.95 J	6.42
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		2.71	3.64	1.45	1.04 J	2.65
Copper	7440-50-8	MG/KG	620	9400		3.12	3.41	3.10	2.91	3.83 J
Lead	7439-92-1	MG/KG	400	800		14.9 J	15.1 J	9.43 J	12.0 J	18.3 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0216 J	0.0254 J	0.0173 J	0.0169 J	0.0362 J
Nickel	7440-02-0	MG/KG	300	4400		13.9	18.9	13.2	16.5	20.5
Selenium	7782-49-2	MG/KG	78	1200		0.350 J	0.327 J	0.242 J	0.220 J	0.362 J
Silver	7440-22-4	MG/KG	78	1200		<0.252	<0.215	<0.214	<0.214	<0.217
Thallium	7440-28-0	MG/KG	0.16	2.4		0.274 J	0.255 J	0.145 J	0.167 J	0.277 J
Tin	7440-31-5	MG/KG	9400	100000		3.71 B	3.27 B	3.20 B	3.25 B	3.54 B
Vanadium	7440-62-2	MG/KG	78	1200		9.43	18.2	8.73	7.26	17.2
Zinc	7440-66-6	MG/KG	4600	70000		13.9	27.5	18.2	15.2	31.2 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
					Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
					Date Sampled	12/03/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS
Volatile Organic Compounds								
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.00090	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		0.0370	0.0320	0.0270
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.00090	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	0.0200	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	0.0200 J	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	0.2200
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		0.0080 J	0.0040 J	0.0070 J
Acenaphthylene	208-96-8	MG/KG	700	9000		0.0050 J	0.029	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		0.0160 J	0.024	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		0.07	0.19	0.0070 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		0.11	0.25	0.0090 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		0.063	0.13	0.0070 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		0.042	0.1	0.0070 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29		0.079	0.17	0.0070 J
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0780	<0.0750	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0780	<0.0750	<0.0780
Chrysene	218-01-9	MG/KG	15	290		0.075	0.18	0.0090 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		0.0150 J	0.036	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	<0.0190	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		0.14	0.22	0.0070 J
Fluorene	86-73-7	MG/KG	460	6000		0.0090 J	0.0080 J	0.0060 J
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		0.055	0.12	0.0060 J
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	0.0160 J	0.045
Phenanthrene	85-01-8	MG/KG	3400	46000		0.066	0.052	0.0170 J
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		0.11	0.23	0.0110 J
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG	9.4	40		0.0380 J	0.0800	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		0.0940	0.0640	<0.0200

Table 6B
Constituents of Potential Concern in Discrete 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
					Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
					Date Sampled	12/03/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS
Polychlorinated Biphenyls								
PCB 1248	12672-29-6	MG/KG	1.0	1.0				
PCB 1254	11097-69-1	MG/KG	1.0	1.0				
PCB 1260	11096-82-5	MG/KG	1.0	1.0				
Inorganics								
Antimony	7440-36-0	MG/KG	6.2	94		0.705 J	1.02 J	<0.0959 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		0.928	1.41	1.34
Barium	7440-39-3	MG/KG	3000	44000		38.7	39.4	45.9
Beryllium	7440-41-7	MG/KG	32	460		0.842 J	1.30	1.00 J
Cadmium	7440-43-9	MG/KG	14	200		<0.0371	<0.0364	0.123 J
Chromium	7440-47-3	MG/KG	24000	100000		4.97	5.93	6.40
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		2.06	2.99	2.09
Copper	7440-50-8	MG/KG	620	9400		2.67	3.53	5.34
Lead	7439-92-1	MG/KG	400	800		12.6	16.3	16.5 J
Mercury	7439-97-6	MG/KG	4.6	70		0.0254 J	0.0313 J	0.0205 J
Nickel	7440-02-0	MG/KG	300	4400		16.8	59.0	3.97
Selenium	7782-49-2	MG/KG	78	1200		0.197 J	0.288 J	0.251 J
Silver	7440-22-4	MG/KG	78	1200		0.858 J	0.520 J	<0.216
Thallium	7440-28-0	MG/KG	0.16	2.4		0.204 J	0.294	0.307
Tin	7440-31-5	MG/KG	9400	100000		3.08 B	3.65 B	3.17 B
Vanadium	7440-62-2	MG/KG	78	1200		10.3	14.9	11.6
Zinc	7440-66-6	MG/KG	4600	70000		25.2 J	32.8 J	26.2

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.


DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)


 Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 7
Constituents of Potential Concern in ISM 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Preliminary Soil Remediation Goal (PSRG)		Site-Specific Background	Units	95% UCL									
	Residential	Non-Residential			DU-1	DU-2	DU-3	DU-4	DU-5	DU-6	DU-7	DU-8	DU-9	DU-10
1,1-Dichloroethene	4.6E+01	2.0E+02		MG/KG				1.03E-01						
Trichlorofluoromethane	1.5E+02	6.2E+02		MG/KG			3.23E-01	8.00E-01		4.17E-01	5.67E-01			
Xylenes	1.2E+02	2.6E+02		MG/KG		2.44E-01				8.85E-02				
2,4-Dimethylphenol	2.4E+02	3.2E+03		MG/KG						1.89E-01				
2-Methylnaphthalene	4.6E+01	6.0E+02		MG/KG		1.96E-02	5.90E-02	6.83E-02	3.56E-02	4.20E+00	7.72E-02	1.42E-01		
2-Methylphenol (O-Cresol)	6.2E+02	8.2E+03		MG/KG						1.64E-01				
3-Methylcholanthrene	5.4E-03	1.0E-01		MG/KG						2.60E-01		1.14E-01		
4-Methylphenol (P-Cresol)	1.2E+03	1.6E+04		MG/KG						4.21E-01				
Acenaphthene	7.0E+02	9.0E+03		MG/KG	9.15E-03	1.16E-01	3.50E-01	3.04E-01	1.08E-01	6.95E+00	3.35E-01	8.41E-01	9.15E-03	1.27E-02
Acenaphthylene	7.0E+02	9.0E+03		MG/KG	1.38E-02	3.10E-02	3.46E-01	7.62E-02	6.83E-02	1.21E+00	1.99E-01	1.47E-02	9.15E-03	0.00E+00
Acetophenone	1.6E+03	2.5E+03		MG/KG				2.90E-02		4.08E-02	3.54E-02			
Anthracene	3.4E+03	4.6E+04		MG/KG	1.19E-02	4.14E-01	9.97E-01	8.93E-01	3.08E-01	1.61E+01	1.11E+00	2.36E+00	2.88E-02	2.64E-02
Benzo(A)Anthracene	1.5E-01	2.9E+00		MG/KG	2.76E-02	1.27E+00	2.90E+00	2.27E+00	8.93E-01	2.55E+01	3.16E+00	6.08E+00	9.24E-02	4.99E-02
Benzo(B)Fluoranthene	1.5E-01	2.9E+00		MG/KG	4.24E-02	1.59E+00	3.70E+00	2.51E+00	1.09E+00	2.90E+01	3.22E+00	6.52E+00	9.66E-02	4.78E-02
Benzo(G,H,I)Perylene	3.4E+02	4.6E+03		MG/KG	2.93E-02	7.59E-01	1.82E+00	1.34E+00	5.03E-01	1.29E+01	1.69E+00	2.82E+00	3.79E-02	2.35E-02
Benzo(K)Fluoranthene	1.5E+00	2.9E+01		MG/KG	1.56E-02	5.52E-01	1.45E+00	1.34E+00	3.90E-01	1.08E+01	1.44E+00	2.14E+00	3.58E-02	2.93E-02
Benzo[A]Pyrene	1.5E-02	2.9E-01		MG/KG	2.76E-02	1.20E+00	2.73E+00	1.97E+00	8.09E-01	2.09E+01	2.47E+00	4.67E+00	6.38E-02	3.63E-02
Benzyl Alcohol	1.2E+03	1.6E+04		MG/KG					3.54E-01					
Biphenyl	9.4E+00	4.0E+01		MG/KG			1.23E-01	4.97E-02		1.52E+00	3.27E-02	6.93E-02		
Bis(2-Ethylhexyl)Phthalate	3.8E+01	1.6E+02		MG/KG			2.17E-01	1.09E-01		4.54E-01	1.52E-01			
Butyl Benzyl Phthalate	2.8E+02	1.2E+03		MG/KG						1.69E-01				
Chrysene	1.5E+01	2.9E+02		MG/KG	3.42E-02	1.21E+00	2.83E+00	1.77E+00	7.97E-01	2.24E+01	2.80E+00	5.39E+00	7.74E-02	5.18E-02
Dibenz(A,H)Anthracene	1.5E-02	2.9E-01		MG/KG	9.69E-03	1.57E-01	4.25E-01	2.94E-01	1.43E-01	3.18E+00	5.20E-01	9.38E-01	1.37E-02	8.91E-03
Dibenzofuran	1.4E+01	2.0E+02		MG/KG		5.55E-02	1.90E-01	1.62E-01	6.73E-02	5.51E+00	2.00E-01	4.58E-01		
Dimethyl Phthalate	--	--		MG/KG				1.02E+00		1.67E-01				
Diphenyl Ether	2.7E+03	1.9E+04		MG/KG		3.88E-02	2.84E-01	1.09E-01		5.08E-01	9.80E-02	6.31E-02		
Fluoranthene	4.6E+02	6.0E+03		MG/KG	5.39E-02	2.54E+00	5.77E+00	4.28E+00	1.76E+00	5.88E+01	5.52E+00	1.11E+01	1.23E-01	1.08E-01
Fluorene	4.6E+02	6.0E+03		MG/KG	5.57E-03	1.23E-01	4.76E-01	4.13E-01	1.65E-01	1.13E+01	4.79E-01	1.04E+00	1.09E-02	1.58E-02
Indeno (1,2,3-CD) Pyrene	1.5E-01	2.9E+00		MG/KG	2.08E-02	7.11E-01	1.65E+00	1.15E+00	4.91E-01	1.27E+01	1.53E+00	2.66E+00	3.47E-02	2.08E-02
Naphthalene	3.8E+00	1.7E+01		MG/KG	1.09E-02	4.31E-02	1.20E-01	1.61E-01	9.75E-02	9.80E+00	1.65E-01	3.40E-01		1.45E-02
N-Nitrosodiphenylamine	1.1E+02	4.7E+02		MG/KG						1.32E-01				
Phenanthrene	3.4E+03	4.6E+04		MG/KG	3.09E-02	1.50E+00	3.76E+00	3.02E+00	1.12E+00	5.56E+01	3.67E+00	7.16E+00	6.93E-02	9.81E-02
Phenol	3.6E+03	5.0E+04		MG/KG			4.53E+00			3.57E-01				
Pyrene	3.4E+02	4.6E+03		MG/KG	5.30E-02	2.15E+00		3.57E+00	1.27E+00	4.41E+01	4.38E+00	8.54E+00	1.52E-01	7.77E-02
PCB 1242	1.0E+00	1.0E+00		MG/KG						5.18E+00				
PCB 1248	1.0E+00	1.0E+00		MG/KG									2.13E-01	
PCB 1254	1.0E+00	1.0E+00		MG/KG		3.33E-02	3.01E-01	3.85E-02	6.06E-02	1.95E-01	9.04E-02	1.23E-01	1.36E-02	1.25E-02
PCB 1260	1.0E+00	1.0E+00		MG/KG				1.93E-02	2.25E-01		4.43E-02	1.41E-01		
Antimony	6.2E+00	9.4E+01	DL	MG/KG		2.55E-01	1.13E+00	8.65E-01	2.73E-01	1.27E+00	1.76E+00	7.08E-01	2.12E+01	9.11E-01
Arsenic	6.7E-01	3.0E+00	4.81E+00	MG/KG	2.16E+00	1.95E+00	3.02E+00	3.23E+00	1.55E+00	1.95E+00	4.57E+00	2.75E+00	2.25E+00	2.71E+00
Barium	3.0E+03	4.4E+04	1.33E+02	MG/KG	3.81E+01	6.88E+01	7.29E+01	1.05E+02	7.42E+01	7.22E+01	6.72E+01	6.77E+01	6.75E+01	6.94E+01
Beryllium	3.2E+01	4.6E+02	2.70E+00	MG/KG	1.08E+00	1.30E+00	1.38E+00	1.00E+00	1.25E+00	1.51E+00	1.31E+00	1.51E+00	1.69E+00	1.45E+00
Cadmium	1.4E+01	2.0E+02	DL	MG/KG		3.55E-01	4.45E-01	5.02E-01	1.86E-01	4.03E-01	2.47E-01	2.90E-01	3.93E-01	
Chromium	2.4E+04	1.0E+05	5.16E+00	MG/KG	6.25E+00	1.46E+01	1.11E+01	1.09E+01	9.78E+00	1.20E+01	9.36E+00	1.31E+01	5.60E+00	2.24E+01
Cobalt	4.6E+00	7.0E+01	1.47E+01	MG/KG	1.98E+00	3.88E+00	3.77E+00	3.97E+00	3.90E+00	3.70E+00	4.83E+00	3.34E+00	3.84E+00	5.43E+00
Copper	6.2E+02	9.4E+03	3.72E+00	MG/KG	5.19E+00	7.93E+00	1.53E+01	9.28E+00	1.38E+01	1.01E+01	1.02E+01	2.12E+01	5.83E+00	9.85E+00
Lead	4.0E+02	8.0E+02	2.05E+01	MG/KG	1.58E+01	1.53E+01	2.59E+01	2.34E+01	1.76E+01	2.01E+01	2.31E+01	2.22E+01	1.97E+01	2.21E+01
Mercury	1.9E+00	8.0E+00	2.15E-02	MG/KG	3.11E-02	2.37E-02	4.20E-01	3.22E-02	2.54E-02	3.11E+00	3.65E-02	3.80E-02	1.96E-02	4.52E-02

Table 7
Constituents of Potential Concern in ISM 2014 Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Preliminary Soil Remediation Goal (PSRG)		Site-Specific Background	Units	95% UCL									
	Residential	Non-Residential			DU-1	DU-2	DU-3	DU-4	DU-5	DU-6	DU-7	DU-8	DU-9	DU-10
Nickel	3.0E+02	4.4E+03	5.54E+00	MG/KG	1.54E+01	4.19E+01	4.83E+01	4.23E+01	2.96E+01	2.14E+01	1.32E+01	1.42E+01	1.24E+01	7.54E+01
Selenium	7.8E+01	1.2E+03	DL	MG/KG	4.03E-01	3.68E-01	3.13E-01	1.11E+00	3.00E-01	3.38E-01	5.51E-01	3.55E-01	4.31E-01	6.32E-01
Silver	7.8E+01	1.2E+03	DL	MG/KG		7.80E+00	2.25E+02	4.52E+01	6.89E+00	2.13E+01	3.12E+01		1.24E+00	
Thallium	1.6E-01	2.4E+00	DL	MG/KG	4.03E-01	3.12E-01	3.40E-01	5.01E-01	3.68E-01	2.93E-01	4.68E-01	3.36E-01	1.28E+00	3.91E-01
Tin	9.4E+03	1.0E+05	DL	MG/KG	2.59E+00	3.05E+00	3.01E+00	3.83E+00	3.43E+00	3.75E+00	3.02E+00	4.83E+00	3.48E+00	3.59E+00
Vanadium	7.8E+01	1.2E+03	2.28E+01	MG/KG	1.70E+01	2.18E+01	2.57E+01	2.50E+01	2.42E+01	3.64E+01	1.88E+01	2.25E+01	2.02E+01	2.86E+01
Zinc	4.6E+03	7.0E+04	4.91E+01	MG/KG	2.68E+01	4.51E+01	1.67E+02	3.65E+02	7.80E+01	1.01E+02	1.01E+02	8.50E+01	4.49E+01	4.80E+01

Notes:

MG/KG - Milligram(s) per kilogram

Blank Cells = Constituent not detected in all three replicates

NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.


Value for benzo(g,h,i)perylene is pyrene


Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

 Exceeds Residential PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	22	23	24	27	28
							Sample Name	BRE-S-22(0-1)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-27(0-1)	BRE-S-28(0-2)
							Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/26/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 2
							Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0020	<0.0020	<0.0020	<0.0030	<0.3100
Acetone	67-64-1	MG/KG	12000	100000	24			0.0370	0.0440	0.0200	0.0900	<0.7300
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00040	<0.00040	<0.00030	<0.00050	<0.0520
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			0.00090 J	<0.00080	<0.00070	0.0020 J	<0.1000
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0030	<0.0030	<0.0030	0.0120	<0.4200
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0020	<0.0020	<0.0020	<0.0030	<0.3100
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0010	<0.0020	<0.0010	<0.0020	<0.2100
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Toluene	108-88-3	MG/KG	820	820	5.5			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0010	<0.0020	<0.0010	0.0060	<0.2100
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.00070	<0.00080	<0.00070	<0.0010	<0.1000
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0370	<0.0370	<0.0370	<0.0360	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0730	<0.0750	<0.0740	<0.0730	<0.0730
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0370	<0.0370	<0.0370	<0.0360	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0370	<0.0370	<0.0370	0.0770 J	<0.0370
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0730	<0.0750	<0.0740	<0.0730	<0.0730
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0730	<0.0750	<0.0740	<0.0730	<0.0730
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0370	<0.0370	<0.0370	<0.0360	<0.0370
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0370	<0.0370	<0.0370	0.5300	0.1600 J
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0370	<0.0370	<0.0370	0.2900	0.0560 J
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0370	<0.0370	<0.0370	1.7000	0.5400
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	22	23	24	27	28
							Sample Name	BRE-S-22(0-1)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-27(0-1)	BRE-S-28(0-2)
							Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/26/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 2
							Sample Purpose	FS	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0370	<0.0370	<0.0370	5.6000	1.5000	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0370	<0.0370	<0.0370	6.3000	1.8000	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0370	<0.0370	<0.0370	3.9000	1.0000	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0370	<0.0370	<0.0370	2.4000	0.7500	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0370	<0.0370	<0.0370	5.4000	1.5000	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0370	0.0490 J	<0.0370	0.3500	170.0000	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.0730	<0.0750	<0.0740	0.4700	0.0820 J	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0730	<0.0750	<0.0740	0.1300 J	<0.0730	
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		<0.0370	<0.0370	<0.0370	5.4000	1.5000	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0370	<0.0370	<0.0370	<0.0360	<0.0370	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0370	<0.0370	<0.0370	0.9200	0.2400	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0370	<0.0370	<0.0370	0.2300	1.3000	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0730	<0.0750	<0.0740	0.1400 J	<0.0730	
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0370	0.3600	<0.0370	1.4000	1000.0000	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0370	0.0680 J	<0.0370	11.0000	3.3000	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0370	<0.0370	<0.0370	0.5900	0.3000	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0370	<0.0370	<0.0370	3.4000	0.8700	
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0370	<0.0370	<0.0370	0.1800	0.0640 J	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0730	<0.0750	<0.0740	<0.0730	<0.0730	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0370	<0.0370	<0.0370	<0.0360	<0.0370	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0370	<0.0370	<0.0370	<0.0360	<0.0370	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0370	0.0460 J	<0.0370	6.1000	2.0000	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0370	<0.0370	<0.0370	<0.0360	0.1700 J	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0370	0.0570 J	<0.0370	9.5000	3.2000	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--							
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.260 UJ	<0.266 UJ	<0.258 UJ	1.13 J	9.01 J	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.90 J	1.56 J	0.628 J	2.57	3.47	
Barium	7440-39-3	MG/KG	3000	44000	580	133	25.3	70.8	30.0	71.0	72.2	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	0.441 J	0.805	0.786	0.867	0.662	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.155	<0.158	<0.154	0.880	0.229 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	9.64	11.7	3.84	16.9	21.1	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	1.80	2.80	2.30	4.09	4.23	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	3.93	5.19	3.86	16.9	13.7	
Lead	7439-92-1	MG/KG	400	800	270	20.5	10.3	14.0	15.7	21.0 J	13.8	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0249 J	0.0188 J	0.0133 J	0.301	0.0408 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	6.02	4.55	2.85	9.35	9.04	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.0757	<0.0768	<0.0759	5.69	<0.0750	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	0.200 J	0.226 J	0.164 J	0.198 J	0.255 J	

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	22	23	24	27	28
							Sample Name	BRE-S-22(0-1)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-27(0-1)	BRE-S-28(0-2)
							Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/26/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 2
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL	3.25 B	2.85 B	3.06 B	4.30 B	2.95 B	
Vanadium	7440-62-2	MG/KG	78	1200		22.8	19.6	25.7	7.92	35.3	25.9	
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1	18.5	28.3	19.0	249	123	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	29	30	31	32	33
							Sample Name	BRE-S-29(0-1)	BRE-S-30(0-1)	BRE-S-31(0-1)	BRE-S-32(0-1)	BRE-S-33(0-1)
							Date Sampled	09/26/2008	09/27/2008	09/29/2008	09/27/2008	09/28/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
							Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0030	<0.0030	<0.0030	<0.0030	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24			0.0200	0.0320	0.0890	0.0210	0.0370
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00050	<0.00050	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.00090	<0.0010	0.0020 J	<0.0010	0.0010 J
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0040	<0.0040	<0.0040	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0030	<0.0030	<0.0030	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0020	<0.0020	0.0020 J	<0.0020	0.0030 J
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0370	<0.0370	<0.0380	<0.0360	<0.1800
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0740	<0.0730	<0.0760	<0.0720	<0.3600
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0370	<0.0370	<0.0380	<0.0360	<0.1800
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0370	<0.0370	0.0840 J	<0.0360	<0.1800
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0740	<0.0730	0.1300 J	<0.0720	<0.3600
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0740	<0.0730	<0.0760	<0.0720	<0.3600
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0370	<0.0370	0.0390 J	<0.0360	<0.1800
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			0.1400 J	0.0500 J	0.4400	<0.0360	0.7700 J
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0370	<0.0370	0.2400	<0.0360	0.5200 J
Anthracene	120-12-7	MG/KG	3400	46000	660			0.4100	0.1300 J	1.3000	0.0740 J	2.7000
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	29	30	31	32	33
							Sample Name	BRE-S-29(0-1)	BRE-S-30(0-1)	BRE-S-31(0-1)	BRE-S-32(0-1)	BRE-S-33(0-1)
							Date Sampled	09/26/2008	09/27/2008	09/29/2008	09/27/2008	09/28/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
							Sample Purpose	FS	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		1.4000	0.4200	3.6000	0.3200	7.3000	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		1.7000	0.5700	4.4000	0.4200	8.0000	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		0.8800	0.3500	2.3000	0.2600	4.0000	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		0.6700	0.2100	1.6000	0.1500 J	3.3000	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		1.3000	0.4000	3.5000	0.3200	6.4000	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43		0.1200 J	0.5500	0.0570 J	<0.0360	<0.1800	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		0.2700 J	0.0820 J	0.1300 J	<0.0720	<0.3600	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		0.2900	<0.0730	0.1500 J	<0.0720	<0.3600	
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		1.4000	0.4200	3.6000	0.3100	6.6000	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0370	<0.0370	<0.0380	<0.0360	<0.1800	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		0.2500	0.0760 J	0.5500	0.0600 J	1.1000	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		0.0950 J	0.1800	0.2000	<0.0360	0.4300 J	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0740	<0.0730	<0.0760	<0.0720	<0.3600	
Diphenyl Ether	101-84-8	MG/KG	2700	19000			1.8000	5.1000	0.0810 J	0.1400 J	<0.1800	
Fluoranthene	206-44-0	MG/KG	460	6000	330		2.7000	0.8800	7.6000	0.6400	16.0000	
Fluorene	86-73-7	MG/KG	460	6000	56		0.1500 J	0.0430 J	0.5300	<0.0360	1.2000	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		0.8000	0.2900	2.1000	0.2100	3.6000	
Naphthalene	91-20-3	MG/KG	4	17	0.21		0.0730 J	<0.0370	0.2200	<0.0360	0.3400 J	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0740	<0.0730	<0.0760	<0.0720	<0.3600	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0370	<0.0370	<0.0380	<0.0360	0.5500 J	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0370	<0.0370	<0.0380	<0.0360	<0.1800	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		1.6000	0.5500	4.7000	0.3300	11.0000	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0370	<0.0370	<0.0380	<0.0360	<0.1800	
Pyrene	129-00-0	MG/KG	340	4600	220		2.5000	0.8100	6.0000	0.5900	12.0000	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--							
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	0.802 J	0.334 J	1.66 J	<0.249 UJ	<0.256 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	3.21	3.09	3.30	3.18	2.37	
Barium	7440-39-3	MG/KG	3000	44000	580	133	91.9	75.2	70.7	63.4	43.7	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	0.953	1.06	0.851	1.06	1.11	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	0.894	0.281 J	0.301 J	<0.148	0.372 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	10.7	25.5	18.4	7.00	5.99	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	3.46	3.77	4.92	5.60	3.11	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	11.8	16.4	26.1	8.41	11.0	
Lead	7439-92-1	MG/KG	400	800	270	20.5	20.9	14.3 J	16.5 J	11.3 J	8.46 J	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0398 J	0.0189 J	0.0253 J	0.0163 J	<0.0121	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	15.5	9.60	63.2	10.2	3.03	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	8.60	4.45	17.2	2.19	18.5	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	0.252 J	0.276 J	0.265 J	0.306 J	0.276 J	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	29	30	31	32	33
							Sample Name	BRE-S-29(0-1)	BRE-S-30(0-1)	BRE-S-31(0-1)	BRE-S-32(0-1)	BRE-S-33(0-1)
							Date Sampled	09/26/2008	09/27/2008	09/29/2008	09/27/2008	09/28/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		4.09 B	3.68 B	3.95 B	3.57 B	3.33 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		27.0	27.7	863	35.7	12.2
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		137	166	127	64.3	130

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	34	35	36	A-SS1-1.5	A-SS2-1
							Sample Name	BRE-S-34(0-1)	BRE-S-35(0-1)	BRE-S-36(0-1)	BRE-A-SS1-1.5	BRE-A-SS2-1
							Date Sampled	09/28/2008	09/29/2008	09/28/2008	08/25/1995	08/25/1995
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1		
							Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0010	<0.0010	<0.0010		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0010	<0.0010	<0.0010		
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0030	<0.0030	<0.0030		
Acetone	67-64-1	MG/KG	12000	100000	24			0.0400	0.0840	<0.0080		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00050	<0.00060	<0.00060		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0010	<0.0010	<0.0010		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0010	<0.0010	<0.0010		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0010	<0.0010	<0.0010		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0010	<0.0010	<0.0010		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<11.0000 UJ	<11.0000	<11.0000		
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0040	<0.0050	<0.0050		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0030	<0.0030	<0.0030		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0020	<0.0020	<0.0020		
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0010	<0.0010	<0.0010		
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0010	<0.0010	<0.0010		
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0010	<0.0010	<0.0010		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0010	<0.0010	<0.0010		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0010	<0.0010	<0.0010		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0020	<0.0020	<0.0020		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0010	<0.0010	<0.0010		
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0010	<0.0010	<0.0010		
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0360	<0.0360	<0.0370		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0730	<0.0720	<0.0730		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0360	<0.0360	<0.0370		
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0360	<0.0360	<0.0370		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0730	<0.0720	<0.0730		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0730	<0.0720	<0.0730		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0360	<0.0360	<0.0370		
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0360	<0.0360	<0.0370		
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0360	<0.0360	<0.0370		
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0360	<0.0360	<0.0370		
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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							Sample Name	BRE-S-34(0-1)	BRE-S-35(0-1)	BRE-S-36(0-1)	BRE-A-SS1-1.5	BRE-A-SS2-1
							Date Sampled	09/28/2008	09/29/2008	09/28/2008	08/25/1995	08/25/1995
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1		
							Sample Purpose	FS	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		0.0520 J	<0.0360	<0.0370			
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		0.0610 J	<0.0360	<0.0370			
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		0.0410 J	<0.0360	<0.0370			
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0360	<0.0360	<0.0370			
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		0.0490 J	<0.0360	<0.0370			
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0360	<0.0360	<0.0370			
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		0.2100 J	<0.0720	<0.0730			
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0730	<0.0720	<0.0730			
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		0.0470 J	<0.0360	<0.0370			
Diallate	2303-16-4	MG/KG	8.7	38			<0.0360	<0.0360	<0.0370			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0360	<0.0360	<0.0370			
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0360	<0.0360	<0.0370			
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0730	<0.0720	<0.0730			
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0360	<0.0360	<0.0370			
Fluoranthene	206-44-0	MG/KG	460	6000	330		0.0890 J	<0.0360	<0.0370			
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0360	<0.0360	<0.0370			
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0360	<0.0360	<0.0370			
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0360	<0.0360	<0.0370			
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0730	<0.0720	<0.0730			
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0360	<0.0360	<0.0370			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0360	<0.0360	<0.0370			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		0.0530 J	<0.0360	<0.0370			
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0360	<0.0360	<0.0370			
Pyrene	129-00-0	MG/KG	340	4600	220		0.0900 J	<0.0360	<0.0370			
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					<1.67	<1.74	
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL		<0.258 UJ	<0.250 UJ	<0.257 UJ		
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81		0.788 J	4.01	1.66 J		
Barium	7440-39-3	MG/KG	3000	44000	580	133		19.8	177	29.7		
Beryllium	7440-41-7	MG/KG	32	460	63	2.7		1.68	1.02	1.60		
Cadmium	7440-43-9	MG/KG	14	200	3	DL		<0.154	<0.149	<0.153		
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16		<0.654	13.4	1.03 J		
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7		1.64	4.20	2.44		
Copper	7440-50-8	MG/KG	620	9400	700	3.72		1.06 J	17.6	1.07 J		
Lead	7439-92-1	MG/KG	400	800	270	20.5		10.8	5.69 J	11.8 J		
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215		<0.0121	<0.0123	<0.0118		
Nickel	7440-02-0	MG/KG	300	4400	130	5.54		0.964 J	7.85	2.31		
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		<0.0752	0.148 J	<0.0748		
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL		0.189 J	0.199 J	0.229 J		

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							Sample Name	BRE-S-34(0-1)	BRE-S-35(0-1)	BRE-S-36(0-1)	BRE-A-SS1-1.5	BRE-A-SS2-1
							Date Sampled	09/28/2008	09/29/2008	09/28/2008	08/25/1995	08/25/1995
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1		
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		1.96 B	3.63 B	3.55 B		
Vanadium	7440-62-2	MG/KG	78	1200		22.8		5.19	20.4	8.20		
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		20.1	39.4	23.0		

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	A-SS3-2	A-SS4-2	A-SS5-2	A-SS5-P 1G
							Sample Name	BRE-A-SS3-2	BRE-A-SS4-2	BRE-A-SS5-2	BRE-A-SS5-P 1G
							Date Sampled	08/25/1995	08/24/1995	08/25/1995	08/25/1995
							Start Depth - End Depth				
							Sample Purpose	FS	FS	FS	FS
<i>Volatile Organic Compound</i>											
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2						
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012						
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032						
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03						
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3						
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002						
2-Hexanone	591-78-6	MG/KG	40	260	0.17						
Acetone	67-64-1	MG/KG	12000	100000	24						
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073						
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8						
Chlorobenzene	108-90-7	MG/KG	56	260	0.43						
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34						
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36						
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1						
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40						
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16						
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43						
Methylene Chloride	75-09-2	MG/KG	57	640	0.023						
Pentachloroethane	76-01-7	MG/KG	5.9	26							
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005						
Toluene	108-88-3	MG/KG	820	820	5.5						
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51						
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018						
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24						
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04						
Xylenes	1330-20-7	MG/KG	120	260	5.8						
<i>Semivolatile Organic Compound</i>											
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2						
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9							
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055						
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4						
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000							
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6						
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10							
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12						
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085							
Acenaphthene	83-32-9	MG/KG	700	9000	8.4						
Acenaphthylene	208-96-8	MG/KG	700	9000	21						
Anthracene	120-12-7	MG/KG	3400	46000	660						
Benzaldehyde	100-52-7	MG/KG	1200	1200	3						

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							Sample Name	BRE-A-SS3-2	BRE-A-SS4-2	BRE-A-SS5-2	BRE-A-SS5-P 1G
							Date Sampled	08/25/1995	08/24/1995	08/25/1995	08/25/1995
							Start Depth - End Depth				
							Sample Purpose	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18						
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6						
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800						
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9						
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059						
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						
Biphenyl	92-52-4	MG/KG	9.4	40	43						
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2						
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150						
Carbazole	86-74-8	MG/KG	NA	NA	0.37						
Chrysene	218-01-9	MG/KG	15	290	18						
Diallate	2303-16-4	MG/KG	8.7	38							
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19						
Dibenzofuran	132-64-9	MG/KG	14	200	5.2						
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19						
Diphenyl Ether	101-84-8	MG/KG	2700	19000							
Fluoranthene	206-44-0	MG/KG	460	6000	330						
Fluorene	86-73-7	MG/KG	460	6000	56						
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2						
Naphthalene	91-20-3	MG/KG	4	17	0.21						
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38						
Nitrobenzene	98-95-3	MG/KG	5.1	22							
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470							
Phenanthrene	85-01-8	MG/KG	3400	46000	68						
Phenol	108-95-2	MG/KG	3600	50000	0.23						
Pyrene	129-00-0	MG/KG	340	4600	220						
Diesel Range Organics	394878-87-0	MG/KG	--	--	--		<1.67	476	<1.7	<1.7	
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL					
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81					
Barium	7440-39-3	MG/KG	3000	44000	580	133					
Beryllium	7440-41-7	MG/KG	32	460	63	2.7					
Cadmium	7440-43-9	MG/KG	14	200	3	DL					
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16					
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7					
Copper	7440-50-8	MG/KG	620	9400	700	3.72					
Lead	7439-92-1	MG/KG	400	800	270	20.5					
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215					
Nickel	7440-02-0	MG/KG	300	4400	130	5.54					
Silver	7440-22-4	MG/KG	78	1200	3.4	DL					
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL					

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							Sample Name	BRE-A-SS3-2	BRE-A-SS4-2	BRE-A-SS5-2	BRE-A-SS5-P 1G
							Date Sampled	08/25/1995	08/24/1995	08/25/1995	08/25/1995
							Start Depth - End Depth				
							Sample Purpose	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL					
Vanadium	7440-62-2	MG/KG	78	1200		22.8					
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1					

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AFBASH-SS-1	AOCA-SS-2	AOCA-SS-3
							Sample Name	BRE-S-AFBASH-SS-1	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)
							Date Sampled	07/26/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	COMP	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0010	<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.0010	<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.0010	<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0010	<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0010	<0.0010	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0010	<0.0010	
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0040	<0.0040	
Acetone	67-64-1	MG/KG	12000	100000	24			0.0140 J	<0.0090	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00070	<0.00060	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0010	<0.0010	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0010	<0.0010	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0010	<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0010	<0.0010	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0010	<0.0010	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.6000	<2.5000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0050	<0.0050	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0040	<0.0040	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			0.0050 J	0.0040 J	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0010	<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0010	<0.0010	
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0010	<0.0010	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0010	<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0010	<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			0.0170	0.0280	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0010	<0.0010	
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0010	<0.0010	
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0390	<0.0410	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0390	<0.0410	<0.0390
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0390	<0.0410	<0.0390
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0390	<0.0410	<0.0390
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0390	<0.0410	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0390	<0.0410	<0.0390
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0780	<0.0820	<0.0790
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0780	<0.0820	<0.0790
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0390	<0.0410	<0.0390
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0390	<0.0410	<0.0390
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0390	<0.0410	<0.0390
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0390	<0.0410	<0.0390
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.0390	<0.0410	<0.0390

Table 8
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AFBASH-SS-1	AOCA-SS-2	AOCA-SS-3
							Sample Name	BRE-S-AFBASH-SS-1	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)
							Date Sampled	07/26/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	COMP	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0390	<0.0410	<0.0390	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0390	<0.0410	<0.0390	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0390	<0.0410	<0.0390	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0390	<0.0410	<0.0390	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0390	<0.0410	<0.0390	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1900	<0.2000	<0.2000	
Biphenyl	92-52-4	MG/KG	9.4	40	43			<0.0410	<0.0390	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200	<0.1200	<0.1200	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0780	<0.0820	<0.0790	
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0390	<0.0410	<0.0390	
Chrysene	218-01-9	MG/KG	15	290	18		<0.0390	<0.0410	<0.0390	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0390	<0.0410	<0.0390	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0390	<0.0410	<0.0390	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0390	<0.0410	<0.0390	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0780	<0.0820	<0.0790	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				<0.0410	<0.0390	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0390	<0.0410	<0.0390	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0390	<0.0410	<0.0390	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0390	<0.0410	<0.0390	
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0390	<0.0410	<0.0390	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0780	<0.0820	<0.0790	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0390	<0.0410	<0.0390	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0390	<0.0410	<0.0390	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0390	0.0760 J	<0.0390	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0390	<0.0410	<0.0390	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0390	<0.0410	<0.0390	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.853 UJ	<0.897 UJ	<0.858 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	0.930 J	1.83	1.10 J	
Barium	7440-39-3	MG/KG	3000	44000	580	133	80.0	40.4	41.1	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.69	1.38	1.30	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	0.161 J	<0.0679	<0.0649	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	3.01	3.15 J	3.52 J	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	6.44	17.1	1.97	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	6.21	4.25	1.89	
Lead	7439-92-1	MG/KG	400	800	270	20.5	9.86	50.5	15.2	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	<0.0039	<0.0039	<0.0039	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	3.66	1.99	2.06	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.150	<0.158	<0.151	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	<1.06	4.29	<1.07	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AFBASH-SS-1	AOCA-SS-2	AOCA-SS-3
							Sample Name	BRE-S-AFBASH-SS-1	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)
							Date Sampled	07/26/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	COMP	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL	5.43 B	3.30 B	3.32 B	
Vanadium	7440-62-2	MG/KG	78	1200		22.8	13.8	10.5	7.79	
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1	32.8	40.1	38.9	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
							Sample Name	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
							Date Sampled	08/02/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012		<0.0010	<0.0010	<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032		<0.0010	<0.0010	<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040	<0.0040	<0.0040	
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0080	0.0220 J	0.1600	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00060	<0.00060	<0.00070	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010	<0.0010	<0.0010	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	0.0010 J	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	<0.0010	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	0.0150	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.5000	<2.6000	<2.6000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050	<0.0050	0.0230	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040	<0.0040	<0.0040	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		0.0070	0.0180 B	0.0190	
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	0.0210	
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	0.0170	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		0.0160	0.0050 J	15.0000	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	0.0970	
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400	<0.0390	<0.4100	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400	<0.0390	<0.4100	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0400	<0.0390	8.1000	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400	<0.0390	<0.4100	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400	<0.0390	<0.4100	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0400	<0.0390	11.0000	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0790	<0.0780	<0.8300	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0790	<0.0780	<0.8300	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400	<0.0390	5.7000	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400	<0.0390	1.9000 J	
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400	<0.0390	<0.4100	
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400	<0.0390	0.4100 J	
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400	<0.0390	<0.4100	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
							Sample Name	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
							Date Sampled	08/02/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400	<0.0390	2.8000 J	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400	<0.0390	2.6000 J	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400	<0.0390	1.6000 J	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400	<0.0390	<0.4100	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400	<0.0390	4.4000	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000	<0.2000	<2.1000	
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0400	<0.0390	0.8800 J	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200	0.2000 J	<1.2000	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0790	<0.0780	<0.8300	
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400	<0.0390	0.4200 J	
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400	<0.0390	12.0000	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400	<0.0390	<0.4100	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400	<0.0390	0.9600 J	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400	<0.0390	0.7000 J	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0790	<0.0780	<0.8300	
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0400	<0.0390	<0.4100	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400	<0.0390	1.2000 J	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400	<0.0390	2.4000 J	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400	<0.0390	0.7800 J	
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0400	<0.0390	1.6000 J	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0790	<0.0780	<0.8300	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400	<0.0390	<0.4100	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400	<0.0390	<0.4100	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400	<0.0390	7.8000	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400	<0.0390	<0.4100	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400	<0.0390	6.7000	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.852 UJ	<0.854 UJ	<0.910 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.64	1.73	0.610 J	
Barium	7440-39-3	MG/KG	3000	44000	580	133	40.2	51.3	39.0	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.19	1.30	1.06	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0645	<0.0646	<0.0689	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	3.01 J	4.16 J	4.00 J	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	2.11	2.22	4.53	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	2.75	3.04	2.16	
Lead	7439-92-1	MG/KG	400	800	270	20.5	15.3	14.2	17.1	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0147 J	0.0140 J	0.0173 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	2.55	3.02	5.13	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.150	0.288 J	<0.160	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	<1.06	<1.06	<1.13	

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
							Sample Name	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
							Date Sampled	08/02/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		5.32 B	5.09 B	5.24 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		9.51	12.4	25.7
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		18.2	29.0	45.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCB-SS-3	AOCC-SS-3	AOCC-SS-4
							Sample Name	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)
							Date Sampled	08/04/2004	08/09/2004	08/09/2004
							Start Depth - End Depth	0 - 4	0 - 4	0 - 4
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0020		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.0020		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.0020		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0020		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0020		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0020		
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0050		
Acetone	67-64-1	MG/KG	12000	100000	24			<0.0120		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00080		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0020		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0020		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0020		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0020		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0020		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.5000		
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0070		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0050		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0030		
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0020		
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0020		
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0020		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0020		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0020		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0030		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0020		
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0020		
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0380		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0380		
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0380		
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0380		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0380		
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0380		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0770		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0770		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0380		
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0380		
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0380		
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0380		
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.0380		

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCB-SS-3	AOCC-SS-3	AOCC-SS-4
							Sample Name	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)
							Date Sampled	08/04/2004	08/09/2004	08/09/2004
							Start Depth - End Depth	0 - 4	0 - 4	0 - 4
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0380			
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0380			
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0380			
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0380			
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0380			
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1900			
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0380			
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200			
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0770			
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0380			
Chrysene	218-01-9	MG/KG	15	290	18		<0.0380			
Diallate	2303-16-4	MG/KG	8.7	38			<0.0380			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0380			
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0380			
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0770			
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0380			
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0380			
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0380			
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0380			
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0380			
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0770			
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0380			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0380			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0380			
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0380			
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0380			
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.835			
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.49			
Barium	7440-39-3	MG/KG	3000	44000	580	133	66.0			
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.38			
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0632			
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	2.43			
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	2.83			
Copper	7440-50-8	MG/KG	620	9400	700	3.72	2.36			
Lead	7439-92-1	MG/KG	400	800	270	20.5	12.9			
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0204 B	0.0651 J	0.0291 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	2.31			
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.147	86.9	2.55	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	<1.04			

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	AOCB-SS-3	AOCC-SS-3	AOCC-SS-4
							Sample Name	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)
							Date Sampled	08/04/2004	08/09/2004	08/09/2004
							Start Depth - End Depth	0 - 4	0 - 4	0 - 4
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		4.04 B		
Vanadium	7440-62-2	MG/KG	78	1200		22.8		9.14		
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		25.6		

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	B-SS1-2	B-SS2-1.5	B-SS3-2	B-SS4-1.5	B-SS5-2
							Sample Name	BRE-B-SS1-2	BRE-B-SS2-1.5	BRE-B-SS3-2	BRE-B-SS4-1.5	BRE-B-SS5-2
							Date Sampled	08/29/1995	08/29/1995	08/29/1995	08/29/1995	08/29/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2							
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012							
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032							
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03							
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3							
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002							
2-Hexanone	591-78-6	MG/KG	40	260	0.17							
Acetone	67-64-1	MG/KG	12000	100000	24							
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073							
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8							
Chlorobenzene	108-90-7	MG/KG	56	260	0.43							
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34							
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36							
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1							
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		974.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16							
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43							
Methylene Chloride	75-09-2	MG/KG	57	640	0.023							
Pentachloroethane	76-01-7	MG/KG	5.9	26								
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005							
Toluene	108-88-3	MG/KG	820	820	5.5							
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51							
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018							
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24							
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04							
Xylenes	1330-20-7	MG/KG	120	260	5.8							
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2							
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4							
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000								
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6							
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10								
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12							
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085								
Acenaphthene	83-32-9	MG/KG	700	9000	8.4							
Acenaphthylene	208-96-8	MG/KG	700	9000	21							
Anthracene	120-12-7	MG/KG	3400	46000	660							
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	B-SS1-2	B-SS2-1.5	B-SS3-2	B-SS4-1.5	B-SS5-2
							Sample Name	BRE-B-SS1-2	BRE-B-SS2-1.5	BRE-B-SS3-2	BRE-B-SS4-1.5	BRE-B-SS5-2
							Date Sampled	08/29/1995	08/29/1995	08/29/1995	08/29/1995	08/29/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18							
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6							
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800							
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9							
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059							
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43							
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2							
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150							
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18							
Diallate	2303-16-4	MG/KG	8.7	38								
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19							
Dibenzofuran	132-64-9	MG/KG	14	200	5.2							
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19							
Diphenyl Ether	101-84-8	MG/KG	2700	19000								
Fluoranthene	206-44-0	MG/KG	460	6000	330							
Fluorene	86-73-7	MG/KG	460	6000	56							
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2							
Naphthalene	91-20-3	MG/KG	4	17	0.21							
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38							
Nitrobenzene	98-95-3	MG/KG	5.1	22								
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470								
Phenanthrene	85-01-8	MG/KG	3400	46000	68							
Phenol	108-95-2	MG/KG	3600	50000	0.23							
Pyrene	129-00-0	MG/KG	340	4600	220							
Diesel Range Organics	394878-87-0	MG/KG	--	--	--							
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL						
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81						
Barium	7440-39-3	MG/KG	3000	44000	580	133						
Beryllium	7440-41-7	MG/KG	32	460	63	2.7						
Cadmium	7440-43-9	MG/KG	14	200	3	DL						
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16						
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7						
Copper	7440-50-8	MG/KG	620	9400	700	3.72						
Lead	7439-92-1	MG/KG	400	800	270	20.5						
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215						
Nickel	7440-02-0	MG/KG	300	4400	130	5.54						
Silver	7440-22-4	MG/KG	78	1200	3.4	DL						
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL						

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	B-SS1-2	B-SS2-1.5	B-SS3-2	B-SS4-1.5	B-SS5-2
							Sample Name	BRE-B-SS1-2	BRE-B-SS2-1.5	BRE-B-SS3-2	BRE-B-SS4-1.5	BRE-B-SS5-2
							Date Sampled	08/29/1995	08/29/1995	08/29/1995	08/29/1995	08/29/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL						
Vanadium	7440-62-2	MG/KG	78	1200		22.8						
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1						

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS1-1	C-SS2-2	C-SS2-2	C-SS3-1	C-SS4-1
							Sample Name	BRE-C-SS1-1	BRE-C-SS2-2	BRE-C-SS2-2-DUP	BRE-C-SS3-1	BRE-C-SS4-1
							Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	DUP	FS	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2							
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012							
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032							
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03							
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3							
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002							
2-Hexanone	591-78-6	MG/KG	40	260	0.17							
Acetone	67-64-1	MG/KG	12000	100000	24							
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073							
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8							
Chlorobenzene	108-90-7	MG/KG	56	260	0.43							
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34							
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36							
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1							
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40							
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16							
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43							
Methylene Chloride	75-09-2	MG/KG	57	640	0.023							
Pentachloroethane	76-01-7	MG/KG	5.9	26								
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005							
Toluene	108-88-3	MG/KG	820	820	5.5							
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51							
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018							
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24							
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04							
Xylenes	1330-20-7	MG/KG	120	260	5.8							
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2							
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4							
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000								
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6							
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10								
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12							
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085								
Acenaphthene	83-32-9	MG/KG	700	9000	8.4							
Acenaphthylene	208-96-8	MG/KG	700	9000	21							
Anthracene	120-12-7	MG/KG	3400	46000	660							
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS1-1	C-SS2-2	C-SS2-2	C-SS3-1	C-SS4-1
							Sample Name	BRE-C-SS1-1	BRE-C-SS2-2	BRE-C-SS2-2-DUP	BRE-C-SS3-1	BRE-C-SS4-1
							Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	DUP	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18							
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6							
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800							
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9							
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059							
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43							
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2							
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150							
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18							
Diallate	2303-16-4	MG/KG	8.7	38								
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19							
Dibenzofuran	132-64-9	MG/KG	14	200	5.2							
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19							
Diphenyl Ether	101-84-8	MG/KG	2700	19000								
Fluoranthene	206-44-0	MG/KG	460	6000	330							
Fluorene	86-73-7	MG/KG	460	6000	56							
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2							
Naphthalene	91-20-3	MG/KG	4	17	0.21							
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38							
Nitrobenzene	98-95-3	MG/KG	5.1	22								
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470								
Phenanthrene	85-01-8	MG/KG	3400	46000	68							
Phenol	108-95-2	MG/KG	3600	50000	0.23							
Pyrene	129-00-0	MG/KG	340	4600	220							
Diesel Range Organics	394878-87-0	MG/KG	--	--	--							
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL						
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81						
Barium	7440-39-3	MG/KG	3000	44000	580	133						
Beryllium	7440-41-7	MG/KG	32	460	63	2.7						
Cadmium	7440-43-9	MG/KG	14	200	3	DL						
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16						
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7						
Copper	7440-50-8	MG/KG	620	9400	700	3.72						
Lead	7439-92-1	MG/KG	400	800	270	20.5						
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215						
Nickel	7440-02-0	MG/KG	300	4400	130	5.54						
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.909	66.6	22.6	<0.923	<0.929	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL						

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							Sample Name	BRE-C-SS1-1	BRE-C-SS2-2	BRE-C-SS2-2-DUP	BRE-C-SS3-1	BRE-C-SS4-1
							Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
							Start Depth - End Depth					
							Sample Purpose	FS	FS	DUP	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL						
Vanadium	7440-62-2	MG/KG	78	1200		22.8						
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1						

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

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Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS5-1	C-SS6-1	SANDBLAST-SS-1
							Sample Name	BRE-C-SS5-1	BRE-C-SS6-1	BRE-V-SANDBLAST-SS-1(0-4)
							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2					
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012					
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032					
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03					
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3					
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002					
2-Hexanone	591-78-6	MG/KG	40	260	0.17					
Acetone	67-64-1	MG/KG	12000	100000	24					
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073					
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8					
Chlorobenzene	108-90-7	MG/KG	56	260	0.43					
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34					
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36					
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1					
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16					
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43					
Methylene Chloride	75-09-2	MG/KG	57	640	0.023					
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Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018					
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24					
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04					
Xylenes	1330-20-7	MG/KG	120	260	5.8					
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2					
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4					
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000						
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6					
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10						
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12					
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085						
Acenaphthene	83-32-9	MG/KG	700	9000	8.4					
Acenaphthylene	208-96-8	MG/KG	700	9000	21					
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							Sample Name	BRE-C-SS5-1	BRE-C-SS6-1	BRE-V-SANDBLAST-SS-1(0-4)
							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18					
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Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800					
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9					
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059					
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2					
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150					
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18					
Diallate	2303-16-4	MG/KG	8.7	38						
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19					
Dibenzofuran	132-64-9	MG/KG	14	200	5.2					
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19					
Diphenyl Ether	101-84-8	MG/KG	2700	19000						
Fluoranthene	206-44-0	MG/KG	460	6000	330					
Fluorene	86-73-7	MG/KG	460	6000	56					
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2					
Naphthalene	91-20-3	MG/KG	4	17	0.21					
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38					
Nitrobenzene	98-95-3	MG/KG	5.1	22						
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Phenanthrene	85-01-8	MG/KG	3400	46000	68					
Phenol	108-95-2	MG/KG	3600	50000	0.23					
Pyrene	129-00-0	MG/KG	340	4600	220					
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL				<0.886 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81				0.824 J
Barium	7440-39-3	MG/KG	3000	44000	580	133				43.8
Beryllium	7440-41-7	MG/KG	32	460	63	2.7				1.04
Cadmium	7440-43-9	MG/KG	14	200	3	DL				<0.0670
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16				5.11
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7				3.53
Copper	7440-50-8	MG/KG	620	9400	700	3.72				3.57
Lead	7439-92-1	MG/KG	400	800	270	20.5				15.0
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215				0.0227 J
Nickel	7440-02-0	MG/KG	300	4400	130	5.54				4.81
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	103	2.79		1.06
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL				1.47 J

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							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL				4.44 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8				15.3
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1				44.0

Notes:

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1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

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	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
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							Sample Name	BRE-S-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-2(1-5)
							Date Sampled	07/23/2004	07/23/2004
							Start Depth - End Depth	0 - 4	1 - 5
							Sample Purpose	FS	FS
<i>Volatile Organic Compound</i>									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2				
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012				
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032				
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03				
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3				
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002				
2-Hexanone	591-78-6	MG/KG	40	260	0.17				
Acetone	67-64-1	MG/KG	12000	100000	24				
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073				
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8				
Chlorobenzene	108-90-7	MG/KG	56	260	0.43				
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34				
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36				
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1				
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40				
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16				
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43				
Methylene Chloride	75-09-2	MG/KG	57	640	0.023				
Pentachloroethane	76-01-7	MG/KG	5.9	26					
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005				
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Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018				
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24				
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04				
Xylenes	1330-20-7	MG/KG	120	260	5.8				
<i>Semivolatile Organic Compound</i>									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2				
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9					
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055				
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4				
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000					
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6				
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10					
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12				
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085					
Acenaphthene	83-32-9	MG/KG	700	9000	8.4				
Acenaphthylene	208-96-8	MG/KG	700	9000	21				
Anthracene	120-12-7	MG/KG	3400	46000	660				
Benzaldehyde	100-52-7	MG/KG	1200	1200	3				

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SANDBLAST-SS-1	SANDBLAST-SS-2
							Sample Name	BRE-S-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-2(1-5)
							Date Sampled	07/23/2004	07/23/2004
							Start Depth - End Depth	0 - 4	1 - 5
							Sample Purpose	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18				
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6				
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800				
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9				
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059				
Benzoic Acid	65-85-0	MG/KG	50000	100000	130				
Biphenyl	92-52-4	MG/KG	9.4	40	43				
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2				
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150				
Carbazole	86-74-8	MG/KG	NA	NA	0.37				
Chrysene	218-01-9	MG/KG	15	290	18				
Diallate	2303-16-4	MG/KG	8.7	38					
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19				
Dibenzofuran	132-64-9	MG/KG	14	200	5.2				
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19				
Diphenyl Ether	101-84-8	MG/KG	2700	19000					
Fluoranthene	206-44-0	MG/KG	460	6000	330				
Fluorene	86-73-7	MG/KG	460	6000	56				
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2				
Naphthalene	91-20-3	MG/KG	4	17	0.21				
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38				
Nitrobenzene	98-95-3	MG/KG	5.1	22					
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470					
Phenanthrene	85-01-8	MG/KG	3400	46000	68				
Phenol	108-95-2	MG/KG	3600	50000	0.23				
Pyrene	129-00-0	MG/KG	340	4600	220				
Diesel Range Organics	394878-87-0	MG/KG	--	--	--				
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.852 UJ	<0.853 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.27	1.37	
Barium	7440-39-3	MG/KG	3000	44000	580	133	45.2	67.4	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	0.999	1.07	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0644	<0.0646	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	4.08	5.58	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	2.75	2.38	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	3.65	4.28	
Lead	7439-92-1	MG/KG	400	800	270	20.5	12.5	14.2	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.367	0.0136 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	3.39	3.44	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	11.8	2.41	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	1.38 J	1.17 J	

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 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SANDBLAST-SS-1	SANDBLAST-SS-2
							Sample Name	BRE-S-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-2(1-5)
							Date Sampled	07/23/2004	07/23/2004
							Start Depth - End Depth	0 - 4	1 - 5
							Sample Purpose	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		4.11 B	4.37 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		10.9	11.4
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		33.0	42.8

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3
							Sample Name	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3
							Date Sampled	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996
							Start Depth - End Depth	0 - 4				
							Sample Purpose	FS	FS	FS	DUP	FS
<i>Volatile Organic Compound</i>												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acetone	67-64-1	MG/KG	12000	100000	24			<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40							
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Pentachloroethane	76-01-7	MG/KG	5.9	26								
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
<i>Semivolatile Organic Compound</i>												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10								
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12							
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085								
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3
							Sample Name	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3
							Date Sampled	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996
							Start Depth - End Depth	0 - 4				
							Sample Purpose	FS	FS	FS	DUP	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.3300	<0.3300	<0.3300	0.4700	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.3300	<0.3300	<0.3300	0.3400	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.3300	<0.3300	<0.3300	0.4000	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
Biphenyl	92-52-4	MG/KG	9.4	40	43							
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18			<0.3300	<0.3300	<0.3300	0.4000	
Diallate	2303-16-4	MG/KG	8.7	38								
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Diphenyl Ether	101-84-8	MG/KG	2700	19000								
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.3300	0.3300	0.3900	1.0000	
Fluorene	86-73-7	MG/KG	460	6000	56			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Naphthalene	91-20-3	MG/KG	4	17	0.21			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.3300	<0.3300	<0.3300	0.5700	
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Pyrene	129-00-0	MG/KG	340	4600	220			<0.3300	<0.3300	<0.3300	0.7400	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--							
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL						
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81		<4.78	5.02	<4.91	<4.98	
Barium	7440-39-3	MG/KG	3000	44000	580	133		17.8	51.8	37	35.1	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7						
Cadmium	7440-43-9	MG/KG	14	200	3	DL		<0.956	<0.954	<0.982	<0.995	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16		3.92	5.74	4.59	4.73	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7						
Copper	7440-50-8	MG/KG	620	9400	700	3.72						
Lead	7439-92-1	MG/KG	400	800	270	20.5			12.1	14.1	14.2	14.9
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215		0.0515 J	<0.0990	<0.100	<0.0990	<0.0980
Nickel	7440-02-0	MG/KG	300	4400	130	5.54						
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		<0.159	83.9	7.41	8.55	<0.995
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL						

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							Sample Name	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3
							Date Sampled	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996
							Start Depth - End Depth	0 - 4				
							Sample Purpose	FS	FS	FS	DUP	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL						
Vanadium	7440-62-2	MG/KG	78	1200		22.8						
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1						

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SS-4	SWMU16-SS-1	SWMU16-SS-4
							Sample Name	BRE-SS-4	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-4(0-4)
							Date Sampled	04/29/1996	07/12/2004	07/12/2004
							Start Depth - End Depth		1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0050	<0.0020	<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012		<0.0050	<0.0020	<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032		<0.0050	<0.0020	<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0050	<0.0020	<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0050	<0.0020	<0.0010	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0050	<0.0020	<0.0010	
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0500	<0.0050	<0.0040	
Acetone	67-64-1	MG/KG	12000	100000	24		<0.1000	0.2200	0.0500	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0050	<0.00090 UJ	<0.00060 UJ	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.1000	<0.0020	<0.0010	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0050	<0.0020 UJ	<0.0010 UJ	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0050	<0.0020	<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0050	<0.0020	<0.0010	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0050	<0.0020 UJ	<0.0010 UJ	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			3.4000 B	2.6000 B	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.1000	0.0370	<0.0050	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0500	<0.0050	<0.0040	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0050	<0.0040	<0.0020	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0020	<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0050	<0.0020	<0.0010	
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0050	0.0020 J	<0.0010 UJ	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0050	<0.0020	<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0050	<0.0020	<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0050	<0.0040	<0.0020	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0100	<0.0020	<0.0010	
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0050	<0.0020 UJ	<0.0010 UJ	
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.3300	<0.4100	<0.0410	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.4100	<0.0410	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			4.6000	<0.0410	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.3300	<0.4100	<0.0410	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.3300	<0.4100	<0.0410	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.3300	9.1000	<0.0410	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				1.3000 J	<0.0810	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.8200	<0.0810	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.4100	<0.0410	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.3300	25.0000	<0.0410	
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.3300	<0.4100	<0.0410	
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.3300	37.0000	<0.0410	
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.4100	<0.0410	

Table 8
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SS-4	SWMU16-SS-1	SWMU16-SS-4
							Sample Name	BRE-SS-4	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-4(0-4)
							Date Sampled	04/29/1996	07/12/2004	07/12/2004
							Start Depth - End Depth		1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.3300	48.0000	0.1500 J	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.3300	51.0000	0.2000 J	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.3300	12.0000	0.0730 J	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.3300	23.0000	0.0850 J	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.3300	41.0000	0.1600 J	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<1.7000	<2.1000	<0.2000	
Biphenyl	92-52-4	MG/KG	9.4	40	43			2.4000 J	<0.0410	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.3300	<1.2000	<0.1200	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.3300	<0.8200	<0.0810	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			21.0000	<0.0410	
Chrysene	218-01-9	MG/KG	15	290	18		<0.3300	54.0000	0.1700 J	
Diallate	2303-16-4	MG/KG	8.7	38				<0.4100	<0.0410	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.3300	4.2000	<0.0410	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.3300	15.0000	<0.0410	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.3300	<0.8200	<0.0810	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				<0.4100	<0.0410	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.3300	130.0000	0.3100 J	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.3300	26.0000	<0.0410	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.3300	15.0000	0.0810 J	
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.3300	28.0000	<0.0410	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.3300	<0.8200	<0.0810	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.3300	<0.4100	<0.0410	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.3300	<0.4100	<0.0410	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.3300	130.0000	0.1200 J	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.3300	<0.4100	<0.0410	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.3300	100.0000	0.2800 J	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL		<0.906	<0.904	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	<4.77	2.16	0.705 J	
Barium	7440-39-3	MG/KG	3000	44000	580	133	30.8	40.7	24.9	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7		0.231 J	0.477 J	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.955	1.00	0.205 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	4.78	20.0	2.32	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7		4.46	0.846	
Copper	7440-50-8	MG/KG	620	9400	700	3.72		28.6	1.82	
Lead	7439-92-1	MG/KG	400	800	270	20.5	15.9	16.7	9.47	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	<0.100	0.0482 B	0.0156 B	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54		36.9	1.67	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.955	1.05	0.161 J	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL		<1.13	<1.12	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SS-4	SWMU16-SS-1	SWMU16-SS-4
							Sample Name	BRE-SS-4	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-4(0-4)
							Date Sampled	04/29/1996	07/12/2004	07/12/2004
							Start Depth - End Depth		1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
									4.66 B	3.49 B
Tin	7440-31-5	MG/KG	9400	100000	10000	DL				
Vanadium	7440-62-2	MG/KG	78	1200		22.8		119	6.50	
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		170	13.8	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1
							Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)
							Date Sampled	07/29/2004	07/29/2004	07/09/2004
							Start Depth - End Depth	1 - 5	1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2				<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012				<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032				<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03				<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3				<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002				<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17				<0.0030	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24				0.0240	0.0360
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073				<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8				<0.0010	0.0010 J
Chlorobenzene	108-90-7	MG/KG	56	260	0.43				<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34				<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36				<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1				<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.7000			3.8000 B
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16				<0.0050	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43				<0.0030	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023				<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26					<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005				<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5				<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51				<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018				<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24				<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04				<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8				<0.0010	<0.0010
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2				<0.2000	<0.0410
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9					<0.2000	<0.0410
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055				<0.2000	<0.0410
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4				<0.2000	<0.0410
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000					<0.2000	<0.0410
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6				<0.2000	<0.0410
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10					<0.4000	<0.0820
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12				<0.4000	<0.0820
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085					<0.2000	<0.0410
Acenaphthene	83-32-9	MG/KG	700	9000	8.4				<0.2000	<0.0410
Acenaphthylene	208-96-8	MG/KG	700	9000	21				<0.2000	<0.0410
Anthracene	120-12-7	MG/KG	3400	46000	660				<0.2000	<0.0410
Benzaldehyde	100-52-7	MG/KG	1200	1200	3				<0.2000	<0.0410

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1
							Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)
							Date Sampled	07/29/2004	07/29/2004	07/09/2004
							Start Depth - End Depth	1 - 5	1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.2000	<0.0410	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.2000	<0.0410	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.2000	<0.0410	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.2000	<0.0410	
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.2000	<0.0410	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			<1.0000	<0.2000	
Biphenyl	92-52-4	MG/KG	9.4	40	43			<0.2000	<0.0410	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			<0.6100	<0.1200	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.4000	<0.0820	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.2000	<0.0410	
Chrysene	218-01-9	MG/KG	15	290	18			<0.2000	<0.0410	
Diallate	2303-16-4	MG/KG	8.7	38				<0.2000	<0.0410	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.2000	<0.0410	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.2000	<0.0410	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.4000	<0.0820	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				0.3600 J	<0.0410	
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.2000	<0.0410	
Fluorene	86-73-7	MG/KG	460	6000	56			<0.2000	<0.0410	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.2000	<0.0410	
Naphthalene	91-20-3	MG/KG	4	17	0.21			<0.2000	<0.0410	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.4000	<0.0820	
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.2000	<0.0410	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.2000	<0.0410	
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.2000	<0.0410	
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.2000	<0.0410	
Pyrene	129-00-0	MG/KG	340	4600	220			<0.2000	<0.0410	
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL		<0.880	<0.871	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81		1.09 B	2.19	
Barium	7440-39-3	MG/KG	3000	44000	580	133		33.1	54.6	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7		1.17	1.07	
Cadmium	7440-43-9	MG/KG	14	200	3	DL		<0.0666	<0.0659	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16		5.26	4.41	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7		2.13	2.86	
Copper	7440-50-8	MG/KG	620	9400	700	3.72		2.60	4.19	
Lead	7439-92-1	MG/KG	400	800	270	20.5		14.2	13.9	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215		0.0277 J	0.0347 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54		4.41	3.64	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		0.238 J	<0.153	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL		<1.09	<1.08	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1
							Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)
							Date Sampled	07/29/2004	07/29/2004	07/09/2004
							Start Depth - End Depth	1 - 5	1 - 5	0 - 4
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		3.70 B	5.45 B	
Vanadium	7440-62-2	MG/KG	78	1200		22.8		16.5	13.0	
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		25.2	28.0	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU2C-SS-1	SWMU9-SS-1	SWMU9-SS-2
							Sample Name	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)
							Date Sampled	07/23/2004	07/21/2004	07/22/2004
							Start Depth - End Depth	1 - 5	0 - 2.5	0 - 2
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0010		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012			<0.0010		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032			<0.0010		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0010		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0010		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0010		
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0030		
Acetone	67-64-1	MG/KG	12000	100000	24			0.0470		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00050		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			0.0010 J		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0010		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0010		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0010		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0010		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0040		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0030		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0020		
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0010		
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0010		
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0010		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0010		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0010		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0020		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0010		
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0010		
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0400		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0400		
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0400		
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0400		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0400		
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0400		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0800		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0800		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0400		
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0400		
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0400		
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0400		
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.0400		

Table 8
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU2C-SS-1	SWMU9-SS-1	SWMU9-SS-2
							Sample Name	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)
							Date Sampled	07/23/2004	07/21/2004	07/22/2004
							Start Depth - End Depth	1 - 5	0 - 2.5	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400			
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400			
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400			
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400			
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400			
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000			
Biphenyl	92-52-4	MG/KG	9.4	40	43					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		0.1300 J			
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0800			
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400			
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400			
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400			
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400			
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0800			
Diphenyl Ether	101-84-8	MG/KG	2700	19000						
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400			
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400			
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400			
Naphthalene	91-20-3	MG/KG	4	17	0.21		<0.0400			
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0800			
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400			
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400			
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400			
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.870 UJ	<0.855 UJ	<0.791 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	2.15	2.17	1.52	
Barium	7440-39-3	MG/KG	3000	44000	580	133	50.1	36.4	32.2	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.07	0.928	0.910	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0658	<0.0647	<0.0599	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	6.79	8.56	3.72	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	2.50	6.82	5.32	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	6.66	5.00	2.48	
Lead	7439-92-1	MG/KG	400	800	270	20.5	21.9	26.2	7.53	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0502 J	0.0454 J	<0.0036	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	5.13	9.43	3.18	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	<0.153	0.203 J	1.91	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	<1.08	<1.06	<0.984	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU2C-SS-1	SWMU9-SS-1	SWMU9-SS-2
							Sample Name	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)
							Date Sampled	07/23/2004	07/21/2004	07/22/2004
							Start Depth - End Depth	1 - 5	0 - 2.5	0 - 2
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		5.31 B	4.69 B	4.52 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		15.0	24.9	16.8
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		44.8	26.7	33.3

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
							Sample Name	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2					
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012					
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032					
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03					
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3					
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002					
2-Hexanone	591-78-6	MG/KG	40	260	0.17					
Acetone	67-64-1	MG/KG	12000	100000	24					
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073					
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8					
Chlorobenzene	108-90-7	MG/KG	56	260	0.43					
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34					
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36					
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1					
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16					
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43					
Methylene Chloride	75-09-2	MG/KG	57	640	0.023					
Pentachloroethane	76-01-7	MG/KG	5.9	26						
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005					
Toluene	108-88-3	MG/KG	820	820	5.5					
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51					
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018					
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24					
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04					
Xylenes	1330-20-7	MG/KG	120	260	5.8					
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2					
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4					
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000						
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6					
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10						
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12					
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085						
Acenaphthene	83-32-9	MG/KG	700	9000	8.4					
Acenaphthylene	208-96-8	MG/KG	700	9000	21					
Anthracene	120-12-7	MG/KG	3400	46000	660					
Benzaldehyde	100-52-7	MG/KG	1200	1200	3					

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
							Sample Name	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18					
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6					
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800					
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9					
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059					
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2					
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150					
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18					
Diallate	2303-16-4	MG/KG	8.7	38						
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19					
Dibenzofuran	132-64-9	MG/KG	14	200	5.2					
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19					
Diphenyl Ether	101-84-8	MG/KG	2700	19000						
Fluoranthene	206-44-0	MG/KG	460	6000	330					
Fluorene	86-73-7	MG/KG	460	6000	56					
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2					
Naphthalene	91-20-3	MG/KG	4	17	0.21					
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38					
Nitrobenzene	98-95-3	MG/KG	5.1	22						
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470						
Phenanthrene	85-01-8	MG/KG	3400	46000	68					
Phenol	108-95-2	MG/KG	3600	50000	0.23					
Pyrene	129-00-0	MG/KG	340	4600	220					
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.864 UJ	<0.831 UJ	<0.818 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	0.958 J	1.98	1.94	
Barium	7440-39-3	MG/KG	3000	44000	580	133	224	50.5	23.1	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.69	1.09	0.516 J	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0654	<0.0629	<0.0619	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	2.96	7.35	11.4	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	5.77	4.73	2.03	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	2.08	3.19	4.61	
Lead	7439-92-1	MG/KG	400	800	270	20.5	7.97	14.9	15.9	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	<0.0039	0.0245 J	0.0408 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	2.96	5.40	4.76	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	0.715	10.2	4.51	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	<1.07	1.09 J	<1.02	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
							Sample Name	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		5.31 B	5.05 B	4.70 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		16.3	24.0	29.2
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		45.1	29.8	16.3

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8
							Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2					
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012					
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032					
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03					
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3					
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002					
2-Hexanone	591-78-6	MG/KG	40	260	0.17					
Acetone	67-64-1	MG/KG	12000	100000	24					
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073					
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8					
Chlorobenzene	108-90-7	MG/KG	56	260	0.43					
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34					
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36					
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1					
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16					
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43					
Methylene Chloride	75-09-2	MG/KG	57	640	0.023					
Pentachloroethane	76-01-7	MG/KG	5.9	26						
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005					
Toluene	108-88-3	MG/KG	820	820	5.5					
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51					
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018					
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24					
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04					
Xylenes	1330-20-7	MG/KG	120	260	5.8					
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2					
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4					
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000						
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6					
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10						
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12					
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085						
Acenaphthene	83-32-9	MG/KG	700	9000	8.4					
Acenaphthylene	208-96-8	MG/KG	700	9000	21					
Anthracene	120-12-7	MG/KG	3400	46000	660					
Benzaldehyde	100-52-7	MG/KG	1200	1200	3					

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8
							Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18					
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6					
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800					
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9					
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059					
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2					
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150					
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18					
Diallate	2303-16-4	MG/KG	8.7	38						
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19					
Dibenzofuran	132-64-9	MG/KG	14	200	5.2					
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19					
Diphenyl Ether	101-84-8	MG/KG	2700	19000						
Fluoranthene	206-44-0	MG/KG	460	6000	330					
Fluorene	86-73-7	MG/KG	460	6000	56					
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2					
Naphthalene	91-20-3	MG/KG	4	17	0.21					
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38					
Nitrobenzene	98-95-3	MG/KG	5.1	22						
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470						
Phenanthrene	85-01-8	MG/KG	3400	46000	68					
Phenol	108-95-2	MG/KG	3600	50000	0.23					
Pyrene	129-00-0	MG/KG	340	4600	220					
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	1.27 J	<0.861 UJ	<0.869 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.54	1.68	1.76	
Barium	7440-39-3	MG/KG	3000	44000	580	133	55.1	59.7	41.3	
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.05	1.07	1.21	
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0686	<0.0652	<0.0658	
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	22.4	6.74	3.99	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	3.76	4.83	6.17	
Copper	7440-50-8	MG/KG	620	9400	700	3.72	25.9	4.70	3.26	
Lead	7439-92-1	MG/KG	400	800	270	20.5	12.2	12.5	8.35	
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.206	0.0167 J	0.0154 J	
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	9.51	5.82	5.42	
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	530	75.0	9.59	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	2.10 J	1.49 J	<1.08	

Table 8
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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8
							Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)
							Date Sampled	07/22/2004	07/22/2004	07/22/2004
							Start Depth - End Depth	0 - 2	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		6.41 B	4.76 B	4.75 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8		27.4	19.9	16.6
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		87.3	35.6	30.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID
							SWMU9-SS-9
							Sample Name
							BRE-S-SWMU9-SS-9(0-2)
							Date Sampled
07/22/2004							
							Start Depth - End Depth
							0 - 2
							Sample Purpose
							FS
<i>Volatile Organic Compound</i>							
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		
2-Hexanone	591-78-6	MG/KG	40	260	0.17		
Acetone	67-64-1	MG/KG	12000	100000	24		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		
Pentachloroethane	76-01-7	MG/KG	5.9	26			
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		
Toluene	108-88-3	MG/KG	820	820	5.5		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		
Xylenes	1330-20-7	MG/KG	120	260	5.8		
<i>Semivolatile Organic Compound</i>							
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		
Acenaphthylene	208-96-8	MG/KG	700	9000	21		
Anthracene	120-12-7	MG/KG	3400	46000	660		
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		

Table 8
Constituents of Potential Concern in Historic Surface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID
							SWMU9-SS-9
							Sample Name
							BRE-S-SWMU9-SS-9(0-2)
							Date Sampled
07/22/2004							
							Start Depth - End Depth
							0 - 2
							Sample Purpose
							FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		
Benzo(A)Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		
Biphenyl	92-52-4	MG/KG	9.4	40	43		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		
Carbazole	86-74-8	MG/KG	NA	NA	0.37		
Chrysene	218-01-9	MG/KG	15	290	18		
Diallate	2303-16-4	MG/KG	8.7	38			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		
Diphenyl Ether	101-84-8	MG/KG	2700	19000			
Fluoranthene	206-44-0	MG/KG	460	6000	330		
Fluorene	86-73-7	MG/KG	460	6000	56		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		
Naphthalene	91-20-3	MG/KG	4	17	0.21		
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		
Nitrobenzene	98-95-3	MG/KG	5.1	22			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		
Phenol	108-95-2	MG/KG	3600	50000	0.23		
Pyrene	129-00-0	MG/KG	340	4600	220		
Diesel Range Organics	394878-87-0	MG/KG	--	--	--		
Inorganics							
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL	<0.869 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81	1.29
Barium	7440-39-3	MG/KG	3000	44000	580	133	69.4
Beryllium	7440-41-7	MG/KG	32	460	63	2.7	1.18
Cadmium	7440-43-9	MG/KG	14	200	3	DL	<0.0658
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16	6.34
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7	5.02
Copper	7440-50-8	MG/KG	620	9400	700	3.72	5.36
Lead	7439-92-1	MG/KG	400	800	270	20.5	11.4
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215	0.0383 J
Nickel	7440-02-0	MG/KG	300	4400	130	5.54	5.27
Silver	7440-22-4	MG/KG	78	1200	3.4	DL	120
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL	1.71 J

Table 8
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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID
							SWMU9-SS-9
							Sample Name
							BRE-S-SWMU9-SS-9(0-2)
							Date Sampled
07/22/2004							
							Start Depth - End Depth
							0 - 2
							Sample Purpose
							FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL	5.56 B
Vanadium	7440-62-2	MG/KG	78	1200		22.8	17.9
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1	39.9

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Migration to Groundwater (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	15-SS1-9	15-SS2-8	15-SS3-8	15-SS4-2	15-SS5-2	22
						Sample Name	BRE-15-SS1-9	BRE-15-SS2-8	BRE-15-SS3-8	BRE-15SS4-2	BRE-15SS5-2	BRE-S-22(26.5-28)
						Date Sampled	08/30/1995	08/30/1995	08/30/1995	08/28/1995	08/28/1995	09/25/2008
						Start Depth - End Depth						26.5 - 28
						Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compound												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0500	<0.0500	<0.0500	0.3100	<0.0500	0.0070 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00040
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40							<12.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	<0.0030
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26								<0.00080
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00080
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.00080
Semivolatile Organic Compound												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0780
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10								<0.0780
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12							<0.0780
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085								<0.0390
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Anthracene	120-12-7	MG/KG	3400	46000	660		0.4100	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	15-SS1-9	15-SS2-8	15-SS3-8	15-SS4-2	15-SS5-2	22
						Sample Name	BRE-15-SS1-9	BRE-15-SS2-8	BRE-15-SS3-8	BRE-15SS4-2	BRE-15SS5-2	BRE-S-22(26.5-28)
						Date Sampled	08/30/1995	08/30/1995	08/30/1995	08/28/1995	08/28/1995	09/25/2008
						Start Depth - End Depth						26.5 - 28
						Sample Purpose	FS	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		0.5000	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		0.4900	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		0.4000	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<1.7000	<1.7000	<1.7000	<1.7000	<1.7000	
Biphenyl	92-52-4	MG/KG	9.4	40	43							<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0780
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		0.4500	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Diallate	2303-16-4	MG/KG	8.7	38								<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		0.8700	1.6000	1.4000	<0.3300	<0.3300	<0.0780
Diphenyl Ether	101-84-8	MG/KG	2700	19000								<0.0390
Fluoranthene	206-44-0	MG/KG	460	6000	330		1.1000	<0.3300	<0.3300	0.3600	<0.3300	<0.0390
Fluorene	86-73-7	MG/KG	460	6000	56		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0780
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000	68		1.1000	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Pyrene	129-00-0	MG/KG	340	4600	220		0.7700	<0.3300	<0.3300	<0.3300	<0.3300	<0.0390
Diesel Range Organics	394878-87-0	MG/KG										
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9							<0.272 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		10.3	14.9	11.5	5.41	<9.49	0.639 J
Barium	7440-39-3	MG/KG	3000	44000	580		21.8	51.7	27.9	33.8	38.6	48.5
Beryllium	7440-41-7	MG/KG	32	460	63							1.34
Cadmium	7440-43-9	MG/KG	14	200	3		<0.905	<0.958	<0.933	<0.973	<0.949	<0.162
Chromium	7440-47-3	MG/KG	24000	100000	360000		16	13.2	16.8	16.4	22.1	<0.690
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)							0.414 J
Copper	7440-50-8	MG/KG	620	9400	700							0.971 J
Lead	7439-92-1	MG/KG	400	800	270		12.4	22.1	12.4	15.8	14.9	9.94
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0952	<0.0980	<0.100	<0.0971	<0.0952	<0.0132
Nickel	7440-02-0	MG/KG	300	4400	130							<0.895

Table 9
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 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	15-SS1-9	15-SS2-8	15-SS3-8	15-SS4-2	15-SS5-2	22
						Sample Name	BRE-15-SS1-9	BRE-15-SS2-8	BRE-15-SS3-8	BRE-15SS4-2	BRE-15SS5-2	BRE-S-22(26.5-28)
						Date Sampled	08/30/1995	08/30/1995	08/30/1995	08/28/1995	08/28/1995	09/25/2008
						Start Depth - End Depth						26.5 - 28
						Sample Purpose	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4	<0.905	<0.958	<0.933	<0.973	<0.949	<0.0793	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28						0.277 J	
Tin	7440-31-5	MG/KG	9400	100000	10000						2.82 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)						4.17	
Zinc	7440-66-6	MG/KG	4600	70000	1200						12.4	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	23	24	27	28	29	30
						Sample Name	BRE-S-23(28-30)	BRE-S-24(33-35)	BRE-S-27(20-25)	BRE-S-28(20-25)	BRE-S-29(20-25)	BRE-S-30(10-13)
						Date Sampled	09/25/2008	09/25/2008	09/27/2008	09/26/2008	09/26/2008	09/27/2008
						Start Depth - End Depth	28 - 30	33 - 35	20 - 25	20 - 25	20 - 25	10 - 13
						Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compound												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0020	<0.0020	<0.0030	<0.1100	<0.0020	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0050	0.0160	<0.0080	<0.2600	0.0160	0.0180 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00030	<0.00040	<0.00050	<0.0180	<0.00040	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.00070	0.0010 J	<0.0010	<0.0370	<0.00070	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<12.0000	<11.0000	<11.0000	<13.0000	<11.0000	<11.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0030	<0.0030	<0.0040	<0.1500	<0.0030	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0020	<0.0020	<0.0030	<0.1100	<0.0020	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0010	<0.0020	<0.0020	<0.0730	<0.0010	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0010	<0.0020	<0.0020	<0.0730	<0.0010	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.00070	<0.00080	<0.0010	<0.0370	<0.00070	<0.0010
Semivolatile Organic Compound												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	23	24	27	28	29	30
						Sample Name	BRE-S-23(28-30)	BRE-S-24(33-35)	BRE-S-27(20-25)	BRE-S-28(20-25)	BRE-S-29(20-25)	BRE-S-30(10-13)
						Date Sampled	09/25/2008	09/25/2008	09/27/2008	09/26/2008	09/26/2008	09/27/2008
						Start Depth - End Depth	28 - 30	33 - 35	20 - 25	20 - 25	20 - 25	10 - 13
						Sample Purpose	FS	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0390	<0.0370	<0.0360	<0.0430	360.0000	<0.0370
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Diallate	2303-16-4	MG/KG	8.7	38			<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0390	<0.0370	<0.0360	<0.0430	1.1000	<0.0370
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0390	0.0630 J	<0.0360	0.0900 J	930.0000	0.4000
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0390	<0.0370	<0.0360	<0.0430	0.0420 J	<0.0370
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0780	<0.0740	<0.0720	<0.0860	<0.0750	<0.0740
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0390	<0.0370	<0.0360	<0.0430	0.1500 J	<0.0370
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0390	<0.0370	<0.0360	<0.0430	<0.0370	<0.0370
Diesel Range Organics	394878-87-0	MG/KG										
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.268 UJ	<0.259 UJ	<0.252 UJ	<0.298 UJ	<0.264 UJ	<0.259 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		0.574 J	1.12 J	0.483 J	0.312 J	0.814 J	0.662 J
Barium	7440-39-3	MG/KG	3000	44000	580		47.8	45.5	36.7	29.0	29.3	19.8
Beryllium	7440-41-7	MG/KG	32	460	63		1.79	1.15	1.27	1.81	1.25	0.927
Cadmium	7440-43-9	MG/KG	14	200	3		<0.159	<0.154	<0.150	<0.178	<0.157	<0.154
Chromium	7440-47-3	MG/KG	24000	100000	360000		<0.677	<0.656	<0.638	<0.756	<0.668	2.87
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		0.533 J	0.582	1.04 B	0.762	0.746	1.85
Copper	7440-50-8	MG/KG	620	9400	700		1.74 J	0.725 J	<0.532	1.48 J	0.663 J	0.981 J
Lead	7439-92-1	MG/KG	400	800	270		10.3	7.93	6.46 J	10.4	10.6	13.5 J
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0133	<0.0121	<0.0124	<0.0140	<0.0129	<0.0126
Nickel	7440-02-0	MG/KG	300	4400	130		<0.879	<0.852	<0.828	<0.981	<0.868	1.03 J

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	23	24	27	28	29	30
						Sample Name	BRE-S-23(28-30)	BRE-S-24(33-35)	BRE-S-27(20-25)	BRE-S-28(20-25)	BRE-S-29(20-25)	BRE-S-30(10-13)
						Date Sampled	09/25/2008	09/25/2008	09/27/2008	09/26/2008	09/26/2008	09/27/2008
						Start Depth - End Depth	28 - 30	33 - 35	20 - 25	20 - 25	20 - 25	10 - 13
						Sample Purpose	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4	<0.0794	<0.0762	<0.0734	<0.0895	<0.0776	<0.0755	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	0.353 J	0.237 J	0.447 J	0.273 J	0.220 J	0.246 J	
Tin	7440-31-5	MG/KG	9400	100000	10000	2.26 B	2.51 B	3.42 B	2.60 B	2.50 B	3.58 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)	2.97	3.74	2.90	4.37	3.12	6.34	
Zinc	7440-66-6	MG/KG	4600	70000	1200	12.8	11.7	11.8	13.9	23.1	26.0	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	30	31	32	33	34
						Sample Name	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-32(15-20)	BRE-S-33(17-22)	BRE-S-34(15-20)
						Date Sampled	09/27/2008	09/29/2008	09/27/2008	09/28/2008	09/28/2008
						Start Depth - End Depth	10 - 13	14 - 19	15 - 20	17 - 22	15 - 20
						Sample Purpose	DUP	FS	FS	FS	FS
Volatile Organic Compound											
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24		0.0170 J	<0.0080	<0.0080	0.0230	0.0230
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00050	<0.00060	<0.00060	<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		0.0010 J	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<11.0000	<11.0000	<11.0000	<11.0000	<12.0000 UJ
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0040	<0.0040	<0.0050	<0.0040	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compound											
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9							
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055						
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390

Table 9
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	30	31	32	33	34
						Sample Name	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-32(15-20)	BRE-S-33(17-22)	BRE-S-34(15-20)
						Date Sampled	09/27/2008	09/29/2008	09/27/2008	09/28/2008	09/28/2008
						Start Depth - End Depth	10 - 13	14 - 19	15 - 20	17 - 22	15 - 20
						Sample Purpose	DUP	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3						
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
Carbazole	86-74-8	MG/KG	NA	NA	0.37						
Chrysene	218-01-9	MG/KG	15	290	18		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Diallate	2303-16-4	MG/KG	8.7	38			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0740	<0.0740	<0.0730	<0.0760	<0.0780
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0370	<0.0370	<0.0370	<0.0380	<0.0390
Diesel Range Organics	394878-87-0	MG/KG									
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.261 UJ	<0.262 UJ	<0.253 UJ	<0.261 UJ	<0.278 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		0.886 J	0.701 J	1.64 J	2.87	0.241 J
Barium	7440-39-3	MG/KG	3000	44000	580		18.7	41.4	131	57.0	12.1
Beryllium	7440-41-7	MG/KG	32	460	63		0.994	1.65	1.51	0.893	0.986
Cadmium	7440-43-9	MG/KG	14	200	3		<0.155	<0.156	<0.150	<0.156	<0.165
Chromium	7440-47-3	MG/KG	24000	100000	360000		2.06 J	<0.663	<0.640	3.48	<0.703
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		1.77	1.45	1.14	3.99	1.30
Copper	7440-50-8	MG/KG	620	9400	700		0.852 J	0.756 J	1.66 J	5.27	3.93
Lead	7439-92-1	MG/KG	400	800	270		10.8 J	8.22 J	10.1 J	6.32 J	11.4
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0126	<0.0118	<0.0123	<0.0124	<0.0132
Nickel	7440-02-0	MG/KG	300	4400	130		<0.859	8.07	<0.831	3.49	0.975 J

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	30	31	32	33	34
						Sample Name	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-32(15-20)	BRE-S-33(17-22)	BRE-S-34(15-20)
						Date Sampled	09/27/2008	09/29/2008	09/27/2008	09/28/2008	09/28/2008
						Start Depth - End Depth	10 - 13	14 - 19	15 - 20	17 - 22	15 - 20
						Sample Purpose	DUP	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4	<0.0761	<0.0762	<0.0736	1.57	<0.0808	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	0.264 J	0.253 J	0.336 J	0.339 J	<0.176	
Tin	7440-31-5	MG/KG	9400	100000	10000	3.48 B	3.04 B	3.32 B	3.33 B	2.32 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)	5.72	6.38	5.40	15.2	4.73	
Zinc	7440-66-6	MG/KG	4600	70000	1200	22.2	19.7	19.6	47.1	18.1	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	35	35	36	36	7SS1-SED
						Sample Name	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP	BRE-S-36(10-15)-DUP	BRE-S-36(10-15)	BRE-7SS1-SED
						Date Sampled	09/29/2008	09/29/2008	09/28/2008	09/28/2008	08/24/1995
						Start Depth - End Depth	18 - 23	18 - 23	10 - 15	10 - 15	
						Sample Purpose	FS	DUP	DUP	FS	FS
Volatile Organic Compound											
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030	<0.0040	<0.0030	<0.0030	<0.0500
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0080	0.0110 J	0.0140 J	0.0170 J	<0.0500
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00060	<0.00060	<0.00050	<0.00060	<0.0050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		0.0020 J	<0.0010	<0.0010	<0.0010	<0.0050
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<11.0000	<11.0000	<11.0000 UJ	<11.0000 UJ	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050	<0.0050	<0.0040	<0.0040	<0.1000
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030	<0.0040	<0.0030	<0.0030	<0.0500
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0050
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0050
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	<0.0010	<0.0100
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0050
Semivolatile Organic Compound											
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9							
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055						
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0760	<0.0760	<0.0700	<0.0750	<0.3300
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0760	<0.0760	<0.0700	<0.0750	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0760	<0.0760	<0.0700	<0.0750	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0380	<0.0380	<0.0350	<0.0370	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	35	35	36	36	7SS1-SED
						Sample Name	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP	BRE-S-36(10-15)-DUP	BRE-S-36(10-15)	BRE-7SS1-SED
						Date Sampled	09/29/2008	09/29/2008	09/28/2008	09/28/2008	08/24/1995
						Start Depth - End Depth	18 - 23	18 - 23	10 - 15	10 - 15	
						Sample Purpose	FS	DUP	DUP	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3						
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						<1.7000
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0380	<0.0380	<0.0350	<0.0370	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.0760	<0.0760	<0.0700	<0.0750	<0.3300
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0760	<0.0760	<0.0700	<0.0750	<0.3300
Carbazole	86-74-8	MG/KG	NA	NA	0.37						
Chrysene	218-01-9	MG/KG	15	290	18		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Diallate	2303-16-4	MG/KG	8.7	38			<0.0380	<0.0380	<0.0350	<0.0370	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0760	<0.0760	<0.0700	<0.0750	<0.3300
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0380	<0.0380	<0.0350	<0.0370	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0760	<0.0760	<0.0700	<0.0750	<0.3300
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0380	<0.0380	<0.0350	<0.0370	<0.3300
Diesel Range Organics	394878-87-0	MG/KG									
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.264 UJ	<0.261 UJ	<0.239 UJ	<0.258 UJ	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		0.827 J	1.20 J	1.07 J	1.29 J	<4.9
Barium	7440-39-3	MG/KG	3000	44000	580		34.9	34.2	30.4	30.8	25
Beryllium	7440-41-7	MG/KG	32	460	63		1.38	1.46	1.68	1.70	
Cadmium	7440-43-9	MG/KG	14	200	3		<0.157	<0.155	<0.142	<0.153	<0.98
Chromium	7440-47-3	MG/KG	24000	100000	360000		0.689 J	1.02 J	<0.606	<0.652	2.59
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		1.74	1.75	1.47	1.58	
Copper	7440-50-8	MG/KG	620	9400	700		2.91	3.26	2.23	2.62	
Lead	7439-92-1	MG/KG	400	800	270		13.8 J	14.6 J	15.2	11.0	7.01
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0125	<0.0124	<0.0117	<0.0127	<0.0990
Nickel	7440-02-0	MG/KG	300	4400	130		<0.867	<0.858	0.874 J	0.992 J	

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	35	35	36	36	7SS1-SED
						Sample Name	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP	BRE-S-36(10-15)-DUP	BRE-S-36(10-15)	BRE-7SS1-SED
						Date Sampled	09/29/2008	09/29/2008	09/28/2008	09/28/2008	08/24/1995
						Start Depth - End Depth	18 - 23	18 - 23	10 - 15	10 - 15	
						Sample Purpose	FS	DUP	DUP	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4	<0.0768	<0.0760	<0.0697	<0.0750	2.64	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	0.346 J	0.297 J	0.302 J	0.324 J		
Tin	7440-31-5	MG/KG	9400	100000	10000	3.57 B	3.36 B	3.71 B	2.35 B		
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)	6.10	5.91	5.14	4.90		
Zinc	7440-66-6	MG/KG	4600	70000	1200	22.3	21.1	21.1	21.4		

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	7SS2-SED	7SS2-SED	7SS3-SED	7SS4-SED	7SS5-SED	A-SS6-30
						Sample Name	BRE-7SS2-SED	BRE-7SS2-SED-DUP	BRE-7SS3-SED	BRE-7SS4-SED	BRE-7SS5-SED	BRE-A-SS6-30
						Date Sampled	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/30/1995
						Start Depth - End Depth						
						Sample Purpose	FS	DUP	FS	FS	FS	FS
Volatile Organic Compound												
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40							
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Pentachloroethane	76-01-7	MG/KG	5.9	26								
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0050	<0.0050	<0.0050	0.0260	<0.0050	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Semivolatile Organic Compound												
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9								
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055							
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10								
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12							
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085								
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	7SS2-SED	7SS2-SED	7SS3-SED	7SS4-SED	7SS5-SED	A-SS6-30
						Sample Name	BRE-7SS2-SED	BRE-7SS2-SED-DUP	BRE-7SS3-SED	BRE-7SS4-SED	BRE-7SS5-SED	BRE-A-SS6-30
						Date Sampled	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/30/1995
						Start Depth - End Depth						
						Sample Purpose	FS	DUP	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3							
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<1.7000	<1.7000	<1.7000	<1.7000	<1.7000	
Biphenyl	92-52-4	MG/KG	9.4	40	43							
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		0.5400	<0.3300	<0.3300	<0.3300	<0.3300	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Diallate	2303-16-4	MG/KG	8.7	38								
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Diphenyl Ether	101-84-8	MG/KG	2700	19000								
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.3300	<0.3300	<0.3300	<0.3300	<0.3300	
Diesel Range Organics	394878-87-0	MG/KG										<1.67
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9							
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		<4.94	<4.79	12.3	<9.69	<4.86	
Barium	7440-39-3	MG/KG	3000	44000	580		18.2	22.5	67.1	63.3	42.3	
Beryllium	7440-41-7	MG/KG	32	460	63							
Cadmium	7440-43-9	MG/KG	14	200	3		<0.988	<0.958	<0.963	<0.969	<0.973	
Chromium	7440-47-3	MG/KG	24000	100000	360000		14.2	1.62	3.6	3.84	2.41	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)							
Copper	7440-50-8	MG/KG	620	9400	700							
Lead	7439-92-1	MG/KG	400	800	270		6.03	7.54	16.7	13.8	7.8	
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.100	<0.0952	<0.100	<0.100	<0.100	
Nickel	7440-02-0	MG/KG	300	4400	130							

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	7SS2-SED	7SS2-SED	7SS3-SED	7SS4-SED	7SS5-SED	A-SS6-30
						Sample Name	BRE-7SS2-SED	BRE-7SS2-SED-DUP	BRE-7SS3-SED	BRE-7SS4-SED	BRE-7SS5-SED	BRE-A-SS6-30
						Date Sampled	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/24/1995	08/30/1995
						Start Depth - End Depth						
						Sample Purpose	FS	DUP	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		1	2.95	<0.963	5.57	25.4	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28							
Tin	7440-31-5	MG/KG	9400	100000	10000							
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)							
Zinc	7440-66-6	MG/KG	4600	70000	1200							

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	A-SS7-20	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2	AOCA-SS-1
						Sample Name	BRE-A-SS7-20	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)	BRE-S-AOCA-SS-1(4-8)
						Date Sampled	08/30/1995	07/26/2004	07/26/2004	08/02/2004
						Start Depth - End Depth		4 - 8	2 - 6	4 - 8
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0010	<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.0040	<0.0040	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24			<0.0100	<0.0090	0.0250 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.00070	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.0010	<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40	<25.0000				<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.0060	<0.0050	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.0040	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.0030	0.0030 J	<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5			<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.0030	<0.0020	0.0150
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.0010	<0.0010	<0.0010
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0420	<0.0390	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0420	<0.0390	<0.0390
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0420	<0.0390	<0.0390
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0420	<0.0390	<0.0390
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0420	<0.0390	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0420	<0.0390	<0.0390
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0840	<0.0790	<0.0780
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0840	<0.0790	<0.0780
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0420	<0.0390	<0.0390
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0420	<0.0390	<0.0390
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0420	<0.0390	<0.0390
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0420	<0.0390	<0.0390

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	A-SS7-20	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2	AOCA-SS-1
						Sample Name	BRE-A-SS7-20	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)	BRE-S-AOCA-SS-1(4-8)
						Date Sampled	08/30/1995	07/26/2004	07/26/2004	08/02/2004
						Start Depth - End Depth		4 - 8	2 - 6	4 - 8
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.0420	<0.0390	<0.0390
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.0420	<0.0390	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.0420	<0.0390	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.0420	<0.0390	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0420	<0.0390	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.0420	<0.0390	<0.0390
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			<0.2100	<0.2000	<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43					<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			0.1800 J	<0.1200	0.2000 J
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0840	<0.0790	<0.0780
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.0420	<0.0390	<0.0390
Chrysene	218-01-9	MG/KG	15	290	18			<0.0420	<0.0390	<0.0390
Diallate	2303-16-4	MG/KG	8.7	38				<0.0420	<0.0390	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0420	<0.0390	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.0420	<0.0390	<0.0390
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0840	<0.0790	<0.0780
Diphenyl Ether	101-84-8	MG/KG	2700	19000						<0.0390
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.0420	<0.0390	<0.0390
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0420	<0.0390	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0420	<0.0390	<0.0390
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.0420	<0.0390	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0840	<0.0790	<0.0780
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0420	<0.0390	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0420	<0.0390	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.0420	<0.0390	<0.0390
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0420	<0.0390	<0.0390
Pyrene	129-00-0	MG/KG	340	4600	220			<0.0420	<0.0390	<0.0390
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9			<0.927 UJ	<0.863 UJ	<0.853 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			1.57	<0.560	1.06 J
Barium	7440-39-3	MG/KG	3000	44000	580			55.8	42.7	29.4
Beryllium	7440-41-7	MG/KG	32	460	63			1.87	1.06	1.36
Cadmium	7440-43-9	MG/KG	14	200	3			0.355 J	0.168 J	<0.0645
Chromium	7440-47-3	MG/KG	24000	100000	360000			4.84	4.22	0.818 J
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			3.87	6.88	2.31
Copper	7440-50-8	MG/KG	620	9400	700			9.61	5.74	0.512 J
Lead	7439-92-1	MG/KG	400	800	270			56.7	4.77	11.2
Mercury	7439-97-6	MG/KG	1.9	8.0	1			0.0254 J	0.0076 J	<0.0039
Nickel	7440-02-0	MG/KG	300	4400	130			8.69	2.94	0.475 J

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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	A-SS7-20	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2	AOCA-SS-1
						Sample Name	BRE-A-SS7-20	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)	BRE-S-AOCA-SS-1(4-8)
						Date Sampled	08/30/1995	07/26/2004	07/26/2004	08/02/2004
						Start Depth - End Depth		4 - 8	2 - 6	4 - 8
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.163	<0.152	<0.150	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.15	<1.07	1.43 J	
Tin	7440-31-5	MG/KG	9400	100000	10000		7.77 J	7.04 J	3.71 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		21.6	18.7	20.1	
Zinc	7440-66-6	MG/KG	4600	70000	1200		29.3	28.5	20.7	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-4	AOCB-SS-5
						Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)
						Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004
						Start Depth - End Depth	4 - 8	4 - 8	4 - 8	4 - 8
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	<0.0020
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010	<0.0010	<0.0010	<0.0020
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010	<0.0010	<0.0010	<0.0020
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	<0.0020
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	<0.0020
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	<0.0020
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040	<0.0030	<0.0040	<0.0050
Acetone	67-64-1	MG/KG	12000	100000	24		<0.0090	0.0130 J	<0.0090	<0.0110
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00070	<0.00060	<0.00060	<0.00080
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010	<0.0010	<0.0010	<0.0020
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	<0.0020
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	<0.0010	<0.0020
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	<0.0010	<0.0020
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	<0.0010	<0.0020
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.6000	<2.3000	<2.5000	<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050	<0.0050	<0.0050	<0.0060
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040	<0.0030	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030	<0.0020	<0.0020	<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	<0.0010	<0.0020
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	<0.0010	<0.0020
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	<0.0010	<0.0020
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	<0.0010	<0.0020
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030	<0.0020	<0.0020	<0.0030
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	<0.0020
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	<0.0010	<0.0020
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0430	<0.0390	<0.0380	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0430	<0.0390	<0.0380	<0.0380
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0430	<0.0390	<0.0380	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0430	<0.0390	<0.0380	<0.0380
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0430	<0.0390	<0.0380	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0430	<0.0390	<0.0380	<0.0380
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0860	<0.0770	<0.0760	<0.0760
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0860	<0.0770	<0.0760	<0.0760
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0430	<0.0390	<0.0380	<0.0380
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0430	<0.0390	<0.0380	<0.0380
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0430	<0.0390	<0.0380	<0.0380
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0430	<0.0390	<0.0380	<0.0380

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-4	AOCB-SS-5
						Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)
						Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004
						Start Depth - End Depth	4 - 8	4 - 8	4 - 8	4 - 8
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0430	<0.0390	<0.0380	<0.0380
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0430	<0.0390	<0.0380	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0430	<0.0390	<0.0380	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0430	<0.0390	<0.0380	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0430	<0.0390	<0.0380	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0430	<0.0390	<0.0380	<0.0380
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2200	<0.1900	<0.1900	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0430	<0.0390	<0.0380	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1300	<0.1200	<0.1100	<0.1100
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0860	<0.0770	<0.0760	<0.0760
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0430	<0.0390	<0.0380	<0.0380
Chrysene	218-01-9	MG/KG	15	290	18		<0.0430	<0.0390	<0.0380	<0.0380
Diallate	2303-16-4	MG/KG	8.7	38			<0.0430	<0.0390	<0.0380	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0430	<0.0390	<0.0380	<0.0380
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0430	<0.0390	<0.0380	<0.0380
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0860	<0.0770	<0.0760	<0.0760
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0430	<0.0390	<0.0380	<0.0380
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0430	<0.0390	<0.0380	<0.0380
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0430	<0.0390	<0.0380	<0.0380
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0430	<0.0390	<0.0380	<0.0380
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0430	<0.0390	<0.0380	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0860	<0.0770	<0.0760	<0.0760
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0430	<0.0390	<0.0380	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0430	<0.0390	<0.0380	<0.0380
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0430	<0.0390	<0.0380	<0.0380
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0430	<0.0390	<0.0380	<0.0380
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0430	<0.0390	<0.0380	<0.0380
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.931	0.852 J	<0.821	<0.828
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		<0.604	2.41	0.685 J	0.892 J
Barium	7440-39-3	MG/KG	3000	44000	580		74.3	26.8	36.3	172
Beryllium	7440-41-7	MG/KG	32	460	63		1.09	0.611	1.20	1.06
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0704	<0.0641	<0.0621	<0.0627
Chromium	7440-47-3	MG/KG	24000	100000	360000		0.610 J	6.02	0.382 J	1.06
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		0.912	1.52	2.11	6.19
Copper	7440-50-8	MG/KG	620	9400	700		4.42	3.32	0.186 J	3.37
Lead	7439-92-1	MG/KG	400	800	270		7.22	9.09	8.66	13.1
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0101 B	0.0354 B	0.0092 B	0.0114 B
Nickel	7440-02-0	MG/KG	300	4400	130		<0.289	3.71	0.454 J	2.76

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-4	AOCB-SS-5
						Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)
						Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004
						Start Depth - End Depth	4 - 8	4 - 8	4 - 8	4 - 8
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.163	<0.149	<0.144	<0.145
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.16	<5.27	<1.02	<1.03
Tin	7440-31-5	MG/KG	9400	100000	10000		3.26 B	3.53 B	3.46 B	4.37 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		3.15	15.6	4.42	6.18
Zinc	7440-66-6	MG/KG	4600	70000	1200		19.5	20.9	19.2	35.6

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010			
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010			
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010			
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010			
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010			
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010			
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040			
Acetone	67-64-1	MG/KG	12000	100000	24		0.0140 J			
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00070			
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010			
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010			
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010			
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010			
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010			
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.3000 UJ			<25.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050			
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040			
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030			
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010			
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010			
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010			
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010			
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010			
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030			
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010			
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010			
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0390			
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0390			
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0390			
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0390			
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0390			
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0390			
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0770			
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0770			
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0390			
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0390			
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0390			
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0390			

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0390			
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0390			
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0390			
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0390			
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0390			
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0390			
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1900			
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0390			
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200			
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0770			
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0390			
Chrysene	218-01-9	MG/KG	15	290	18		<0.0390			
Diallate	2303-16-4	MG/KG	8.7	38			<0.0390			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0390			
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0390			
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0770			
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0390			
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0390			
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0390			
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0390			
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0390			
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0770			
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0390			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0390			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0390			
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0390			
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0390			
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.831 UJ			
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.70			
Barium	7440-39-3	MG/KG	3000	44000	580		74.8			
Beryllium	7440-41-7	MG/KG	32	460	63		1.35			
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0629			
Chromium	7440-47-3	MG/KG	24000	100000	360000		0.842			
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		2.02			
Copper	7440-50-8	MG/KG	620	9400	700		1.56			
Lead	7439-92-1	MG/KG	400	800	270		10.6			
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0037	<0.0040	0.0099 J	
Nickel	7440-02-0	MG/KG	300	4400	130		1.14			

Table 9
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 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.146	<0.158	<0.187	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.03			
Tin	7440-31-5	MG/KG	9400	100000	10000		4.29 B			
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		6.00			
Zinc	7440-66-6	MG/KG	4600	70000	1200		28.6			

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compound</i>													
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2								
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012								
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032								
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03								
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3								
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002								
2-Hexanone	591-78-6	MG/KG	40	260	0.17								
Acetone	67-64-1	MG/KG	12000	100000	24								
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073								
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8								
Chlorobenzene	108-90-7	MG/KG	56	260	0.43								
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34								
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36								
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1								
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40	<25.0000	<25.0000						
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16								
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43								
Methylene Chloride	75-09-2	MG/KG	57	640	0.023								
Pentachloroethane	76-01-7	MG/KG	5.9	26									
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005								
Toluene	108-88-3	MG/KG	820	820	5.5								
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51								
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018								
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24								
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04								
Xylenes	1330-20-7	MG/KG	120	260	5.8								
<i>Semivolatile Organic Compound</i>													
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2								
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9									
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055								
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4								
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000									
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6								
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10									
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12								
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085									
Acenaphthene	83-32-9	MG/KG	700	9000	8.4								
Acenaphthylene	208-96-8	MG/KG	700	9000	21								
Anthracene	120-12-7	MG/KG	3400	46000	660								

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3								
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18								
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6								
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800								
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9								
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059								
Benzoic Acid	65-85-0	MG/KG	50000	100000	130								
Biphenyl	92-52-4	MG/KG	9.4	40	43								
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2								
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150								
Carbazole	86-74-8	MG/KG	NA	NA	0.37								
Chrysene	218-01-9	MG/KG	15	290	18								
Diallate	2303-16-4	MG/KG	8.7	38									
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19								
Dibenzofuran	132-64-9	MG/KG	14	200	5.2								
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19								
Diphenyl Ether	101-84-8	MG/KG	2700	19000									
Fluoranthene	206-44-0	MG/KG	460	6000	330								
Fluorene	86-73-7	MG/KG	460	6000	56								
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2								
Naphthalene	91-20-3	MG/KG	3.8	17	0.21								
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38								
Nitrobenzene	98-95-3	MG/KG	5.1	22									
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470									
Phenanthrene	85-01-8	MG/KG	3400	46000	68								
Phenol	108-95-2	MG/KG	3600	50000	0.23								
Pyrene	129-00-0	MG/KG	340	4600	220								
Diesel Range Organics	394878-87-0	MG/KG											
Inorganics													
Antimony	7440-36-0	MG/KG	6.2	94	0.9								
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8								
Barium	7440-39-3	MG/KG	3000	44000	580								
Beryllium	7440-41-7	MG/KG	32	460	63								
Cadmium	7440-43-9	MG/KG	14	200	3								
Chromium	7440-47-3	MG/KG	24000	100000	360000								
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)								
Copper	7440-50-8	MG/KG	620	9400	700								
Lead	7439-92-1	MG/KG	400	800	270								
Mercury	7439-97-6	MG/KG	1.9	8.0	1								
Nickel	7440-02-0	MG/KG	300	4400	130								

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4			<0.907	<0.895	<0.917	<0.943	<0.981	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28								
Tin	7440-31-5	MG/KG	9400	100000	10000								
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)								
Zinc	7440-66-6	MG/KG	4600	70000	1200								

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compound											
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2						<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012						<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032						<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03						<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3						<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002						<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17						<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24						0.0390
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073						<0.00060 UJ
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8						<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43						<0.0010 UJ
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34						<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36						<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1						<0.0010 UJ
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40						
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16						<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43						<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023						<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26							<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005						<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5						<0.0010 UJ
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51						<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018						<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24						<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04						<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8						<0.0010 UJ
Semivolatile Organic Compound											
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2						<0.0410
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9							<0.0410
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055						<0.0410
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4						<0.0410
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000							<0.0410
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6						<0.0410
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10							<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12						<0.0810
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085							<0.0410
Acenaphthene	83-32-9	MG/KG	700	9000	8.4						<0.0410
Acenaphthylene	208-96-8	MG/KG	700	9000	21						<0.0410
Anthracene	120-12-7	MG/KG	3400	46000	660						<0.0410

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3						<0.0410
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18						<0.0410
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6						<0.0410
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800						<0.0410
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9						<0.0410
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059						<0.0410
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43						<0.0410
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2						<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150						<0.0810
Carbazole	86-74-8	MG/KG	NA	NA	0.37						<0.0410
Chrysene	218-01-9	MG/KG	15	290	18						<0.0410
Diallate	2303-16-4	MG/KG	8.7	38							<0.0410
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19						<0.0410
Dibenzofuran	132-64-9	MG/KG	14	200	5.2						<0.0410
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19						<0.0810
Diphenyl Ether	101-84-8	MG/KG	2700	19000							<0.0410
Fluoranthene	206-44-0	MG/KG	460	6000	330						<0.0410
Fluorene	86-73-7	MG/KG	460	6000	56						<0.0410
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2						<0.0410
Naphthalene	91-20-3	MG/KG	3.8	17	0.21						<0.0410
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38						<0.0810
Nitrobenzene	98-95-3	MG/KG	5.1	22							<0.0410
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470							<0.0410
Phenanthrene	85-01-8	MG/KG	3400	46000	68						<0.0410
Phenol	108-95-2	MG/KG	3600	50000	0.23						<0.0410
Pyrene	129-00-0	MG/KG	340	4600	220						<0.0410
Diesel Range Organics	394878-87-0	MG/KG									
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9						<0.885
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8						2.78
Barium	7440-39-3	MG/KG	3000	44000	580						34.3
Beryllium	7440-41-7	MG/KG	32	460	63						0.473 J
Cadmium	7440-43-9	MG/KG	14	200	3						<0.0670
Chromium	7440-47-3	MG/KG	24000	100000	360000						13.3
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)						1.71
Copper	7440-50-8	MG/KG	620	9400	700						3.15
Lead	7439-92-1	MG/KG	400	800	270						10.9
Mercury	7439-97-6	MG/KG	1.9	8.0	1						0.0595 J
Nickel	7440-02-0	MG/KG	300	4400	130						5.44

Table 9
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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4	<0.934	<0.976	<0.968	<0.931	<0.155	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28					<1.10	
Tin	7440-31-5	MG/KG	9400	100000	10000					3.66 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)					30.2	
Zinc	7440-66-6	MG/KG	4600	70000	1200					15.6	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030	<0.0040	<0.0030	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		0.0220	0.0370	0.0440	<0.0090
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00050	<0.00060	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	0.0260	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40				<2.5000	<2.3000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0040	<0.0050	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030	<0.0040	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020	0.0060	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	0.0020 J	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	0.0040 J	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400	<0.0390	<0.0390	<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400	<0.0390	<0.0390	<0.0400
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0400	<0.0390	<0.0390	<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400	<0.0390	<0.0390	<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400	<0.0390	<0.0390	<0.0400
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0400	<0.0390	<0.0390	<0.0400
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0800	<0.0790	<0.0770	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0800	<0.0790	<0.0770	<0.0800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400	<0.0390	<0.0390	<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400	<0.0390	<0.0390	<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400	<0.0390	<0.0390	<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400	<0.0390	<0.0390	<0.0400

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400	<0.0390	<0.0390	<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400	<0.0390	<0.0390	<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000	<0.2000	<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0400	<0.0390	6.6000	<0.0400
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200	<0.1200	<0.1200	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0800	<0.0790	<0.0770	<0.0800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400	<0.0390	<0.0390	<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400	<0.0390	<0.0390	<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400	<0.0390	<0.0390	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400	<0.0390	<0.0390	<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400	<0.0390	<0.0390	<0.0400
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0800	<0.0790	<0.0770	<0.0800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0400	<0.0390	23.0000	<0.0400
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400	<0.0390	<0.0390	<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400	<0.0390	<0.0390	<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400	<0.0390	<0.0390	<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0400	<0.0390	<0.0390	<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0800	<0.0790	<0.0770	<0.0800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400	<0.0390	<0.0390	<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400	<0.0390	<0.0390	<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400	<0.0390	<0.0390	<0.0400
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400	<0.0390	0.1100 J	<0.0400
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400	<0.0390	<0.0390	<0.0400
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.866	<0.849	1.38 J	<0.875
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		2.66	1.26	2.74	0.844 J
Barium	7440-39-3	MG/KG	3000	44000	580		46.9	55.8	33.5	34.4
Beryllium	7440-41-7	MG/KG	32	460	63		0.647	0.933	0.987	1.35
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0655	<0.0643	<0.0630	<0.0662
Chromium	7440-47-3	MG/KG	24000	100000	360000		18.7	12.2	10.1	0.857
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		3.61	3.98	2.34	1.07
Copper	7440-50-8	MG/KG	620	9400	700		6.32	3.29	4.80	0.458 J
Lead	7439-92-1	MG/KG	400	800	270		13.7	8.15	16.3	19.7
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0489 B	0.0268 B	0.0455 B	<0.0040
Nickel	7440-02-0	MG/KG	300	4400	130		7.32	5.59	4.92	0.847 J

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.152	<0.149	<0.146	<0.154
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.08	<1.06	1.27 J	<1.09
Tin	7440-31-5	MG/KG	9400	100000	10000		4.22 B	3.09 B	3.81 B	3.80 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		37.9	25.1	24.5	5.35
Zinc	7440-66-6	MG/KG	4600	70000	1200		23.2	21.6	21.6	22.5

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.1400 [U]		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			13.0000		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.1400 [U]		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.1400 [U]		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.1400 [U]		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.1400 [U]		
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.4200 [U]		
Acetone	67-64-1	MG/KG	12000	100000	24			<0.9800 [U]		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.1400 [U]		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.1400 [U]		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.1400 [U]		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.1400 [U]		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.1400 [U]		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.1400 [U]		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					<2.7000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.5600 [U]		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.4200 [U]		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.2800 [U]		
Pentachloroethane	76-01-7	MG/KG	5.9	26				0.6200		
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			1.2000		
Toluene	108-88-3	MG/KG	820	820	5.5			<0.1400 [U]		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.1400 [U]		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.1400 [U]		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.2800 [U]		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.1400 [U]		
Xylenes	1330-20-7	MG/KG	120	260	5.8			0.2300		
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0370 [U]		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0370 [U]		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0370 [U]		
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			0.3400		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0750 [U]		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0750 [U]		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0370 [U]		
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0370 [U]		
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0370 [U]		
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0370 [U]		

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3					
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.0370 [U]		
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.0370 [U]		
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.0370 [U]		
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0370 [U]		
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.0370 [U]		
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43			14.0000		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			0.3300		
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0750 [U]		
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18			<0.0370 [U]		
Diallate	2303-16-4	MG/KG	8.7	38				<0.0370 [U]		
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0370 [U]		
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			0.0520		
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0750 [U]		
Diphenyl Ether	101-84-8	MG/KG	2700	19000				40.0000		
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.0370 [U]		
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0370 [U]		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0370 [U]		
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			0.3900		
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0750 [U]		
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0370 [U]		
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0370 [U]		
Phenanthrene	85-01-8	MG/KG	3400	46000	68			0.1400		
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0370 [U]		
Pyrene	129-00-0	MG/KG	340	4600	220			<0.0370 [U]		
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9			<0.80 [U]	<0.719	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			2.1	2.12	
Barium	7440-39-3	MG/KG	3000	44000	580			81.2	30.5	
Beryllium	7440-41-7	MG/KG	32	460	63			1.2	1.31	
Cadmium	7440-43-9	MG/KG	14	200	3			<0.10 [U]	0.0643 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000			2.2	2.44	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			8.6	4.36	
Copper	7440-50-8	MG/KG	620	9400	700			2.6	0.962 J	
Lead	7439-92-1	MG/KG	400	800	270			7.3	3.53	
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0354 J	<0.012 [U]	<0.0030	
Nickel	7440-02-0	MG/KG	300	4400	130			4.5	2.71	

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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		0.165 J	0.50	<0.163	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28			<1.1 [U]	<1.01	
Tin	7440-31-5	MG/KG	9400	100000	10000			3.2	3.39 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)			15.5	14.5	
Zinc	7440-66-6	MG/KG	4600	70000	1200			38.6	29.1	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0650		<0.0590
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0650		<0.0590
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0650		<0.0590
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0650		<0.0590 UJ
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0650		<0.0590 UJ
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0650		<0.0590
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.1900		<0.1800
Acetone	67-64-1	MG/KG	12000	100000	24		<0.4500		<0.4100
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		0.7900		<0.0300
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0650		<0.0590
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0650		<0.0590
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0650		<0.0590
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		2.5000		1.3000 J
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		0.8400		0.3300 J
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.7000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		0.3400 J		<0.2400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.1900		<0.1800
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1300		<0.1200 UJ
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0650		<0.0590
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0650		0.1400 J
Toluene	108-88-3	MG/KG	820	820	5.5		5.2000		0.1900 J
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		0.6000		0.3100 J
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0650		<0.0590
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1300		<0.1200
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0650		<0.0590
Xylenes	1330-20-7	MG/KG	120	260	5.8		0.4900		2.0000 J
<i>Semivolatile Organic Compound</i>									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400		<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400		0.0790 J
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		0.0840 J		0.0750 J
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400		<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400		<0.0400 UJ
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		0.1100 J		0.0880 J
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0810		<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0810		<0.0810
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400		<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400		<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400		<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400		<0.0400

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400 R		<0.0400 R
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400		<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400		<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400		<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400		<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400		<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000 UJ		<0.2000 UJ
Biphenyl	92-52-4	MG/KG	9.4	40	43		3.3000		120.0000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200		0.1600 J
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0810		<0.0810
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400		<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400		<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400		0.0960 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400		<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400		0.5000
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0810		0.0830 J
Diphenyl Ether	101-84-8	MG/KG	2700	19000			12.0000		340.0000
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400		<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400		<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400		<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		0.0460 J		0.0720 J
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0810		<0.0810
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400		<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400		<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400		0.0510 J
Phenol	108-95-2	MG/KG	3600	50000	0.23		0.0840 J		0.0670 J
Pyrene	129-00-0	MG/KG	340	4600	220		0.0570 J		<0.0400
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		1.02 J		2.16 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.35		1.80
Barium	7440-39-3	MG/KG	3000	44000	580		27.9		36.3
Beryllium	7440-41-7	MG/KG	32	460	63		0.859		0.916
Cadmium	7440-43-9	MG/KG	14	200	3		0.212 J		0.548 J
Chromium	7440-47-3	MG/KG	24000	100000	360000		3.03		6.99
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		1.07		1.85
Copper	7440-50-8	MG/KG	620	9400	700		1.94		4.98
Lead	7439-92-1	MG/KG	400	800	270		6.66		11.3
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0065 B		0.0581 J
Nickel	7440-02-0	MG/KG	300	4400	130		1.82		3.91

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.152		0.651
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.07		<1.08
Tin	7440-31-5	MG/KG	9400	100000	10000		2.85 B		3.37 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		8.69		11.3
Zinc	7440-66-6	MG/KG	4600	70000	1200		21.1		40.2

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0570	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			2.3000	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.0570	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0570	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0570	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0570	
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.1700	
Acetone	67-64-1	MG/KG	12000	100000	24			1.2000	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.0280	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0570	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0570	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0570	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			0.8900	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			0.0950 J	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.6000		<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.2300	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.1700	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.1100	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0570	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			0.3300	
Toluene	108-88-3	MG/KG	820	820	5.5			0.1100 J	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			0.4600	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			0.5400	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.1100	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0570	
Xylenes	1330-20-7	MG/KG	120	260	5.8			0.6300	
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.4100	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.4100	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.4100	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.4100	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.4100	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.4100	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.8300	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.8300	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.4100	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.4100	
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.4100	
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.4100	

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.4100 R	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.4100	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.4100	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.4100	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.4100	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.4100	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			2.1000 J	
Biphenyl	92-52-4	MG/KG	9.4	40	43			200.0000	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			<1.2000	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.8300	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.4100	
Chrysene	218-01-9	MG/KG	15	290	18			<0.4100	
Diallate	2303-16-4	MG/KG	8.7	38				<0.4100	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.4100	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			0.7500 J	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.8300	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				530.0000	
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.4100	
Fluorene	86-73-7	MG/KG	460	6000	56			<0.4100	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.4100	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.4100	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.8300	
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.4100	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.4100	
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.4100	
Phenol	108-95-2	MG/KG	3600	50000	0.23			1.8000 J	
Pyrene	129-00-0	MG/KG	340	4600	220			<0.4100	
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9			2.49	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			1.65	
Barium	7440-39-3	MG/KG	3000	44000	580			36.0	
Beryllium	7440-41-7	MG/KG	32	460	63			0.923	
Cadmium	7440-43-9	MG/KG	14	200	3			0.310 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000			8.08	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			2.08	
Copper	7440-50-8	MG/KG	620	9400	700			21.7	
Lead	7439-92-1	MG/KG	400	800	270			10.6	
Mercury	7439-97-6	MG/KG	1.9	8.0	1			0.0541 J	
Nickel	7440-02-0	MG/KG	300	4400	130			4.18	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4			0.687	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28			<1.13	
Tin	7440-31-5	MG/KG	9400	100000	10000			3.52 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)			11.8	
Zinc	7440-66-6	MG/KG	4600	70000	1200			496	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
<i>Volatile Organic Compound</i>										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010		<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010		<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010		<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010		<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010		<0.0010	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010		<0.0010	
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030		<0.0030	
Acetone	67-64-1	MG/KG	12000	100000	24		0.0820		0.0500	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00050		<0.00050	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		0.0050		0.0020 J	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010		<0.0010	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010		<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010		0.0020 J	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		0.0110		<0.0010	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.5000		<3.1000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		0.0070 J		<0.0040	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030		<0.0030	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		0.0020 J		<0.0020	
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010		<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010		<0.0010	
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010		<0.0010	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010		<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010		<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020		<0.0020	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010		<0.0010	
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010		<0.0010	
<i>Semivolatile Organic Compound</i>										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0410		<0.0400	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0410		<0.0400	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0410		<0.0400	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0410		<0.0400	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0410		<0.0400	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0410		<0.0400	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0820		<0.0800	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0820		<0.0800	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0410		<0.0400	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0410		<0.0400	
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0410		<0.0400	
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0410		<0.0400	

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0410 R		<0.0400 R	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0410		<0.0400	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0410		<0.0400	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0410		<0.0400	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0410		<0.0400	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0410		<0.0400	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2100 UJ		<0.2000 UJ	
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0410		<0.0400	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200		<0.1200	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		0.1600 J		<0.0800	
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0410		<0.0400	
Chrysene	218-01-9	MG/KG	15	290	18		<0.0410		<0.0400	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0410		<0.0400	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0410		<0.0400	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0410		<0.0400	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0820		<0.0800	
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0410		<0.0400	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0410		<0.0400	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0410		<0.0400	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0410		<0.0400	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0410		<0.0400	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0820		<0.0800	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0410		<0.0400	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0410		<0.0400	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0410		<0.0400	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0410		<0.0400	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0410		<0.0400	
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		0.985 J		0.913 J	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.67		2.63	
Barium	7440-39-3	MG/KG	3000	44000	580		32.8		21.7	
Beryllium	7440-41-7	MG/KG	32	460	63		0.858		0.762	
Cadmium	7440-43-9	MG/KG	14	200	3		0.388 J		0.358 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000		8.81		11.7	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		1.68		1.31	
Copper	7440-50-8	MG/KG	620	9400	700		5.88		4.85	
Lead	7439-92-1	MG/KG	400	800	270		18.7		10.5	
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0777 J		0.101 J	
Nickel	7440-02-0	MG/KG	300	4400	130		5.73		4.42	

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		0.961		<0.155	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.10		<1.09	
Tin	7440-31-5	MG/KG	9400	100000	10000		3.53 B		3.51 B	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		23.6		23.0	
Zinc	7440-66-6	MG/KG	4600	70000	1200		25.5		16.3	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0890	<0.0930	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		120.0000	220.0000	0.0240
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		0.2900 J	3.5000	0.0020 J
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0890	<0.0930	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0890	<0.0930	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		0.1200 J	0.3000 J	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.2700	<0.2800	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24		<0.6200	<0.6500	0.0120 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0440	<0.0470	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0890	<0.0930	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0890	<0.0930	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0890	<0.0930	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		1.8000	6.1000	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		0.1600 J	11.0000	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			3.2000 B	<2.4000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.3500	<0.3700	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.2700	<0.2800	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1800	<0.1900	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0890	<0.0930	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		3.6000	23.0000	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		1.8000	2.7000	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		0.8300	0.3500 J	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		2.0000	4.6000	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1800	<0.1900	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0890	<0.0930	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		1.0000	64.0000	<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		1.1000 J	<2.4000	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			1.2000 J	<2.4000	<0.0380
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		1.6000 J	3.5000 J	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.5300	<2.4000	<0.0380
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.5300	36.0000	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		2.2000 J	3.9000 J	<0.0380
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<1.1000	<4.8000	<0.0760
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<1.1000	<4.8000	<0.0760
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.5300	<2.4000	<0.0380
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.5300	<2.4000	<0.0380
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.5300	<2.4000	<0.0380
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.5300	<2.4000	<0.0380

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.5300 R	3.7000 J	<0.0380
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.5300	<2.4000	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.5300	<2.4000	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.5300	<2.4000	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.5300	<2.4000	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.5300	<2.4000	<0.0380
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<2.7000 UJ	<12.0000	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		2000.0000	5100.0000	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		3.5000 J	<7.1000	<0.1100
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<1.1000	<4.8000	<0.0760
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.5300	<2.4000	<0.0380
Chrysene	218-01-9	MG/KG	15	290	18		<0.5300	<2.4000	<0.0380
Diallate	2303-16-4	MG/KG	8.7	38			<0.5300	<2.4000	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.5300	<2.4000	<0.0380
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		10.0000	18.0000 J	<0.0380
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		1.4000 J	<4.8000	<0.0760
Diphenyl Ether	101-84-8	MG/KG	2700	19000			5700.0000	13000.0000	<0.0380
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.5300	<2.4000	<0.0380
Fluorene	86-73-7	MG/KG	460	6000	56		<0.5300	<2.4000	<0.0380
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.5300	<2.4000	<0.0380
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		0.9300 J	6.8000 J	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<1.1000	<4.8000	<0.0760
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.5300	<2.4000	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.5300	<2.4000	<0.0380
Phenanthrene	85-01-8	MG/KG	3400	46000	68		0.9600 J	<2.4000	<0.0380
Phenol	108-95-2	MG/KG	3600	50000	0.23		1.0000 J	<2.4000	<0.0380
Pyrene	129-00-0	MG/KG	340	4600	220		<0.5300	<2.4000	<0.0380
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		11.4	137	<0.831 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.33 J	7.99	0.937 J
Barium	7440-39-3	MG/KG	3000	44000	580		59.1	38.9	53.1
Beryllium	7440-41-7	MG/KG	32	460	63		0.930	0.428 J	2.26
Cadmium	7440-43-9	MG/KG	14	200	3		1.05	2.83	<0.0629
Chromium	7440-47-3	MG/KG	24000	100000	360000		53.0	53.7	1.07
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		1.22	2.25	0.486 J
Copper	7440-50-8	MG/KG	620	9400	700		183	4.56	0.832 B
Lead	7439-92-1	MG/KG	400	800	270		22.0	19.3	7.80
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.731	0.678	0.0080 B
Nickel	7440-02-0	MG/KG	300	4400	130		3.48	352	0.917 J

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		137	654	0.393 J
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.47	<1.31	<1.03
Tin	7440-31-5	MG/KG	9400	100000	10000		13.4 J	3.26 B	4.68 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		9.29	3290	239
Zinc	7440-66-6	MG/KG	4600	70000	1200		210	29.3	21.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<2.6000	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		39.0000	0.1900	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<2.6000	0.0060	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<2.6000	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<2.6000	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<2.6000	0.0010 J	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<7.7000	<0.0030	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		<18.0000	0.0300	0.0170 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<1.3000	0.0020 J	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<2.6000	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<2.6000	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<2.6000	0.0010 J	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		6.9000 J	0.0080	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<2.6000	0.0010 J	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		3.5000 B	<2.6000	<2.2000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<10.0000	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<7.7000	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<5.2000	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<2.6000	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		33.0000	0.2800 J	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		3.3000 J	0.0170	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<2.6000	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		20.0000	0.0980	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<5.2000	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<2.6000	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		3.7000 J	0.0250	<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<6.4000	<0.0370	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<6.4000	<0.0370	<0.0370
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<6.4000	<0.0370	<0.0370
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<6.4000	<0.0370	<0.0370
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<6.4000	<0.0370	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<6.4000	<0.0370	<0.0370
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<13.0000	<0.0740	<0.0750
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<13.0000	0.1700 J	<0.0750
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<6.4000	<0.0370	<0.0370
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<6.4000	<0.0370	<0.0370
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<6.4000	<0.0370	<0.0370
Anthracene	120-12-7	MG/KG	3400	46000	660		<6.4000	<0.0370	<0.0370

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<6.4000	<0.0370	<0.0370
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<6.4000	<0.0370	<0.0370
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<6.4000	<0.0370	<0.0370
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<6.4000	<0.0370	<0.0370
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<6.4000	<0.0370	<0.0370
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<6.4000	<0.0370	<0.0370
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<32.0000	<0.1800	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		540.0000	1.5000	<0.0370
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<19.0000	<0.1100	0.4600
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<13.0000	<0.0740	<0.0750
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<6.4000	<0.0370	<0.0370
Chrysene	218-01-9	MG/KG	15	290	18		<6.4000	<0.0370	<0.0370
Diallate	2303-16-4	MG/KG	8.7	38			<6.4000	<0.0370	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<6.4000	<0.0370	<0.0370
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<6.4000	<0.0370	<0.0370
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<13.0000	<0.0740	<0.0750
Diphenyl Ether	101-84-8	MG/KG	2700	19000			2800.0000	2.8000	<0.0370
Fluoranthene	206-44-0	MG/KG	460	6000	330		<6.4000	<0.0370	<0.0370
Fluorene	86-73-7	MG/KG	460	6000	56		<6.4000	<0.0370	<0.0370
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<6.4000	<0.0370	<0.0370
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<6.4000	<0.0370	<0.0370
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<13.0000	<0.0740	<0.0750
Nitrobenzene	98-95-3	MG/KG	5.1	22			<6.4000	<0.0370	<0.0370
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<6.4000	<0.0370	<0.0370
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<6.4000	<0.0370	<0.0370
Phenol	108-95-2	MG/KG	3600	50000	0.23		<6.4000	<0.0370	<0.0370
Pyrene	129-00-0	MG/KG	340	4600	220		<6.4000	<0.0370	<0.0370
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		83.9	<0.796 UJ	<0.806 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		10.3	1.18	0.637 J
Barium	7440-39-3	MG/KG	3000	44000	580		35.2	107	20.9
Beryllium	7440-41-7	MG/KG	32	460	63		0.416 J	1.15	1.05
Cadmium	7440-43-9	MG/KG	14	200	3		4.44	0.328 J	<0.0610
Chromium	7440-47-3	MG/KG	24000	100000	360000		74.3	0.889	0.664
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		0.928 J	0.367 J	0.452 J
Copper	7440-50-8	MG/KG	620	9400	700		4.83	0.705 B	0.558 B
Lead	7439-92-1	MG/KG	400	800	270		12.8	12.8	9.83
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.724	0.0110 B	0.0071 B
Nickel	7440-02-0	MG/KG	300	4400	130		51.8	0.974 J	0.303 J

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		672	<0.140	<0.142
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.74	<0.989	1.11 J
Tin	7440-31-5	MG/KG	9400	100000	10000		3.87 B	3.49 B	3.20 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		1310	2.34	2.74
Zinc	7440-66-6	MG/KG	4600	70000	1200		68.8	34.8	9.27

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		0.3100 J	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		51.0000	0.3500	0.0640 J
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		3.6000	0.1300	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.1200	0.0020 J	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.1200	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		0.5500 J	0.0200	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.3500	<0.0040	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		<0.8100	0.0280	0.0200 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		2.1000	0.0660 J	<0.00070
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.1200	0.0020 J	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		0.2300 J	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.1200	<0.0010	0.0060 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		3.2000	0.0390 J	0.0150
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		4.0000	0.0060 J	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.9000	4.2000 B	<2.3000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.4600	0.0050 J	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.3500	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		0.2400 J	0.0130 J	<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.1200	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		68.0000	0.0230 J	0.0050 J
Toluene	108-88-3	MG/KG	820	820	5.5		1.7000	0.0310 J	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		1.2000	0.0100 J	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		19.0000	0.1600	0.0370
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.2300	<0.0020	<0.0030
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.1200	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		25.0000	0.0610 J	<0.0010
<i>Semivolatile Organic Compound</i>									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<2.9000	<0.0380	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<2.9000	<0.0380	<0.0380
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		39.0000	<0.0380	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<2.9000	0.0530 J	<0.0380
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			11.0000 J	<0.0380	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		55.0000	<0.0380	<0.0380
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<5.8000	<0.0760	<0.0770
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<5.8000	0.3700 J	<0.0770
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<2.9000	<0.0380	<0.0380
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		23.0000 J	<0.0380	<0.0380
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<2.9000	<0.0380	<0.0380
Anthracene	120-12-7	MG/KG	3400	46000	660		15.0000 J	<0.0380	<0.0380

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<2.9000	<0.0380	<0.0380
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		15.0000 J	<0.0380	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		3.0000 J	<0.0380	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<2.9000	<0.0380	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<2.9000	<0.0380	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<2.9000	<0.0380	<0.0380
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<14.0000	<0.1900	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		4500.0000	0.6100	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<8.7000	<0.1100	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<5.8000	<0.0760	<0.0770
Carbazole	86-74-8	MG/KG	NA	NA	0.37		9.7000 J	<0.0380	<0.0380
Chrysene	218-01-9	MG/KG	15	290	18		13.0000 J	<0.0380	<0.0380
Diallate	2303-16-4	MG/KG	8.7	38			<2.9000	<0.0380	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<2.9000	<0.0380	<0.0380
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		46.0000	<0.0380	<0.0380
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<5.8000	<0.0760	<0.0770
Diphenyl Ether	101-84-8	MG/KG	2700	19000			11000.0000	13.0000	<0.0380
Fluoranthene	206-44-0	MG/KG	460	6000	330		110.0000	<0.0380	<0.0380
Fluorene	86-73-7	MG/KG	460	6000	56		37.0000	<0.0380	<0.0380
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<2.9000	<0.0380	<0.0380
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		160.0000	<0.0380	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<5.8000	<0.0760	<0.0770
Nitrobenzene	98-95-3	MG/KG	5.1	22			<2.9000	<0.0380	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<2.9000	<0.0380	<0.0380
Phenanthrene	85-01-8	MG/KG	3400	46000	68		200.0000	<0.0380	<0.0380
Phenol	108-95-2	MG/KG	3600	50000	0.23		<2.9000	0.0670 J	<0.0380
Pyrene	129-00-0	MG/KG	340	4600	220		79.0000	<0.0380	<0.0380
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		295	3.16 J	<0.845 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		4.90	4.83	1.82
Barium	7440-39-3	MG/KG	3000	44000	580		17.6	135	100
Beryllium	7440-41-7	MG/KG	32	460	63		0.332 J	1.35	2.58
Cadmium	7440-43-9	MG/KG	14	200	3		0.995	0.879	0.400 J
Chromium	7440-47-3	MG/KG	24000	100000	360000		24.9	2.64	7.89
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		0.723 J	0.853	2.45
Copper	7440-50-8	MG/KG	620	9400	700		4.07	1.39	0.809 J
Lead	7439-92-1	MG/KG	400	800	270		9.86	15.3	6.48
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.117 J	0.0239 J	0.0144 J
Nickel	7440-02-0	MG/KG	300	4400	130		4.80	1.71	2.38

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 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		23.6	<0.145	1.91
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.58	1.54 J	1.38 J
Tin	7440-31-5	MG/KG	9400	100000	10000		4.23 B	4.36 B	1.97 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		81.7	3.46	15.6
Zinc	7440-66-6	MG/KG	4600	70000	1200		52.6	218	36.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0020		0.2300 J
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		0.4100		4.6000
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0020		<0.0850
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0020		<0.0850
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0020		0.3300 J
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0020		<0.0850
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0050		<0.2500
Acetone	67-64-1	MG/KG	12000	100000	24		0.0620		<0.5900
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00090		<0.0420
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0020		<0.0850
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0020		<0.0850
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		0.0230		<0.0850
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		0.0170		100.0000
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0020		3.2000
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.3000	<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0070		<0.3400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0050		<0.2500
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030		<0.1700
Pentachloroethane	76-01-7	MG/KG	5.9	26			0.0030 J		<0.0850
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		0.0810		5.0000
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0020		4.3000
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0020		0.0930 J
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		0.1200		24.0000
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030		<0.1700
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0020		<0.0850
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0020		14.0000
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0370		<0.4800
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0370		<0.4800
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0370		2.1000 J
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0370		<0.4800
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0370		<0.4800
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0370		3.4000 J
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0730		<0.9600
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0730		<0.9600
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0370		<0.4800
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0370		<0.4800
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0370		<0.4800
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0370		<0.4800

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0370		<0.4800
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0370		<0.4800
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0370		<0.4800
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0370		<0.4800
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0370		<0.4800
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0370		<0.4800
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1800		<2.4000
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0370		940.0000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1100		<1.4000
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0730		<0.9600
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0370		<0.4800
Chrysene	218-01-9	MG/KG	15	290	18		<0.0370		<0.4800
Diallate	2303-16-4	MG/KG	8.7	38			<0.0370		<0.4800
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0370		<0.4800
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0370		2.7000 J
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0730		<0.9600
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0370		2900.0000
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0370		<0.4800
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0370		0.4800 J
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0370		<0.4800
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0370		2.8000 J
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0730		<0.9600
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0370		<0.4800
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0370		0.8600 J
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0370		1.1000 J
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0370		<0.4800
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0370		<0.4800
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.790 UJ		1.66 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.94		2.62
Barium	7440-39-3	MG/KG	3000	44000	580		153		79.6
Beryllium	7440-41-7	MG/KG	32	460	63		2.33		1.34
Cadmium	7440-43-9	MG/KG	14	200	3		0.371 J		0.833
Chromium	7440-47-3	MG/KG	24000	100000	360000		2.87		10.4
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		2.56		3.89
Copper	7440-50-8	MG/KG	620	9400	700		0.680 J		12.7
Lead	7439-92-1	MG/KG	400	800	270		5.94		90.3
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0035		0.0263 J
Nickel	7440-02-0	MG/KG	300	4400	130		1.91		6.71

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		0.175 J		2.09
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		1.39 J		<1.28
Tin	7440-31-5	MG/KG	9400	100000	10000		2.85 B		4.91 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		15.6		23.2
Zinc	7440-66-6	MG/KG	4600	70000	1200		31.6		76.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		0.2100 J	0.0020 J	<0.0100
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		27.0000	1.0000	<0.0100
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0640	0.0020 J	<0.0100
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0640	<0.0010	<0.0100
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0640	<0.0010	<0.0100
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0640	<0.0010	<0.0100
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.1900	0.0070 J	<0.0300
Acetone	67-64-1	MG/KG	12000	100000	24		<0.4500	0.1300	0.1000 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0320	<0.0010	<0.0050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0640	<0.0010	<0.0100
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0640	<0.0010	<0.0100
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0640	<0.0010	<0.0100
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		8.6000	1.3000	<0.0100
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0640	0.0020 J	<0.0100
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.2000		<13.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.2600	<0.0050	<0.0400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.1900	0.0080 J	<0.0300
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1300	<0.0020	<0.0200
Pentachloroethane	76-01-7	MG/KG	5.9	26			0.2800 J	<0.0010	<0.0100
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		10.0000	0.0240 J	<0.0100
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0640	0.0080 J	<0.0100
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0640	<0.0010	<0.0100
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		71.0000	1.5000	<0.0100
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1300	<0.0020	<0.0200
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0640	<0.0010	<0.0100
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0640	0.0060 J	<0.0100
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.4000	<0.0400	<0.1900
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.4000	<0.0400	<0.1900
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.4000	0.0450 J	<0.1900
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.4000	<0.0400	<0.1900
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.4000	<0.0400	<0.1900
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.4000	0.0580 J	<0.1900
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.7900	<0.0800	<0.3800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.7900	<0.0800	<0.3800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.4000	<0.0400	<0.1900
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.4000	<0.0400	<0.1900
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.4000	<0.0400	<0.1900
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.4000	<0.0400	<0.1900

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.4000	<0.0400 R	<0.1900
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.4000	<0.0400	<0.1900
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.4000	<0.0400	<0.1900
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.4000	<0.0400	<0.1900
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.4000	<0.0400	<0.1900
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.4000	<0.0400	<0.1900
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<2.0000	0.3400 J	<0.9400
Biphenyl	92-52-4	MG/KG	9.4	40	43		7.9000		<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		4.5000	0.3900 J	<0.5600
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.7900	<0.0800	<0.3800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.4000	<0.0400	<0.1900
Chrysene	218-01-9	MG/KG	15	290	18		<0.4000	<0.0400	<0.1900
Diallate	2303-16-4	MG/KG	8.7	38			0.6000 J	<0.0400	<0.1900
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.4000	<0.0400	<0.1900
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.4000	0.1000 J	<0.1900
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.7900	<0.0800	<0.3800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			170.0000		<0.1900
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.4000	<0.0400	<0.1900
Fluorene	86-73-7	MG/KG	460	6000	56		<0.4000	<0.0400	<0.1900
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.4000	<0.0400	<0.1900
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.4000	0.0480 J	<0.1900
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.7900	<0.0800	<0.3800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.4000	<0.0400	<0.1900
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.4000	<0.0400	<0.1900
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.4000	<0.0400	<0.1900
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.4000	0.1100 J	<0.1900
Pyrene	129-00-0	MG/KG	340	4600	220		<0.4000	<0.0400	<0.1900
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.873 UJ	<0.772	<4.18
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.52	3.15	4.09 J
Barium	7440-39-3	MG/KG	3000	44000	580		97.2	208	12.5 J
Beryllium	7440-41-7	MG/KG	32	460	63		1.70	2.08	0.333 J
Cadmium	7440-43-9	MG/KG	14	200	3		0.401 J	0.0714 J	1.28 J
Chromium	7440-47-3	MG/KG	24000	100000	360000		2.17	3.43	7.02 J
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		4.97	3.04	1.47 J
Copper	7440-50-8	MG/KG	620	9400	700		3.06	1.87	45.4 J
Lead	7439-92-1	MG/KG	400	800	270		8.49	9.30	11.8 J
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0039	<0.0033	0.378 J
Nickel	7440-02-0	MG/KG	300	4400	130		2.53	1.82	12.3 J

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.153	<0.175	33.0 J
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		1.29 J	<1.09	<5.20
Tin	7440-31-5	MG/KG	9400	100000	10000		3.16 B	3.21 B	12.4 J
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		15.7	14.6	3.42 J
Zinc	7440-66-6	MG/KG	4600	70000	1200		40.3	30.7	206000

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.1900	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			<0.1900	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.1900	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.1900	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.1900	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.1900	
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.5600	
Acetone	67-64-1	MG/KG	12000	100000	24			<1.3000	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.0930	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.1900	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.1900	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.1900	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.1900	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.1900	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<6.0000		<2.5000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.7500	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.5600	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.3700	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.1900	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.1900	
Toluene	108-88-3	MG/KG	820	820	5.5			<0.1900	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.1900	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.1900	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.3700	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.1900	
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.1900	
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0880	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0880	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0880	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0880	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0880	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0880	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.1800	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.1800	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0880	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0880	
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0880	
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0880	

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			0.0920 J	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			0.1900 J	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			0.2500 J	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			0.1700 J	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			0.0950 J	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			0.1700 J	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			0.8900 J	
Biphenyl	92-52-4	MG/KG	9.4	40	43			55.0000	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			5.5000	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.1800	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.0880	
Chrysene	218-01-9	MG/KG	15	290	18			0.2700 J	
Diallate	2303-16-4	MG/KG	8.7	38				<0.0880	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0880	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			0.7900 J	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.1800	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				160.0000	
Fluoranthene	206-44-0	MG/KG	460	6000	330			0.6400 J	
Fluorene	86-73-7	MG/KG	460	6000	56			0.1500 J	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			0.1400 J	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.0880	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			0.2600 J	
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0880	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0880	
Phenanthrene	85-01-8	MG/KG	3400	46000	68			0.3900 J	
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0880	
Pyrene	129-00-0	MG/KG	340	4600	220			0.9500	
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9			129 J	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			9.61 J	
Barium	7440-39-3	MG/KG	3000	44000	580			36.5 J	
Beryllium	7440-41-7	MG/KG	32	460	63			1.41	
Cadmium	7440-43-9	MG/KG	14	200	3			12.6 J	
Chromium	7440-47-3	MG/KG	24000	100000	360000			1190 J	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			3.54 J	
Copper	7440-50-8	MG/KG	620	9400	700			199 J	
Lead	7439-92-1	MG/KG	400	800	270			45.4 J	
Mercury	7439-97-6	MG/KG	1.9	8.0	1			0.889 J	
Nickel	7440-02-0	MG/KG	300	4400	130			25.0 J	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		642 J		
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		16.7 J		
Tin	7440-31-5	MG/KG	9400	100000	10000		97.7		
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		57.9 J		
Zinc	7440-66-6	MG/KG	4600	70000	1200		3000		

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
<i>Volatile Organic Compound</i>									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010		<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010		<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010		<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010		<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010		<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030		<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		0.0680		0.1100
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		0.0040 J		0.0010 J
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010		0.0010 J
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		0.0040 J		<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		0.0210		0.0100
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010		<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.6000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		0.0080 J		0.0100 J
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030		<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020		<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010		<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		0.0030 J		<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		0.0100		0.0020 J
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010		<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020		<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		0.0010 J		<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		0.0020 J		<0.0010
<i>Semivolatile Organic Compound</i>									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.2000		<0.2000
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.2000		<0.2000
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.2000		<0.2000
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.2000		<0.2000
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.2000		<0.2000
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.2000		<0.2000
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.4000		<0.4000
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.4000		<0.4000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.2000		<0.2000
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.2000		<0.2000
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.2000		<0.2000
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.2000		<0.2000

Table 9
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.2000		<0.2000
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.2000		<0.2000
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.2000		<0.2000
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.2000		<0.2000
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.2000		<0.2000
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.2000		<0.2000
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<1.0000		<0.9900
Biphenyl	92-52-4	MG/KG	9.4	40	43		10.0000		2.0000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.6000		<0.6000
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.4000		<0.4000
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.2000		<0.2000
Chrysene	218-01-9	MG/KG	15	290	18		<0.2000		<0.2000
Diallate	2303-16-4	MG/KG	8.7	38			<0.2000		<0.2000
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.2000		<0.2000
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.2000		<0.2000
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.4000		<0.4000
Diphenyl Ether	101-84-8	MG/KG	2700	19000			36.0000		7.8000
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.2000		<0.2000
Fluorene	86-73-7	MG/KG	460	6000	56		<0.2000		<0.2000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.2000		<0.2000
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.2000		<0.2000
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.4000		<0.4000
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.2000		<0.2000
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.2000		<0.2000
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.2000		<0.2000
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.2000		<0.2000
Pyrene	129-00-0	MG/KG	340	4600	220		<0.2000		<0.2000
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		2.46		1.04 J
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		1.75 B		1.61 B
Barium	7440-39-3	MG/KG	3000	44000	580		34.8		33.9
Beryllium	7440-41-7	MG/KG	32	460	63		1.14		1.20
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0647		<0.0655
Chromium	7440-47-3	MG/KG	24000	100000	360000		6.36		6.36
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		2.05		2.46
Copper	7440-50-8	MG/KG	620	9400	700		3.31		2.44
Lead	7439-92-1	MG/KG	400	800	270		14.6		18.1
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0249 J		0.0258 J
Nickel	7440-02-0	MG/KG	300	4400	130		4.58		5.05

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		0.411 J		0.281 J
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.06		<1.08
Tin	7440-31-5	MG/KG	9400	100000	10000		4.35 B		3.98 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		15.4		17.2
Zinc	7440-66-6	MG/KG	4600	70000	1200		30.8		23.3

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
<i>Volatile Organic Compound</i>							
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		0.0170 J
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010
<i>Semivolatile Organic Compound</i>							
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0400
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000 R
Biphenyl	92-52-4	MG/KG	9.4	40	43		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400
Diesel Range Organics	394878-87-0	MG/KG					
Inorganics							
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.881 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		2.01
Barium	7440-39-3	MG/KG	3000	44000	580		50.6 J
Beryllium	7440-41-7	MG/KG	32	460	63		1.27
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0666
Chromium	7440-47-3	MG/KG	24000	100000	360000		6.39 J
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		2.97
Copper	7440-50-8	MG/KG	620	9400	700		4.37
Lead	7439-92-1	MG/KG	400	800	270		20.1 J
Mercury	7439-97-6	MG/KG	1.9	8.0	1		0.0235 J
Nickel	7440-02-0	MG/KG	300	4400	130		5.14

Table 9
Constituents of Potential Concern in Historic Subsurface Soil Locations
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.155
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.09
Tin	7440-31-5	MG/KG	9400	100000	10000		5.22 B
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		15.3
Zinc	7440-66-6	MG/KG	4600	70000	1200		28.7

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value Value for phenanthrene is anthracene

	Exceeds PSRG for Protection of Mig to GW (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG and Mig to GW PSRG (and site-specific background for inorganics, where applicable)
	Exceeds Residential PSRG, Mig to GW PSRG and Non-Residential PSRG (and site-specific background for inorganics, where applicable)

Table 10A
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
<i>Volatile Organic Compounds</i>									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	53	1	0.025	0.025	SWMU13-SS-6	0.0012	1
1,1-Dichloroethene	75-35-4	MG/KG	53	2	0.001	0.019	MA-SS-7	2.3	0
Acetone	67-64-1	MG/KG	53	51	0.01	0.1	SWMU13-SS-2	24	0
Benzene	71-43-2	MG/KG	53	1	0.001	0.001	SWMU15-SBS-1	0.0073	0
Carbon Disulfide	75-15-0	MG/KG	53	15	0.0009	0.005	MA-SS-7	3.8	0
cis-1,2 Dichloroethene	156-59-2	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	0.36	0
Ethylbenzene	100-41-4	MG/KG	53	1	0.01	0.01	SWMU19-SS-1	8.1	0
Methyl Ethyl Ketone	78-93-3	MG/KG	53	1	0.004	0.004	SWMU13-SS-3	16	0
Methylene Chloride	75-09-2	MG/KG	53	3	0.005	0.01	SWMU16-SS-9	0.023	0
Tetrachloroethene	127-18-4	MG/KG	53	7	0.002	0.086	SWMU16-SS-9	0.005	3
Toluene	108-88-3	MG/KG	53	1	0.002	0.002	SWMU19-SS-1	5.5	0
trans-1,2-Dichloroethene	156-60-5	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	0.51	0
Trichloroethene	79-01-6	MG/KG	53	6	0.001	0.013	SWMU13-SS-6	0.018	0
Trichlorofluoromethane	75-69-4	MG/KG	53	3	0.002	0.025	MA-SS-7	24	0
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	53	1	0.02	0.02	SWMU19-SS-3	0.097	0
2,4-Dimethylphenol	105-67-9	MG/KG	53	1	0.15	0.15	MA-SS-2	1.4	0
2-Methylnaphthalene	91-57-6	MG/KG	53	17	0.004	3.2	MA-SS-2	1.6	1
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	53	1	0.025	0.025	MA-SS-5	4.1	0
3-Methylcholanthrene	56-49-5	MG/KG	53	6	0.02	0.32	MA-SS-4	No Value	-
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	53	2	0.023	0.31	MA-SS-2	12	0
Acenaphthene	83-32-9	MG/KG	53	26	0.004	4.9	MA-SS-2	8.4	0
Acenaphthylene	208-96-8	MG/KG	53	21	0.004	1.5	MA-SS-2	21	0
Acetophenone	98-86-2	MG/KG	53	2	0.026	0.035	MA-SS-5	3.5	0
Anthracene	120-12-7	MG/KG	53	27	0.004	12	MA-SS-2	660	0
Benzo(A)Anthracene	56-55-3	MG/KG	53	48	0.004	32	MA-SS-2	0.18	15
Benzo(B)Fluoranthene	205-99-2	MG/KG	53	51	0.005	32	MA-SS-2	0.6	12
Benzo(G,H,I)Perylene	191-24-2	MG/KG	53	51	0.004	11	MA-SS-2	7800	0
Benzo(K)Fluoranthene	207-08-9	MG/KG	53	49	0.004	9.5	MA-SS-2	5.9	3

Table 10A
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
Benzo[A]Pyrene	50-32-8	MG/KG	53	51	0.005	18	MA-SS-2	0.059	23
Benzyl Alcohol	100-51-6	MG/KG	53	1	0.42	0.42	MA-SS-5	3.1	0
Biphenyl	92-52-4	MG/KG	53	13	0.02	0.98	MA-SS-2	43	0
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	53	2	0.48	0.5	MA-SS-2	7.2	0
Butyl Benzyl Phthalate	85-68-7	MG/KG	53	1	0.16	0.16	MA-SS-5	150	0
Chrysene	218-01-9	MG/KG	53	49	0.004	20	MA-SS-2	18	2
Dibenz(A,H)Anthracene	53-70-3	MG/KG	53	38	0.005	3.5	MA-SS-2	0.19	8
Dibenzofuran	132-64-9	MG/KG	53	12	0.028	4.6	MA-SS-2	5.2	0
Diphenyl Ether	101-84-8	MG/KG	53	14	0.022	3.8	MA-SS-5	5.6	0
Fluoranthene	206-44-0	MG/KG	53	47	0.004	71	MA-SS-2	330	0
Fluorene	86-73-7	MG/KG	53	26	0.004	8.6	MA-SS-2	56	0
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	53	50	0.005	11	MA-SS-2	2	5
Naphthalene	91-20-3	MG/KG	53	20	0.004	7.3	MA-SS-2	0.21	4
Phenanthrene	85-01-8	MG/KG	53	43	0.004	56	MA-SS-2	68	0
Phenol	108-95-2	MG/KG	53	1	0.024	0.024	SWMU13-SS-1	0.23	0
Pyrene	129-00-0	MG/KG	53	48	0.005	48	MA-SS-2	220	0
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	8	1	0.7	0.7	MA-SS-5	0.14	1
PCB 1254	11097-69-1	MG/KG	8	7	0.012	0.43	MA-SS-5	0.14	1
PCB 1260	11096-82-5	MG/KG	8	4	0.0086	0.14	MA-SS-5	0.14	0
Inorganics									
Antimony	7440-36-0	MG/KG	53	30	0.1	5.83	MA-SS-5	0.9	6
Arsenic	7440-38-2	MG/KG	53	53	0.756	5.48	MA-SS-3	5.8	0
Barium	7440-39-3	MG/KG	53	53	17.1	107	MA-SS-3	580	0
Beryllium	7440-41-7	MG/KG	53	53	0.51	1.5	SWMU15-SS-2	63	0
Cadmium	7440-43-9	MG/KG	53	44	0.0484	0.747	MA-SS-5	3	0
Chromium	7440-47-3	MG/KG	53	53	1.36	14.2	MA-SS-5	360000	0
Cobalt	7440-48-4	MG/KG	53	53	0.879	5.07	MA-SS-6	0.9 (14.7)	0
Copper	7440-50-8	MG/KG	53	53	1.72	36.7	SWMU15-SBS-1	700	0
Lead	7439-92-1	MG/KG	53	53	5.68	34.2	MA-SS-5	270	0

Table 10A
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
Mercury	7439-97-6	MG/KG	53	47	0.0119	0.152	SWMU13-SS-10	1	0
Nickel	7440-02-0	MG/KG	53	53	2	80.3	SWMU15-SS-5	130	0
Selenium	7782-49-2	MG/KG	53	53	0.134	0.728	SWMU15-SS-2	2.1	0
Silver	7440-22-4	MG/KG	53	13	0.306	36.5	MA-SS-2	3.4	6
Thallium	7440-28-0	MG/KG	53	53	0.104	0.638	MA-SS-6	0.28	25
Tin	7440-31-5	MG/KG	53	53	2.57	4.5	MA-SS-5	10000	0
Vanadium	7440-62-2	MG/KG	53	53	4	28.1	MA-SS-3	6 (22.8)	4
Zinc	7440-66-6	MG/KG	53	53	9.89	236	MA-SS-5	1200	0

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
				Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
				Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010 J
Acetone	67-64-1	MG/KG	24		0.0100 J	0.037	0.039	0.026	0.028	0.026	0.047
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00060	<0.00060	<0.00060	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		0.0040 J	0.0010 J	<0.0010	0.0010 J	<0.0010	0.0040 J	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	0.0020 J	0.0030 J	<0.0020
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0970	0.1500 J	<0.0190	<0.0980	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		0.0080 J	0.5500 J	3.2000 J	0.0050 J	0.75	0.086	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0250 J	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	0.28	0.32	<0.0190	0.32	0.082	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0970	0.31	<0.0190	<0.0980	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		0.052	2.5000 J	4.9000 J	0.038	4	0.6	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		0.0150 J	1.5000 J	1.1	0.0120 J	0.37	0.093	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0350 J	<0.0190
Anthracene	120-12-7	MG/KG	660		0.15	9.1	12	0.11	8.8	1.5	0.0060 J
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.51	22	32	0.42	19	5.1	0.028
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.66	22	32	0.53	20	6.3	0.049
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.38	11	11	0.3	7.9	2.9	0.0190 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.25	9	9.5	0.22	6.4	1.8	0.0100 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.49	17	18	0.39	14	4	0.032
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	0.4200 J	<0.1900
Biphenyl	92-52-4	MG/KG	43		0.11	0.4300 J	0.9800 J	<0.0190	0.33	0.88	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0750	0.5000 J	<0.3900	<0.0760	<0.3900	0.48	<0.0770
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	0.1600 J	<0.0770
Chrysene	218-01-9	MG/KG	18		0.47	19	20	0.39	17	4.4	0.026
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.099	3.1000 J	3.5	0.06	3	0.84	0.0080 J
Dibenzofuran	132-64-9	MG/KG	5.2		0.0280 J	1.2000 J	4.6000 J	<0.0190	2.2	0.28	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		0.48	0.5	0.41	0.057	0.3	3.8	<0.0190
Fluoranthene	206-44-0	MG/KG	330		1	58	71	0.78	48	9.6	0.04
Fluorene	86-73-7	MG/KG	56		0.058	4.1000 J	8.6000 J	0.039	4.4	0.58	<0.0040

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
				Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
				Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.33	10	11	0.25	8.1	2.8	0.023
Naphthalene	91-20-3	MG/KG	0.21		0.0170 J	0.6400 J	7.3000 J	0.0070 J	1.2	0.2	<0.0040
Phenanthrene	85-01-8	MG/KG	68		0.62	36	56	0.42	36	5.5	0.0180 J
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	220		0.82	41	48	0.65	23	7.2	0.034
Polychlorinated Biphenyls											
PCB 1248	12672-29-6	MG/KG	0.14		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	0.7	<0.00380
PCB 1254	11097-69-1	MG/KG	0.14		0.0170 J	0.2400 J	0.1900 J	0.0120 J	0.082	0.43	<0.00380
PCB 1260	11096-82-5	MG/KG	0.14		0.00860 J	<0.00570	<0.0290	<0.00560	0.0220	0.1400	<0.00560
Inorganics											
Antimony	7440-36-0	MG/KG	0.9		0.393 J	0.859	0.619 J	1.52	0.491	5.83	0.148 J
Arsenic	7440-38-2	MG/KG	5.8		1.31 J	2.95 J	2.84	5.48 J	3.10 J	2.64 J	2.42 J
Barium	7440-39-3	MG/KG	580		104	48.3	55.7	107	49.9	68.2	51.3
Beryllium	7440-41-7	MG/KG	63		0.902 J	1.14 J	1.26	1.00 J	1.26	1.28	1.29
Cadmium	7440-43-9	MG/KG	3		0.0891 J	0.395 J	0.302 J	0.252 J	0.483 J	0.747 J	<0.0373
Chromium	7440-47-3	MG/KG	360000		6.27	12.3	11.8	9.71	8.28	14.2	4.13
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		2.46	2.99	3.24	4.04	3.06	3.70	5.07
Copper	7440-50-8	MG/KG	700		8.26 J	14.1 J	13.8	18.8 J	9.88 J	30.8 J	6.22 J
Lead	7439-92-1	MG/KG	270		19.1 J	16.7 J	16.6	15.0 J	16.4 J	34.2 J	11.6 J
Mercury	7439-97-6	MG/KG	1		0.0146 J	0.0607 J	0.0491 J	0.0239 J	0.0600 J	0.0541 J	0.0137 J
Nickel	7440-02-0	MG/KG	130		23.5	9.89	8.26	9.65	5.66	6.21	5.37
Selenium	7782-49-2	MG/KG	2.1		0.251 J	0.586 J	0.501 J	0.715 J	0.594 J	0.424 J	0.691 J
Silver	7440-22-4	MG/KG	3.4		0.536 J	36.5	34.5	5.47	21.7	6.57	<0.215
Thallium	7440-28-0	MG/KG	0.28		0.336 J	0.350 J	0.320	0.488 J	0.372 J	0.341 J	0.638 J
Tin	7440-31-5	MG/KG	10000		3.11 B	3.03 B	3.71 B	3.43 B	3.52 B	4.50 B	2.94 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		9.07	17.5	19.4	28.1	20.5	16.8	18.9
Zinc	7440-66-6	MG/KG	1200		50.3 J	175 J	182 J	101 J	112 J	236 J	48.7 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
				Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
				Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	2.3		0.019	<0.00090	<0.0010	<0.0010	<0.00090
Acetone	67-64-1	MG/KG	24		0.052	0.052	0.057	0.1	0.077
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		0.0050 J	<0.00090	<0.0010	<0.0010	0.0010 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0040	<0.0050	0.0040 J
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0030	<0.0020	<0.0020	0.0050 J	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	24		0.025	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		0.095	<0.0040	0.023	0.033	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		0.0200 J	<0.0190	<0.0200	<0.0200	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		0.31	0.0070 J	0.24	0.21	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		0.2	0.0120 J	0.023	0.036	0.0040 J
Acetophenone	98-86-2	MG/KG	3.5		0.0260 J	<0.0190	<0.0200	<0.0200	<0.0190
Anthracene	120-12-7	MG/KG	660		0.92	0.0170 J	0.57	0.5	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		1.7	0.09	2.5	1.8	0.0160 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		2	0.13	3	2.2	0.032
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.95	0.064	1.5	1.1	0.0140 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.73	0.048	1.4	0.89	0.0120 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		1.5	0.094	2.3	1.6	0.024
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.2000	<0.2000	<0.1900
Biphenyl	92-52-4	MG/KG	43		0.0350 J	<0.0190	<0.0200	<0.0200	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Chrysene	218-01-9	MG/KG	18		1.5	0.095	2.4	1.7	0.0160 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.28	0.0150 J	0.47	0.27	0.0070 J
Dibenzofuran	132-64-9	MG/KG	5.2		0.26	<0.0190	0.085	0.094	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
Fluoranthene	206-44-0	MG/KG	330		3.7	0.16	4.4	3.6	0.0140 J
Fluorene	86-73-7	MG/KG	56		0.53	0.0090 J	0.26	0.24	<0.0040

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
				Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
				Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.93	0.059	1.5	1	0.0130 J
Naphthalene	91-20-3	MG/KG	0.21		0.19	0.0040 J	0.043	0.074	<0.0040
Phenanthrene	85-01-8	MG/KG	68		3.2	0.073	2.6	2.2	0.0050 J
Phenol	108-95-2	MG/KG	0.23		<0.0190	0.0240 J	<0.0200	<0.0200	<0.0190
Pyrene	129-00-0	MG/KG	220		2.8	0.13	3.8	2.7	0.0140 J
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14		<0.00380				
PCB 1254	11097-69-1	MG/KG	0.14		0.054				
PCB 1260	11096-82-5	MG/KG	0.14		0.0280				
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		0.171 J	<0.0958 UJ	0.191 J	<0.100 UJ	<0.0975 UJ
Arsenic	7440-38-2	MG/KG	5.8		2.09 J	1.39	4.90 J	2.69	2.85
Barium	7440-39-3	MG/KG	580		45.3	29.5	30.1	85.4	18.4
Beryllium	7440-41-7	MG/KG	63		1.29	0.921 J	0.745 J	1.12 J	0.547 J
Cadmium	7440-43-9	MG/KG	3		0.0994 J	0.0919 J	0.156 J	0.154 J	0.0589 J
Chromium	7440-47-3	MG/KG	360000		4.50	3.63	12.2	9.12	10.1
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		3.51	1.95	1.76	4.56	1.22
Copper	7440-50-8	MG/KG	700		21.3 J	3.96	8.69	6.36	5.26
Lead	7439-92-1	MG/KG	270		12.6 J	8.89 J	20.8 J	18.8 J	10.7 J
Mercury	7439-97-6	MG/KG	1		0.0350 J	0.0277 J	0.152 J	0.0458 J	0.0586 J
Nickel	7440-02-0	MG/KG	130		2.98	12.8	41.3	26.9	20.2
Selenium	7782-49-2	MG/KG	2.1		0.534 J	0.275 J	0.528 J	0.461 J	0.439 J
Silver	7440-22-4	MG/KG	3.4		7.47	<0.216	<0.231	<1.13	<0.219
Thallium	7440-28-0	MG/KG	0.28		0.407 J	0.156 J	0.234 J	0.190 J	0.155 J
Tin	7440-31-5	MG/KG	10000		3.13 B	2.78 B	3.99 B	3.76 B	3.22 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		13.8	9.59	20.7	20.2	21.1
Zinc	7440-66-6	MG/KG	1200		72.6 J	20.4	15.3	21.8	14.9

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
				Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
				Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	DUP	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.00090	<0.0010	<0.0010	0.025	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		0.06	0.035	0.039	0.028	0.055
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	3.8		0.00090 J	0.0010 J	<0.0010	0.0020 J	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.00090	<0.0010	<0.0010	0.0020 J	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0050	<0.0050
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	0.009
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.00090	<0.0010	<0.0010	0.0040 J	0.008
Toluene	108-88-3	MG/KG	5.5		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.00090	<0.0010	<0.0010	0.0020 J	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.00090	<0.0010	<0.0010	0.013	0.0030 J
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	0.0040 J	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	<0.0040	0.053	0.0170 J
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	0.0120 J	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	0.14	0.042
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.0120 J	0.0100 J	0.0140 J	0.82	0.17
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.023	0.022	0.034	1.3	0.24
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0150 J	0.0150 J	0.02	0.64	0.12
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0120 J	0.0110 J	0.0120 J	0.43	0.082
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0180 J	0.0190 J	0.021	0.86	0.17
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.2000	<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0200	0.074	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Chrysene	218-01-9	MG/KG	18		0.0120 J	0.0100 J	0.0150 J	0.9	0.16
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.0060 J	0.0050 J	0.0070 J	0.15	0.028
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0200	0.11	<0.0200
Fluoranthene	206-44-0	MG/KG	330		0.0100 J	0.0080 J	0.0180 J	1.6	0.34
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	<0.0040	0.051	0.0180 J

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
				Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
				Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	DUP	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0150 J	0.0130 J	0.02	0.61	0.11
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	0.0090 J	<0.0040
Phenanthrene	85-01-8	MG/KG	68		<0.0040	0.0040 J	0.0070 J	0.68	0.18
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	220		0.0090 J	0.0080 J	0.0170 J	1.3	0.26
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.0942 UJ	0.110 J	<0.0969 UJ	0.306 J	<0.0997 UJ
Arsenic	7440-38-2	MG/KG	5.8		2.77	2.60	2.49	1.60	2.04
Barium	7440-39-3	MG/KG	580		17.2	24.5	29.3	40.5	23.2
Beryllium	7440-41-7	MG/KG	63		0.510 J	0.656 J	0.708 J	0.765 J	0.962 J
Cadmium	7440-43-9	MG/KG	3		0.0714 J	0.0627 J	0.0998 J	0.0920 J	0.150 J
Chromium	7440-47-3	MG/KG	360000		9.59	8.98	9.12	5.70	6.24
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		1.21	1.47	1.56	2.38	2.27
Copper	7440-50-8	MG/KG	700		4.77	4.91	5.28	5.42	4.48
Lead	7439-92-1	MG/KG	270		9.85 J	10.8 J	12.5 J	11.0 J	11.7 J
Mercury	7439-97-6	MG/KG	1		0.0484 J	0.0632 J	0.0556 J	0.0307 J	0.0471 J
Nickel	7440-02-0	MG/KG	130		15.1	24.4	12.0	30.1	36.0
Selenium	7782-49-2	MG/KG	2.1		0.367 J	0.281 J	0.374 J	0.267 J	0.399 J
Silver	7440-22-4	MG/KG	3.4		<0.212	<0.221	<0.218	0.506 J	<0.224
Thallium	7440-28-0	MG/KG	0.28		0.139 J	0.154 J	0.194 J	0.151 J	0.233 J
Tin	7440-31-5	MG/KG	10000		2.97 B	3.38 B	3.22 B	2.86 B	3.83 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		19.7	18.6	20.1	13.2	15.2
Zinc	7440-66-6	MG/KG	1200		14.6	14.2	17.0	26.2	22.3

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
				Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
				Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Acetone	67-64-1	MG/KG	24		0.029	0.076	0.0160 J	0.026	0.0150 J
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00060	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.00090	0.0020 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0050	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		0.0010 J	<0.0010	<0.0010	<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.0170 J	0.02	0.0100 J	0.0050 J	0.0040 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.029	0.035	0.0120 J	0.0150 J	0.0080 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0140 J	0.0190 J	0.0080 J	0.0150 J	0.0070 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0130 J	0.0120 J	0.0070 J	0.0060 J	0.0050 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0170 J	0.023	0.0100 J	0.0140 J	0.0060 J
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.1900	<0.1900	<0.2000	<0.1800
Biphenyl	92-52-4	MG/KG	43		0.0380 J	<0.0190	<0.0190	<0.0200	<0.0180
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Chrysene	218-01-9	MG/KG	18		0.021	0.021	0.0090 J	0.0090 J	0.0050 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.0050 J	0.0090 J	0.0050 J	0.0050 J	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Diphenyl Ether	101-84-8	MG/KG	5.6		0.063	<0.0190	<0.0190	<0.0200	<0.0180
Fluoranthene	206-44-0	MG/KG	330		0.04	0.037	0.0110 J	<0.0040	0.0040 J
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
				Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
				Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0110 J	0.0170 J	0.0080 J	0.0120 J	0.0050 J
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		0.0170 J	0.0160 J	0.0050 J	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Pyrene	129-00-0	MG/KG	220		0.034	0.032	0.0110 J	0.0050 J	<0.0040
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		0.271 J	<0.0971 R	<0.0959 R	0.173 J	<0.0932 R
Arsenic	7440-38-2	MG/KG	5.8		2.08 J	2.11 J	2.59 J	3.90 J	1.57 J
Barium	7440-39-3	MG/KG	580		34.9	85.1	74.6	26.0	85.3
Beryllium	7440-41-7	MG/KG	63		0.827 J	0.676 J	1.27	0.757 J	1.44
Cadmium	7440-43-9	MG/KG	3		0.0885 J	0.118 J	0.108 J	0.126 J	0.0872 J
Chromium	7440-47-3	MG/KG	360000		5.30	5.47	2.45 J	9.34	2.56 J
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		2.57	4.87	2.66	1.92	2.43
Copper	7440-50-8	MG/KG	700		4.94	8.56	2.77	5.02	1.72 J
Lead	7439-92-1	MG/KG	270		12.4 J	17.9 J	9.07 J	15.9 J	5.72 J
Mercury	7439-97-6	MG/KG	1		0.0335 J	0.0404 J	<0.0112	0.0474 J	<0.0107
Nickel	7440-02-0	MG/KG	130		19.1	14.0	18.4	11.7	39.1
Selenium	7782-49-2	MG/KG	2.1		0.371 J	0.406 J	0.474 J	0.533 J	0.366 J
Silver	7440-22-4	MG/KG	3.4		0.338 J	<0.218	<0.216	<0.226	<0.210
Thallium	7440-28-0	MG/KG	0.28		0.190 J	0.104 J	0.444 J	0.278 J	0.471 J
Tin	7440-31-5	MG/KG	10000		3.05 B	2.75 B	2.82 B	3.56 B	2.60 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		12.2	13.0	12.1	24.0	12.0
Zinc	7440-66-6	MG/KG	1200		21.7	16.3	26.2	16.6	24.4

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
				Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
				Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		<0.0080	0.0170 J	0.0120 J	0.0100 J	0.02
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00060	<0.00050	<0.00070	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0050	<0.0040	<0.0060	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	0.0080 J	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.0080 J	0.0090 J	0.0060 J	<0.0040	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.0150 J	0.0140 J	0.0100 J	0.0050 J	0.0060 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0080 J	0.0100 J	0.0080 J	0.0050 J	0.0060 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0050 J	0.0080 J	0.0060 J	<0.0040	<0.0040
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0110 J	0.0120 J	0.0090 J	0.0050 J	0.0060 J
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.2200	<0.2100	<0.2000	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Chrysene	218-01-9	MG/KG	18		0.0100 J	0.0080 J	0.0050 J	<0.0040	<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.0050 J	<0.0040	<0.0040	<0.0040	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	0.0330 J	<0.0210	<0.0200	<0.0200
Fluoranthene	206-44-0	MG/KG	330		0.0120 J	0.0150 J	0.0080 J	<0.0040	<0.0040
Fluorene	86-73-7	MG/KG	56		<0.0040	0.0070 J	<0.0040	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
				Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
				Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0070 J	0.0090 J	0.0070 J	0.0050 J	0.0050 J
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		0.0080 J	0.0120 J	0.0070 J	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Pyrene	129-00-0	MG/KG	220		0.0120 J	0.0130 J	0.0080 J	<0.0040	<0.0040
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		0.100 J	<0.107 R	<0.101 R	<0.102 R	<0.0974 R
Arsenic	7440-38-2	MG/KG	5.8		1.61 J	1.72 J	1.48 J	1.11 J	1.84 J
Barium	7440-39-3	MG/KG	580		44.6	45.2	47.0	25.8	54.6
Beryllium	7440-41-7	MG/KG	63		0.881 J	0.926 J	0.910 J	0.583 J	1.24
Cadmium	7440-43-9	MG/KG	3		0.0817 J	0.0966 J	0.0768 J	0.0638 J	0.133 J
Chromium	7440-47-3	MG/KG	360000		3.07 J	3.28 J	2.73 J	3.97	4.71
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		2.24	2.66	2.37	1.85	3.61
Copper	7440-50-8	MG/KG	700		3.06	3.54	2.84	2.58	3.65
Lead	7439-92-1	MG/KG	270		9.94 J	8.82 J	7.57 J	5.68 J	9.53 J
Mercury	7439-97-6	MG/KG	1		0.0124 J	<0.0128	0.0119 J	0.0180 J	0.0289 J
Nickel	7440-02-0	MG/KG	130		17.4	6.13	6.31	7.08	15.3
Selenium	7782-49-2	MG/KG	2.1		0.256 J	0.376 J	0.319 J	0.134 J	0.385 J
Silver	7440-22-4	MG/KG	3.4		<0.225	<0.241	<0.228	<0.229	<0.219
Thallium	7440-28-0	MG/KG	0.28		0.301 J	0.404 J	0.311 J	0.169 J	0.326 J
Tin	7440-31-5	MG/KG	10000		2.94 B	3.24 B	2.85 B	3.82 B	4.18 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		12.3	13.7	12.9	13.6	20.9
Zinc	7440-66-6	MG/KG	1200		22.1	19.3	19.8	14.8	28.2

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
				Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
				Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
				Sample Purpose	FS	FS	FS	FS	DUP
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Acetone	67-64-1	MG/KG	24		0.025	0.025	0.032	0.036	0.041
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	0.0010 J	<0.00040	<0.00040
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	0.0010 J	<0.00080	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	0.16	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0210	0.084	<0.0190	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0210	0.0230 J	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	1.1	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	0.036	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	3.1	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		<0.0040	0.0050 J	6.8	0.019	0.0130 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.0060 J	0.0080 J	7.7	0.022	0.019
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0060 J	0.0080 J	4.2	0.0140 J	0.0130 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0040 J	0.0050 J	2.8	0.0090 J	0.0070 J
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0060 J	0.0070 J	6	0.0170 J	0.0170 J
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.2100	<0.2000	<0.1900	<0.1900
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0210	0.082	<0.0190	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Chrysene	218-01-9	MG/KG	18		0.0040 J	0.0060 J	6.1	0.0170 J	0.0110 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		<0.0040	<0.0040	1.2	<0.0040	0.0050 J
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0210	0.52	<0.0190	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	<0.0210	0.063	<0.0190	<0.0190
Fluoranthene	206-44-0	MG/KG	330		0.0060 J	0.0070 J	15	0.022	0.0100 J
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	1.2	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
				Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
				Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
				Sample Purpose	FS	FS	FS	FS	DUP
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0050 J	0.0060 J	3.9	0.0130 J	0.0110 J
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	0.45	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		0.0050 J	0.0050 J	9.7	0.0090 J	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	220		0.0060 J	0.0080 J	11	0.02	0.0120 J
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.0978 R	0.130 J	2.10	<0.0929	<0.0924 UJ
Arsenic	7440-38-2	MG/KG	5.8		2.00 J	2.27 J	2.22 J	1.34 J	1.18
Barium	7440-39-3	MG/KG	580		31.2	49.3	49.8	28.5	27.8
Beryllium	7440-41-7	MG/KG	63		0.840 J	1.09 J	1.08 J	1.00 J	1.00 J
Cadmium	7440-43-9	MG/KG	3		0.0915 J	0.0940 J	0.290 J	<0.0363	<0.0361
Chromium	7440-47-3	MG/KG	360000		4.72	3.78	8.70	3.35	2.80 J
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		2.49	2.50	3.43	1.92	1.91
Copper	7440-50-8	MG/KG	700		3.37	3.40	36.7 J	2.99 J	2.47
Lead	7439-92-1	MG/KG	270		11.7 J	11.0 J	30.1 J	14.0 J	12.1
Mercury	7439-97-6	MG/KG	1		0.0258 J	0.0163 J	0.0490 J	0.0276 J	0.0223 J
Nickel	7440-02-0	MG/KG	130		18.3	8.94	7.95	2.72	2.00 J
Selenium	7782-49-2	MG/KG	2.1		0.316 J	0.392 J	0.352 J	0.236 J	0.219 J
Silver	7440-22-4	MG/KG	3.4		<0.220	<0.229	2.68	<0.209	<0.208
Thallium	7440-28-0	MG/KG	0.28		0.242 J	0.341 J	0.337 J	0.228 J	0.198 J
Tin	7440-31-5	MG/KG	10000		3.10 B	3.07 B	3.94 B	3.25 B	3.14 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		15.6	14.7	23.4	8.35	8.50
Zinc	7440-66-6	MG/KG	1200		21.5	23.3	157 J	18.1 J	16.5 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
				Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
				Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Acetone	67-64-1	MG/KG	24		0.0180 J	0.023	0.023	0.0190 J	<0.4400
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00060	<0.00060	<0.0310
Carbon Disulfide	75-15-0	MG/KG	3.8		0.0010 J	<0.0010	<0.0010	<0.0010	<0.0630
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0050	<0.2500
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	0.0020 J	<0.0010	<0.0630
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		0.028	<0.0040	0.03	0.0180 J	0.0070 J
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		0.047	<0.0040	0.13	0.075	0.038
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	0.0090 J	0.0130 J	0.0050 J
Acetophenone	98-86-2	MG/KG	3.5		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Anthracene	120-12-7	MG/KG	660		0.033	<0.0040	0.29	0.21	0.1
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.026	0.0060 J	0.65	0.6	0.37
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.024	0.0070 J	0.71	0.77	0.44
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0130 J	0.0040 J	0.35	0.34	0.23
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0150 J	0.0060 J	0.28	0.22	0.17
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0180 J	0.0050 J	0.55	0.52	0.33
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0210	<0.0200	0.0200 J	<0.0210	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Chrysene	218-01-9	MG/KG	18		0.026	0.0060 J	0.53	0.5	0.3
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.0050 J	<0.0040	0.11	0.11	0.068
Dibenzofuran	132-64-9	MG/KG	5.2		0.0330 J	<0.0200	0.073	0.043	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0210	<0.0200	0.0220 J	<0.0210	<0.0200
Fluoranthene	206-44-0	MG/KG	330		0.084	<0.0040	1.2	1.1	0.68
Fluorene	86-73-7	MG/KG	56		0.036	<0.0040	0.16	0.095	0.038

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
				Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
				Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0110 J	<0.0040	0.33	0.32	0.22
Naphthalene	91-20-3	MG/KG	0.21		0.0180 J	<0.0040	0.078	0.041	0.0090 J
Phenanthrene	85-01-8	MG/KG	68		0.12	<0.0040	0.9	0.66	0.37
Phenol	108-95-2	MG/KG	0.23		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Pyrene	129-00-0	MG/KG	220		0.065	0.0050 J	0.97	0.86	0.53
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.105 UJ	<0.104 UJ	0.598	1.29	0.274 J
Arsenic	7440-38-2	MG/KG	5.8		1.12	1.07	1.31 J	2.07 J	1.55 J
Barium	7440-39-3	MG/KG	580		57.6	54.9	59.4	51.8	57.9
Beryllium	7440-41-7	MG/KG	63		1.11 J	1.06 J	1.22	1.50	1.12 J
Cadmium	7440-43-9	MG/KG	3		0.0909 J	0.0780 J	0.0484 J	0.0831 J	<0.0388
Chromium	7440-47-3	MG/KG	360000		4.16	4.07	6.16	10.8	4.12
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		3.84	3.74	3.74	3.46	4.42
Copper	7440-50-8	MG/KG	700		2.88	2.86	15.4 J	18.6 J	7.48 J
Lead	7439-92-1	MG/KG	270		9.55 J	9.02 J	15.9 J	18.0 J	16.6 J
Mercury	7439-97-6	MG/KG	1		<0.0121	<0.0123	0.0319 J	0.0369 J	0.0262 J
Nickel	7440-02-0	MG/KG	130		4.02	3.80	47.2	38.6	14.9
Selenium	7782-49-2	MG/KG	2.1		0.252 J	0.236 J	0.351 J	0.728 J	0.314 J
Silver	7440-22-4	MG/KG	3.4		<0.237	<0.235	<0.219	0.306 J	<0.224
Thallium	7440-28-0	MG/KG	0.28		0.360	0.318	0.328 J	0.442 J	0.445 J
Tin	7440-31-5	MG/KG	10000		2.85 B	2.89 B	3.30 B	4.17 B	3.06 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		13.6	15.2	15.8	24.0	17.6
Zinc	7440-66-6	MG/KG	1200		30.7	29.5	130 J	103 J	50.1 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
				Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
				Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010		<0.0010
Acetone	67-64-1	MG/KG	24		0.023	0.0130 J	0.032		0.0220 J
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050		<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	0.0020 J	<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010		<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010		<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040		<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020		<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010		0.0020 J
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010		<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010		<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020		<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0190	<0.0190	<0.0190	
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0190	<0.0190	<0.0190	
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0190	<0.0190	<0.0190	
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0190	<0.0190	<0.0190	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0190	<0.0190	<0.0190	
Acenaphthene	83-32-9	MG/KG	8.4		0.0090 J	<0.0040	<0.0040	<0.0040	
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0190	<0.0190	<0.0190	
Anthracene	120-12-7	MG/KG	660		0.029	<0.0040	<0.0040	0.0070 J	
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.11	0.0110 J	0.0070 J	0.03	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.15	0.025	0.02	0.044	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.073	0.0170 J	0.0160 J	0.021	
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.048	0.0080 J	0.0060 J	0.0160 J	
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.1	0.019	0.0140 J	0.028	
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.1900	<0.1900	<0.1900	
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0190	<0.0190	<0.0190	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0780	<0.0760	<0.0780	<0.0770	
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0780	<0.0760	<0.0780	<0.0770	
Chrysene	218-01-9	MG/KG	18		0.092	0.0120 J	0.0080 J	0.03	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.023	0.0050 J	0.0050 J	0.0060 J	
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0190	<0.0190	<0.0190	
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	<0.0190	<0.0190	<0.0190	
Fluoranthene	206-44-0	MG/KG	330		0.19	0.019	0.0110 J	0.064	
Fluorene	86-73-7	MG/KG	56		0.0100 J	<0.0040	<0.0040	<0.0040	

Table 10B
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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
				Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
				Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.068	0.0140 J	0.0130 J	0.0180 J	
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	
Phenanthrene	85-01-8	MG/KG	68		0.11	0.0100 J	0.0060 J	0.03	
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0190	<0.0190	<0.0190	
Pyrene	129-00-0	MG/KG	220		0.15	0.0170 J	0.0110 J	0.055	
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.100	<0.0961	0.129 J	0.194 J	
Arsenic	7440-38-2	MG/KG	5.8		1.34 J	1.26 J	1.32 J	1.10	
Barium	7440-39-3	MG/KG	580		58.9	53.5	33.5	66.4	
Beryllium	7440-41-7	MG/KG	63		1.05 J	0.920 J	0.831 J	1.02 J	
Cadmium	7440-43-9	MG/KG	3		<0.0391	<0.0376	0.112 J	0.139 J	
Chromium	7440-47-3	MG/KG	360000		3.12 J	3.11 J	1.82 J	3.46	
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		4.19	4.06	1.09 J	2.06	
Copper	7440-50-8	MG/KG	700		3.44 J	3.56 J	2.59	3.16	
Lead	7439-92-1	MG/KG	270		13.3 J	12.0 J	16.0 J	7.15 J	
Mercury	7439-97-6	MG/KG	1		0.0192 J	0.0186 J	0.0185 J	<0.0116	
Nickel	7440-02-0	MG/KG	130		22.3	80.3	12.7	67.2	
Selenium	7782-49-2	MG/KG	2.1		0.360 J	0.293 J	0.346 J	0.186 J	
Silver	7440-22-4	MG/KG	3.4		<0.225	<0.216	<0.215	<0.216	
Thallium	7440-28-0	MG/KG	0.28		0.373 J	0.364 J	0.231 J	0.214 J	
Tin	7440-31-5	MG/KG	10000		3.06 B	2.57 B	3.30 B	2.88 B	
Vanadium	7440-62-2	MG/KG	6 (22.8)		15.3	13.8	6.36	11.3	
Zinc	7440-66-6	MG/KG	1200		41.4 J	32.5 J	13.2	28.6	

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
				Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
				Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Acetone	67-64-1	MG/KG	24		0.022	0.0170 J	0.023	0.045	0.019
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050	<0.00050	<0.00030
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	0.0010 J	0.0020 J	<0.0010	0.0010 J
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0040	<0.0030
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	0.0040 J	<0.00060
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2-Methylnaphthalene	91-57-6	MG/KG	1.6		0.0090 J	<0.0040	<0.0040	<0.0040	<0.0050
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Acenaphthene	83-32-9	MG/KG	8.4		0.0100 J	0.0040 J	0.0050 J	<0.0040	<0.0050
Acenaphthylene	208-96-8	MG/KG	21		0.02	0.0080 J	<0.0040	<0.0040	<0.0050
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Anthracene	120-12-7	MG/KG	660		0.034	0.0090 J	0.0090 J	<0.0040	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.13	0.061	0.046	<0.0040	<0.0050
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.19	0.1	0.072	<0.0040	<0.0050
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.1	0.056	0.038	<0.0040	<0.0050
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.08	0.036	0.025	<0.0040	<0.0050
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.14	0.073	0.049	<0.0040	<0.0050
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.1800	<0.1900	<0.2300
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Chrysene	218-01-9	MG/KG	18		0.13	0.059	0.043	<0.0040	<0.0050
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.023	0.0130 J	0.0110 J	<0.0040	<0.0050
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Fluoranthene	206-44-0	MG/KG	330		0.27	0.11	0.088	<0.0040	<0.0050
Fluorene	86-73-7	MG/KG	56		0.0170 J	0.0040 J	0.0040 J	<0.0040	<0.0050

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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
				Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
				Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.096	0.049	0.035	<0.0040	<0.0050
Naphthalene	91-20-3	MG/KG	0.21		0.022	<0.0040	<0.0040	<0.0040	<0.0050
Phenanthrene	85-01-8	MG/KG	68		0.13	0.04	0.045	<0.0040	<0.0050
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Pyrene	129-00-0	MG/KG	220		0.21	0.095	0.076	<0.0040	<0.0050
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		0.132 J	<0.0948 R	0.294 J	0.310 J	0.225 J
Arsenic	7440-38-2	MG/KG	5.8		1.08 J	0.824 J	1.56 J	1.64 J	2.05 J
Barium	7440-39-3	MG/KG	580		23.2	41.1	35.0	17.1	41.3
Beryllium	7440-41-7	MG/KG	63		0.617 J	0.726 J	0.611 J	0.662 J	1.15 J
Cadmium	7440-43-9	MG/KG	3		0.0980 J	0.0730 J	0.121 J	0.0798 J	0.0703 J
Chromium	7440-47-3	MG/KG	360000		2.84 J	1.36 J	5.33	3.24 J	4.22
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		0.879 J	0.891 J	2.46	0.974 J	2.71
Copper	7440-50-8	MG/KG	700		3.05	2.19 J	4.58	2.26	3.12
Lead	7439-92-1	MG/KG	270		12.1 J	11.1 J	11.4 J	10.7 J	14.9 J
Mercury	7439-97-6	MG/KG	1		0.0232 J	0.0154 J	0.0129 J	0.0222 J	0.0216 J
Nickel	7440-02-0	MG/KG	130		32.7	32.8	65.2	25.1	13.9
Selenium	7782-49-2	MG/KG	2.1		0.313 J	0.178 J	0.180 J	0.321 J	0.350 J
Silver	7440-22-4	MG/KG	3.4		<0.217	<0.213	<0.208	<0.210	<0.252
Thallium	7440-28-0	MG/KG	0.28		0.155 J	0.137 J	0.213 J	0.164 J	0.274 J
Tin	7440-31-5	MG/KG	10000		3.27 B	3.24 B	2.98 B	3.23 B	3.71 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		7.91	4.00	12.4	8.18	9.43
Zinc	7440-66-6	MG/KG	1200		13.0	9.89	18.7	13.6	13.9

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
				Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
				Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		0.044	0.023	0.029	0.085	0.037
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	0.01	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	0.01	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		0.0020 J	<0.0010	0.086	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	0.0020 J	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		0.0030 J	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0390	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	0.0170 J	<0.0040	<0.0390	0.0080 J
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	0.0050 J	<0.0040	<0.0390	0.0050 J
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Anthracene	120-12-7	MG/KG	660		<0.0040	0.044	0.0040 J	<0.0390	0.0160 J
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.0100 J	0.15	0.0110 J	0.0860 J	0.07
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.0160 J	0.22	0.0190 J	0.1600 J	0.11
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.0090 J	0.11	0.0100 J	0.1200 J	0.063
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.0080 J	0.078	0.0080 J	0.0520 J	0.042
Benzo(A)Pyrene	50-32-8	MG/KG	0.059		0.0100 J	0.14	0.0130 J	0.1300 J	0.079
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.1900	<1.9000	<0.1900
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0190	0.2200 J	0.0380 J
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Chrysene	218-01-9	MG/KG	18		0.0130 J	0.15	0.0120 J	0.0830 J	0.075
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		<0.0040	0.031	<0.0040	<0.0390	0.0150 J
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0190	0.45	0.094
Fluoranthene	206-44-0	MG/KG	330		0.023	0.32	0.022	0.0900 J	0.14
Fluorene	86-73-7	MG/KG	56		<0.0040	0.0170 J	<0.0040	<0.0390	0.0090 J

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
				Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
				Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.0080 J	0.1	0.0100 J	0.1000 J	0.055
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	0.0040 J	<0.0040	<0.0390	<0.0040
Phenanthrene	85-01-8	MG/KG	68		0.0080 J	0.18	0.0130 J	<0.0390	0.066
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Pyrene	129-00-0	MG/KG	220		0.023	0.26	0.0190 J	0.1000 J	0.11
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		0.371 J	<0.0952 UJ	0.100 J	2.39	0.705 J
Arsenic	7440-38-2	MG/KG	5.8		1.71 J	0.756 J	0.946	1.94 J	0.928
Barium	7440-39-3	MG/KG	580		62.5	43.3	42.7	37.4	38.7
Beryllium	7440-41-7	MG/KG	63		1.15	0.876 J	0.877 J	1.21	0.842 J
Cadmium	7440-43-9	MG/KG	3		0.185 J	0.0789 J	0.119 J	<0.0377	<0.0371
Chromium	7440-47-3	MG/KG	360000		5.18	2.01 J	1.95 J	6.42	4.97
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		3.64	1.45	1.04 J	2.65	2.06
Copper	7440-50-8	MG/KG	700		3.41	3.10	2.91	3.83 J	2.67
Lead	7439-92-1	MG/KG	270		15.1 J	9.43 J	12.0 J	18.3 J	12.6
Mercury	7439-97-6	MG/KG	1		0.0254 J	0.0173 J	0.0169 J	0.0362 J	0.0254 J
Nickel	7440-02-0	MG/KG	130		18.9	13.2	16.5	20.5	16.8
Selenium	7782-49-2	MG/KG	2.1		0.327 J	0.242 J	0.220 J	0.362 J	0.197 J
Silver	7440-22-4	MG/KG	3.4		<0.215	<0.214	<0.214	<0.217	0.858 J
Thallium	7440-28-0	MG/KG	0.28		0.255 J	0.145 J	0.167 J	0.277 J	0.204 J
Tin	7440-31-5	MG/KG	10000		3.27 B	3.20 B	3.25 B	3.54 B	3.08 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		18.2	8.73	7.26	17.2	10.3
Zinc	7440-66-6	MG/KG	1200		27.5	18.2	15.2	31.2 J	25.2 J

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU19-SS-3	SWMU2C-SBS-1
				Field Sample ID	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
				Date Sampled	12/03/2014	12/10/2014
				Sample Purpose	FS	FS
<i>Volatile Organic Compounds</i>						
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.00090	<0.0010
Acetone	67-64-1	MG/KG	24		0.032	0.027
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.00090	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		0.02	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020
<i>Semivolatile Organic Compounds</i>						
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		0.0200 J	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	0.22
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		0.0040 J	0.0070 J
Acenaphthylene	208-96-8	MG/KG	21		0.029	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	660		0.024	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		0.19	0.0070 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		0.25	0.0090 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		0.13	0.0070 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		0.1	0.0070 J
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		0.17	0.0070 J
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	43		0.08	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0750	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0750	<0.0780
Chrysene	218-01-9	MG/KG	18		0.18	0.0090 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		0.036	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		0.064	<0.0200
Fluoranthene	206-44-0	MG/KG	330		0.22	0.0070 J
Fluorene	86-73-7	MG/KG	56		0.0080 J	0.0060 J

Table 10B
Constituents of Potential Concern in Discrete 2014 Surface Soil
10B Locations - Soil Migration to Groundwater Pathways
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU19-SS-3	SWMU2C-SBS-1
				Field Sample ID	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
				Date Sampled	12/03/2014	12/10/2014
				Sample Purpose	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		0.12	0.0060 J
Naphthalene	91-20-3	MG/KG	0.21		0.0160 J	0.045
Phenanthrene	85-01-8	MG/KG	68		0.052	0.0170 J
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	220		0.23	0.0110 J
Polychlorinated Biphenyls						
PCB 1248	12672-29-6	MG/KG	0.14			
PCB 1254	11097-69-1	MG/KG	0.14			
PCB 1260	11096-82-5	MG/KG	0.14			
Inorganics						
Antimony	7440-36-0	MG/KG	0.9		1.02 J	<0.0959 UJ
Arsenic	7440-38-2	MG/KG	5.8		1.41	1.34
Barium	7440-39-3	MG/KG	580		39.4	45.9
Beryllium	7440-41-7	MG/KG	63		1.30	1.00 J
Cadmium	7440-43-9	MG/KG	3		<0.0364	0.123 J
Chromium	7440-47-3	MG/KG	360000		5.93	6.40
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		2.99	2.09
Copper	7440-50-8	MG/KG	700		3.53	5.34
Lead	7439-92-1	MG/KG	270		16.3	16.5 J
Mercury	7439-97-6	MG/KG	1		0.0313 J	0.0205 J
Nickel	7440-02-0	MG/KG	130		59.0	3.97
Selenium	7782-49-2	MG/KG	2.1		0.288 J	0.251 J
Silver	7440-22-4	MG/KG	3.4		0.520 J	<0.216
Thallium	7440-28-0	MG/KG	0.28		0.294	0.307
Tin	7440-31-5	MG/KG	10000		3.65 B	3.17 B
Vanadium	7440-62-2	MG/KG	6 (22.8)		14.9	11.6
Zinc	7440-66-6	MG/KG	1200		32.8 J	26.2

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.

Value for mercury is mercuric chloride

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 11
Constituents of Potential Concern for Soil Migration to Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	Detected in Surface Soil Above IHSB PSRGs	Detected in Subsurface Soil (or Waste) Above IHSB PSRGs	Detected in Groundwater (>NC 2L or IMAC)	Detected in Groundwater (> NC 2B)
1,1,2,2-Tetrachloroethane		X	X	X
1,1,2-Trichloroethane		X	X	
1,2-Dichloroethane		X	X	
1-Methylnaphthalene	X	X		
2-Methylnaphthalene	X	X		
Acenaphthene	X	X		
Benzaldehyde		X		
Benzene		X	X	
Benzo(A)Anthracene	X	X		
Benzo(B)Fluoranthene	X	X		
Benzo(K)Fluoranthene	X			
Benzo[A]Pyrene	X	X		
Biphenyl	X	X	X	
Carbazole	X	X		
Chrysene	X	X		
cis-1,2 Dichloroethene		X	X	
Dibenz(A,H)Anthracene	X	X		
Dibenzofuran	X	X		
Diphenyl Ether	X	X	X	X
Ethylbenzene		X		
Ethylene Glycol		X		
Indeno (1,2,3-CD) Pyrene	X	X		
Methylene Chloride		X		
Naphthalene	X	X		
Phenanthrene	X	X		
Phenol		X		
Tetrachloroethene	X	X	X	X
trans-1,2-Dichloroethene		X		
Trichloroethene		X	X	X
Vinyl Chloride		X	X	X
Xylenes		X		
Antimony	X	X		
Arsenic		X		
Cadmium		X		
Cobalt	X	X	X	
Nickel		X		
Silver	X	X		
Thallium	X	X	X	
Vanadium	X	X		

Notes:

1 - COPCs in surface and subsurface soil identified in Tables 7 and 8. Groundwater COPCs detailed in Tables 1 - 3. NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (PSRGs) (March 2015)

Indicates COPC

Table 12A
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
<i>Volatile Organic Compounds</i>									
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	200		0
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	0.2		3
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9		0.6	1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	6		0
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	7		3
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	0.4		3
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	0.6		0
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	6		0
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1		0
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	0.3		1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	50		0
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	70		1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1000		0
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	3000		0
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	600		0
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	5		0
Styrene	100-42-5	UG/L	64	1	0.2	0.2	70		0
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	0.7		4
Toluene	108-88-3	UG/L	64	11	0.1	0.8	600		0
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	100		0
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	3		4
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	2000		0
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	0.03		27
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	500		0
<i>Semivolatile Organic Compounds</i>									
1,2-Diphenylhydrazine	122-66-7	UG/L	20	1	0.7	0.7	No Value	No Value	-
1,4-Dioxane	123-91-1	UG/L	43	18	1	13	3		4
1-Methylnaphthalene	90-12-0	UG/L	20	1	0.1	0.1		1	0
2-Methylnaphthalene	91-57-6	UG/L	40	7	0.011	0.12	30		0
Acenaphthene	83-32-9	UG/L	40	1	0.072	0.072	80		0
Anthracene	120-12-7	UG/L	40	1	0.013	0.013	2000		0

Table 12A
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Benzo(A)Anthracene	56-55-3	UG/L	40	1	0.012	0.012	0.05		0
Benzo(B)Fluoranthene	205-99-2	UG/L	40	1	0.011	0.011	0.05		0
Benzo(G,H,I)Perylene	191-24-2	UG/L	40	1	0.013	0.013	200		0
Benzo[A]Pyrene	50-32-8	UG/L	40	1	0.011	0.011	0.005		1 (LFD)
Dibenz(A,H)Anthracene	53-70-3	UG/L	40	2	0.011	0.015	0.005		2 (LFD)
Dibenzofuran	132-64-9	UG/L	40	2	3	6		28	0
Fluoranthene	206-44-0	UG/L	40	3	0.012	0.026	300		0
Fluorene	86-73-7	UG/L	40	5	0.012	0.041	300		0
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	40	1	0.012	0.012	0.05		0
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	6		0
Phenanthrene	85-01-8	UG/L	40	1	0.033	0.033	200		0
Phenol	108-95-2	UG/L	40	3	0.7	2	30		0
Pyrene	129-00-0	UG/L	40	3	0.012	0.018	200		0
<i>Dowtherm</i>									
Biphenyl	92-52-4	UG/L	54	6	0.6	1100	400		2
Diphenyl Ether	101-84-8	UG/L	54	22	0.8	3100		100	2
Inorganics									
Antimony	7440-36-0	UG/L	63	1	0.4	0.4		1	0
Arsenic	7440-38-2	UG/L	63	8	0.83	3.3	10		0
Barium	7440-39-3	UG/L	63	63	0.33	502	700		0
Beryllium	7440-41-7	UG/L	63	14	0.69	2.1		4	0
Cadmium	7440-43-9	UG/L	63	4	0.23	1.8	2		0
Chromium	7440-47-3	UG/L	63	9	1.4	5.3	10		0
Cobalt	7440-48-4	UG/L	63	14	1.2	26.3		1	14
Copper	7440-50-8	UG/L	63	2	3	3.1	1000		0
Iron	7439-89-6	UG/L	43	34	43.7	55600	300		21
Lead	7439-92-1	UG/L	63	29	0.083	6.3	15		0
Manganese	7439-96-5	UG/L	43	43	1.8	8240	50		25
Nickel	7440-02-0	UG/L	63	1	1.9	1.9	100		0
Selenium	7782-49-2	UG/L	63	1	5.5	5.5	20		0
Silver	7440-22-4	UG/L	63	1	2.2	2.2	20		0
Thallium	7440-28-0	UG/L	63	11	0.16	0.66		0.2	7
Vanadium	7440-62-2	UG/L	63	2	5.9	7.8		0.3	2

Table 12A
Constituents of Potential Concern in Surficial Aquifer Groundwater
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Zinc	7440-66-6	UG/L	63	25	2.1	360	1000		0
<i>Inorganic Nitrogen Compounds</i>									
Nitrate	14797-55-8	UG/L	11	3	770	2800	10000		0
Ammonia	7664-41-7	UG/L	11	2	33200	35000		1500	2

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015.

Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-104B	MW-105	MW-106A	MW-106A	MW-106B	MW-107A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
					Date Sampled	11/18/2014	11/18/2014	04/09/2014	11/10/2014	12/15/2014	04/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	0.2 J	0.2 J	0.3 J	0.2 J
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6					<0.1	0.1 J		<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	0.2 J	0.3 J	<0.1	0.5
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			0.6	<0.1	0.3 J	0.3 J	0.3 J	0.2 J
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1			<0.1	
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	0.8	0.7	<0.1	0.2 J
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	0.1 J	<0.1	<0.1	0.3 J
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			1.6	<0.010	0.32	0.37	0.042 J	1.2
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value				<0.5	<0.5		<0.5
1,4-Dioxane	123-91-1	UG/L	3					4 J	3 J		4 J
1-Methylnaphthalene	90-12-0	UG/L		1				<0.1	<0.1		0.1 J
2-Methylnaphthalene	91-57-6	UG/L	30					<0.011	<0.011		0.12
Acenaphthene	83-32-9	UG/L	80					<0.011	<0.011		<0.010
Anthracene	120-12-7	UG/L	2000					<0.011	<0.011		<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05					<0.011	<0.011		0.012 J
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05					<0.011	<0.011		0.011 J
Benzo(G,H,I)Perylene	191-24-2	UG/L	200					<0.011	<0.011		0.013 J
Benzo(A)Pyrene	50-32-8	UG/L	0.005					<0.011	<0.011		0.011 J
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005					<0.011	<0.011		0.011 J
Dibenzofuran	132-64-9	UG/L		28				<0.5	<0.5		<0.5
Fluoranthene	206-44-0	UG/L	300					<0.011	<0.011		<0.010
Fluorene	86-73-7	UG/L	300					<0.011	<0.011		<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-104B	MW-105	MW-106A	MW-106A	MW-106B	MW-107A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
					Date Sampled	11/18/2014	11/18/2014	04/09/2014	11/10/2014	12/15/2014	04/10/2014
Sample Purpose	FS	FS	FS	FS	FS	FS					
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05					<0.011	<0.011		0.012 J
Naphthalene	91-20-3	UG/L	6					<0.032	<0.032		2.9
Phenanthrene	85-01-8	UG/L	200					<0.032	<0.032		<0.030
Phenol	108-95-2	UG/L	30					<0.5	0.7 J		<0.5
Pyrene	129-00-0	UG/L	200					<0.011	<0.011		<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.6	<0.6	<0.5	<0.5	<0.6	2
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.6	29	32	<0.6	32
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.34	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.78	<0.82	<0.82	<0.78
Barium	7440-39-3	UG/L	700			1.7 J	8.3 J	76.9	76.6	1.4 J	80.6
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	0.85 J	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.23	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.6	1.6 J	<1.3	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	1.8 J	<1.0	<1.0	<1.3
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.7	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300			191. J	115. J			<33.4	
Lead	7439-92-1	UG/L	15			<0.082	<0.082	0.20 J	<0.082	<0.082	<0.085
Manganese	7439-96-5	UG/L	50			88.9	53			29.5	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.5	<1.6	<1.6	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<8.4	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<2.1	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<2.0	<1.9	<1.9	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	4.4 J	<2.0	3.0 J	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-107A	MW-107B	MW-107B	MW-108	MW-111B	MW-112A
			NC 2L	NC IMAC	Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A
					Date Sampled	11/11/2014	04/10/2014	11/11/2014	12/16/2014	12/19/2014	02/10/2015
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	0.9	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			0.2 J	0.2 J	0.2 J	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	0.2 J	0.2 J	0.9	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1	<0.1			
Benzene	71-43-2	UG/L	1			0.5	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			0.2 J	<0.1	<0.1	1	2.3	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000						<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	1	4.3	<0.1
Toluene	108-88-3	UG/L	600			0.2 J	0.1 J	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	0.8	22	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	0.1 J	0.2 J	6.0	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			1.0	<0.010	<0.010	0.15	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			0.5	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.6	<0.5	<0.5			
1,4-Dioxane	123-91-1	UG/L	3			3 J	<1	<1			
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1	<0.1			
2-Methylnaphthalene	91-57-6	UG/L	30			0.071	<0.010	<0.011			
Acenaphthene	83-32-9	UG/L	80			0.072	<0.010	<0.011			
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.011			
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.011			
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.011			
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.011			
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.011			
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.011			
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.5			
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.010	<0.011			
Fluorene	86-73-7	UG/L	300			0.012 J	<0.010	<0.011			

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-107A	MW-107B	MW-107B	MW-108	MW-111B	MW-112A
			NC 2L	NC IMAC	Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A
					Date Sampled	11/11/2014	04/10/2014	11/11/2014	12/16/2014	12/19/2014	02/10/2015
Sample Purpose	FS	FS	FS	FS	FS	FS					
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.011			
Naphthalene	91-20-3	UG/L	6			2.1	<0.031	<0.032			
Phenanthrene	85-01-8	UG/L	200			<0.033	<0.031	<0.032			
Phenol	108-95-2	UG/L	30			2	<0.5	<0.5			
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.011			
Dowtherm											
Biphenyl	92-52-4	UG/L	400			2	<0.5	<0.5			
Diphenyl Ether	101-84-8	UG/L		100		52	<0.5	<0.5			
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82	<0.82	<0.82	1.3 J
Barium	7440-39-3	UG/L	700			74.3	1.1 B	0.88 B	13	12.5	83.9
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17	0.34 J	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			1.5 J	<1.6	<1.3	<1.3	<1.3	5.3 J
Cobalt	7440-48-4	UG/L		1		<1.0	<1.3	<1.0	<1.0	<1.0	1.2 J
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300						<33.4	918	4150
Lead	7439-92-1	UG/L	15			<0.082	<0.085	<0.082	0.30 J	0.55 J	3.2
Manganese	7439-96-5	UG/L	50						4720	27.5	159
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	0.18 J	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9	<1.9	<1.9	5.9 J
Zinc	7440-66-6	UG/L	1000			2.2 J	<2.0	<2.0	<2.0	4.8 J	15.7 J
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000						770		
Ammonia	7664-41-7	UG/L		1500					<200		

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A
					Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	0.6	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	0.9	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6							<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	1.8	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	1.7	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	1.7	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	0.5	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	20	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3							<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30							<0.010
Acenaphthene	83-32-9	UG/L	80							<0.010
Anthracene	120-12-7	UG/L	2000							<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05							<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05							<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200							<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005							<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005							<0.010
Dibenzofuran	132-64-9	UG/L		28						<0.5
Fluoranthene	206-44-0	UG/L	300							<0.010
Fluorene	86-73-7	UG/L	300							<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A
					Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014
					Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05							<0.010
Naphthalene	91-20-3	UG/L	6							<0.030
Phenanthrene	85-01-8	UG/L	200							<0.030
Phenol	108-95-2	UG/L	30							<0.5
Pyrene	129-00-0	UG/L	200							<0.010
Dowtherm										
Biphenyl	92-52-4	UG/L	400				<0.5	<0.5		<0.5
Diphenyl Ether	101-84-8	UG/L		100			3	<0.5		<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			5.8 J	5.2 B	0.39 B	0.81 J	21.4
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300			52.6 J	12500	<33.4	<33.4	<33.4
Lead	7439-92-1	UG/L	15			0.56 J	<0.082	<0.082	<0.082	<0.082
Manganese	7439-96-5	UG/L	50			5.4 J	1460	1.8 J	17.3	20.4
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							<250
Ammonia	7664-41-7	UG/L		1500						<200

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A
					Date Sampled	12/16/2014	12/16/2014	12/15/2014	12/15/2014	11/19/2014
					Sample Purpose	FS	DUP	FS	FS	fs
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	0.2 J
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.6	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	0.020 J
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	3 J	<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.010	0.011 J	0.011 J	<0.011
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.010	<0.010	<0.010	<0.011
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.010	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.010	<0.010	<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			0.014 J	<0.010	<0.010	<0.010	<0.011
Fluorene	86-73-7	UG/L	300			<0.011	<0.010	<0.010	<0.010	<0.011

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A
					Date Sampled	12/16/2014	12/16/2014	12/15/2014	12/15/2014	11/19/2014
					Sample Purpose	FS	DUP	FS	FS	fs
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.033	<0.030	0.054 J	0.056 J	<0.032
Phenanthrene	85-01-8	UG/L	200			<0.033	<0.030	<0.031	<0.031	<0.032
Phenol	108-95-2	UG/L	30			<0.6	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.010	<0.010	<0.011
Dowtherm										
Biphenyl	92-52-4	UG/L	400			<0.6	<0.5	<0.5	<0.5	
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.5	2	<0.5	
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			18.1	17.3	37.5	14.3	17.3
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	3.3 J	1.4 J	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	3.1 J	<2.8	<2.8
Iron	7439-89-6	UG/L	300			<33.4	<33.4	11400	195. J	3430
Lead	7439-92-1	UG/L	15			<0.082	<0.082	0.27 J	0.23 J	<0.082
Manganese	7439-96-5	UG/L	50			30.9	29	594	14.1	96.9
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			2.1 J	<2.0	<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000			<250	<250			<250
Ammonia	7664-41-7	UG/L		1500		<200	<200			<200

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-210B	MW-211A	MW-211B	MW-211C	MW-212A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C	SSP14-GW-MW-212A
					Date Sampled	11/19/2014	11/18/2014	11/18/2014	11/19/2014	11/21/2014
					Sample Purpose	fs	FS	FS	fs	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	0.1 J	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			0.3 J	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			0.9	0.8	1.4	4.3	7.9
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	0.3 J
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	0.1 J	0.2 J
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5				<0.6
Benzene	71-43-2	UG/L	1			0.2 J	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			0.6	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			0.2 J	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			0.9	0.2 J	<0.1	<0.1	0.3 J
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	0.3 J	0.6
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	4.7	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	0.2 J
Styrene	100-42-5	UG/L	70			<0.1	0.2 J	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	0.3 J	0.2 J	0.1 J
Toluene	108-88-3	UG/L	600			<0.1	0.8	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			1.6	0.1 J	<0.1	0.2 J	0.3 J
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	1.6	9.0	26	37
Vinyl Chloride	75-01-4	UG/L	0.03			1.6	0.33	0.041 J	<0.010	0.080
Xylenes	1330-20-7	UG/L	500			<0.1	6.8	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3			2 J				2 J
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30			<0.010				<0.011
Acenaphthene	83-32-9	UG/L	80			<0.010				<0.011
Anthracene	120-12-7	UG/L	2000			<0.010				<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010				<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010				<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010				<0.011
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.010				<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010				<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.5				<0.6
Fluoranthene	206-44-0	UG/L	300			0.026 J				<0.011
Fluorene	86-73-7	UG/L	300			<0.010				0.013 J

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-210B	MW-211A	MW-211B	MW-211C	MW-212A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C	SSP14-GW-MW-212A
					Date Sampled	11/19/2014	11/18/2014	11/18/2014	11/19/2014	11/21/2014
					Sample Purpose	fs	FS	FS	fs	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010				<0.011
Naphthalene	91-20-3	UG/L	6			<0.030				0.084
Phenanthrene	85-01-8	UG/L	200			<0.030				<0.033
Phenol	108-95-2	UG/L	30			<0.5				<0.6
Pyrene	129-00-0	UG/L	200			0.017 J				0.018 J
Dowtherm										
Biphenyl	92-52-4	UG/L	400			0.6 J				<0.6
Diphenyl Ether	101-84-8	UG/L		100		43				0.9 J
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	0.40 J
Arsenic	7440-38-2	UG/L	10			<0.82	0.99 J	2.7 J	<0.82	2.3 J
Barium	7440-39-3	UG/L	700			1.2 J	26	91.3	66.6	7.1 J
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	1.6 J	2.1 J	0.75 J
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	0.32 J	0.23 J	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	1.4 J	1.7 J	<1.3	2.4 J
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	2.2 J
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300			74.9 J	2840	<33.4	167. J	36800
Lead	7439-92-1	UG/L	15			<0.082	0.78 J	0.15 J	0.54 J	0.15 J
Manganese	7439-96-5	UG/L	50			79.2	1400	8240	394	7370
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	2.2 J
Thallium	7440-28-0	UG/L		0.2		<0.15	0.19 J	0.18 J	0.29 J	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0	3.5 J	10.0 J
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000			<250	<250	1200.00	2800.00	
Ammonia	7664-41-7	UG/L		1500		<200	<200	<200	<200	

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-212B	MW-212B	MW-213	MW-213	MW-213	MW-214
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213	SSP14-GW-MW-214
					Date Sampled	11/21/2014	11/21/2014	04/09/2014	04/09/2014	11/12/2014	12/15/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	0.1 J	0.1 J	<0.1	0.2 J
1,1-Dichloroethene	75-35-4	UG/L	7			23	20	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			0.8	0.8	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			0.6	0.6	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5		<0.1	<0.1	<0.1	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	0.2 J	0.2 J	<0.1	0.3 J
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J
Chloroform	67-66-3	UG/L	70			0.3 J	0.3 J	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			1.2	1.2	<0.1	<0.1	<0.1	0.4 J
Dichlorodifluoromethane	75-71-8	UG/L	1000			0.8	0.9				<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	0.1 J	0.1 J	<0.1	0.5
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			0.6	0.6	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			0.3 J	0.3 J	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	0.1 J	0.1 J	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			1.1	1.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			96	95	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			0.19	0.19	0.29	0.29	0.16	0.52
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value				<0.5	<0.6	<0.6	
1,4-Dioxane	123-91-1	UG/L	3			5		<1	2 J	3 J	13
1-Methylnaphthalene	90-12-0	UG/L		1				<0.1	<0.1	<0.1	
2-Methylnaphthalene	91-57-6	UG/L	30			0.046 J		<0.011	<0.011	<0.012	<0.010
Acenaphthene	83-32-9	UG/L	80			<0.010		<0.011	<0.011	<0.012	<0.010
Anthracene	120-12-7	UG/L	2000			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.010		<0.011	<0.011	<0.012	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010		<0.011	<0.011	<0.012	<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5		<0.5	<0.6	<0.6	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.010		<0.011	<0.011	<0.012	<0.010
Fluorene	86-73-7	UG/L	300			0.041 J		<0.011	<0.011	<0.012	<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-212B	MW-212B	MW-213	MW-213	MW-213	MW-214
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213	SSP14-GW-MW-214
					Date Sampled	11/21/2014	11/21/2014	04/09/2014	04/09/2014	11/12/2014	12/15/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Naphthalene	91-20-3	UG/L	6			0.46		0.057	<0.033	<0.035	0.10
Phenanthrene	85-01-8	UG/L	200			<0.030		<0.033	<0.033	<0.035	<0.030
Phenol	108-95-2	UG/L	30			<0.5		<0.5	<0.6	<0.6	<0.5 R
Pyrene	129-00-0	UG/L	200			0.012 J		<0.011	<0.011	<0.012	<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			2		<0.5	<0.6	<0.6	<0.5
Diphenyl Ether	101-84-8	UG/L		100		7		31	30	61	4
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33		<0.34	<0.34	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82		<0.78	<0.78	<0.82	1.5 J
Barium	7440-39-3	UG/L	700			4.4 J		6.5 J	6.8 J	6.1 J	20.6
Beryllium	7440-41-7	UG/L		4		1.2 J		1.7 J	1.7 J	1.2 J	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17		<0.23	<0.23	<0.17	1.8
Chromium	7440-47-3	UG/L	10			1.6 J		<1.6	<1.6	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0		1.4 J	<1.3	<1.0	12.1
Copper	7440-50-8	UG/L	1000			<2.8		<2.7	<2.7	<2.8	<2.8
Iron	7439-89-6	UG/L	300			722					55600
Lead	7439-92-1	UG/L	15			0.46 J		<0.085	<0.085	<0.082	1.9 J
Manganese	7439-96-5	UG/L	50			801					1450
Nickel	7440-02-0	UG/L	100			<1.6		<1.5	<1.5	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8		<8.4	<8.4	<4.8	5.5 J
Silver	7440-22-4	UG/L	20			<1.8		<2.1	<2.1	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15		<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9		<2.0	<2.0	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			5.3 J		<2.0	<2.0	<2.0	360
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-215	MW-216A	MW-216A	MW-216B	MW-216B	MW-219A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-215	GW1H14-MW-216A	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B	SSP14-GW-MW-219A
					Date Sampled	11/14/2014	04/08/2014	11/10/2014	04/08/2014	11/10/2014	11/13/2014
					Sample Purpose	fs	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	0.7	0.3 J	0.3 J	0.3 J	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.6	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	1			0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1					<0.1
Ethyl Chloride	75-00-3	UG/L	3000			0.4 J	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	0.4 J	0.4 J	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	0.2 J	<0.1	0.2 J	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	4.3	3.7	0.3 J	0.6	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			0.33	<0.010	<0.010	0.020 J	0.012 J	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value			<0.5	<0.6	0.7 J	<0.5	
1,4-Dioxane	123-91-1	UG/L	3			2 J	<1	<1	2 J	1 J	
1-Methylnaphthalene	90-12-0	UG/L		1			<0.1	<0.1	<0.1	<0.1	
2-Methylnaphthalene	91-57-6	UG/L	30			<0.012	<0.010	<0.011	0.035 J	0.052	
Acenaphthene	83-32-9	UG/L	80			<0.012	<0.010	<0.011	<0.011	<0.010	
Anthracene	120-12-7	UG/L	2000			<0.012	0.013 J	<0.011	<0.011	<0.010	
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.012	<0.010	<0.011	<0.011	<0.010	
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.012	<0.010	<0.011	<0.011	<0.010	
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.6	3	6	
Fluoranthene	206-44-0	UG/L	300			<0.012	<0.010	<0.011	0.012 J	<0.010	
Fluorene	86-73-7	UG/L	300			<0.012	<0.010	<0.011	0.018 J	0.029 J	

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-215	MW-216A	MW-216A	MW-216B	MW-216B	MW-219A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-215	GW1H14-MW-216A	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B	SSP14-GW-MW-219A
					Date Sampled	11/14/2014	04/08/2014	11/10/2014	04/08/2014	11/10/2014	11/13/2014
					Sample Purpose	fs	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Naphthalene	91-20-3	UG/L	6			<0.035	0.045 J	<0.033	0.90	1.5	
Phenanthrene	85-01-8	UG/L	200			<0.035	<0.031	<0.033	<0.032	0.033 J	
Phenol	108-95-2	UG/L	30			0.9 J	<0.5	<0.6	<0.5	<0.5	
Pyrene	129-00-0	UG/L	200			<0.012	<0.010	<0.011	<0.011	<0.010	
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.6	<0.5	<0.6	570	1100	<0.5
Diphenyl Ether	101-84-8	UG/L		100		85	<0.5	<0.6	1900	3100	<0.5
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33	<0.34	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82	<0.78	<0.82	<0.82
Barium	7440-39-3	UG/L	700			2.4 J	41.1	35.2	5.2 J	4.6 J	18.6
Beryllium	7440-41-7	UG/L		4		1.9 J	0.77 J	0.82 J	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17	<0.23	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			2.3 J	<1.6	<1.3	<1.6	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		26.3	<1.3	<1.0	<1.3	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8	<2.7	<2.8	<2.8
Iron	7439-89-6	UG/L	300			10600					<33.4
Lead	7439-92-1	UG/L	15			<0.082	0.13 J	0.14 J	<0.085	<0.082	<0.082
Manganese	7439-96-5	UG/L	50			7360					9.8 J
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6	<1.5	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8	<8.4	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8	<2.1	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	0.16 J	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9	<2.0	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			15.3 B	4.6 J	<2.0	3.8 J	<2.0	3.5 B
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-219B	MW-221B	MW-222A	MW-222B	MW-225A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-219B	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A
					Date Sampled	12/13/2014	12/18/2014	12/18/2014	12/18/2014	12/16/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			1.4	<0.1	0.2 J	<0.1	0.2 J
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		0.1 J	<0.1	0.9	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	0.3 J	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	1.3	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	1.3	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6							
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			0.5	0.2 J	110	0.5	3.0
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	0.1 J	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	0.1 J	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	2.4	<0.1	0.4 J
Trichloroethene	79-01-6	UG/L	3			0.4 J	<0.1	1.5	0.1 J	0.8
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			0.031 J	0.11	120	0.12	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	0.6	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3							
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30							
Acenaphthene	83-32-9	UG/L	80							
Anthracene	120-12-7	UG/L	2000							
Benzo(A)Anthracene	56-55-3	UG/L	0.05							
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05							
Benzo(G,H,I)Perylene	191-24-2	UG/L	200							
Benzo(A)Pyrene	50-32-8	UG/L	0.005							
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005							
Dibenzofuran	132-64-9	UG/L		28						
Fluoranthene	206-44-0	UG/L	300							
Fluorene	86-73-7	UG/L	300							

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-219B	MW-221B	MW-222A	MW-222B	MW-225A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-219B	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A
					Date Sampled	12/13/2014	12/18/2014	12/18/2014	12/18/2014	12/16/2014
					Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05							
Naphthalene	91-20-3	UG/L	6							
Phenanthrene	85-01-8	UG/L	200							
Phenol	108-95-2	UG/L	30							
Pyrene	129-00-0	UG/L	200							
Dowtherm										
Biphenyl	92-52-4	UG/L	400			<0.6	<0.6	<0.6	<0.6	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.6	0.8 J	<0.6	<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			0.75 J	1.2 J	20.7	1.2 J	28.2
Beryllium	7440-41-7	UG/L		4		0.69 J	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	4.1 J	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	3.0 J
Iron	7439-89-6	UG/L	300			110. J	1320	14200	398. J	309. J
Lead	7439-92-1	UG/L	15			0.15 J	0.17 J	<0.082	0.13 J	2.5
Manganese	7439-96-5	UG/L	50			4.5 J	132	719	5680	96.4
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	0.22 J	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			7.7 B	<2.0	2.3 J	2.6 J	4.6 J
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							
Ammonia	7664-41-7	UG/L		1500						

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-225B	MW-300	MW-301A	MW-301B	MW-302A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A	SSP14-GW-MW-301B	SSP14-GW-MW-302A
					Date Sampled	12/16/2014	12/17/2014	11/20/2014	11/20/2014	11/20/2014
					Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		0.3 J	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6				<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			5.0	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			0.3 J	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			0.7	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			1.9	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	3.7	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			0.015 J	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3				<1	<1	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30				<0.010	<0.010	<0.011	<0.010
Acenaphthene	83-32-9	UG/L	80				<0.010	<0.010	<0.011	<0.010
Anthracene	120-12-7	UG/L	2000				<0.010	<0.010	<0.011	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200				<0.010	<0.010	<0.011	<0.010
Benzo(A)Pyrene	50-32-8	UG/L	0.005				<0.010	<0.010	<0.011	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005				<0.010	<0.010	<0.011	<0.010
Dibenzofuran	132-64-9	UG/L		28			<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300				<0.010	<0.010	<0.011	<0.010
Fluorene	86-73-7	UG/L	300				<0.010	<0.010	<0.011	<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-225B	MW-300	MW-301A	MW-301B	MW-302A
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A	SSP14-GW-MW-301B	SSP14-GW-MW-302A
					Date Sampled	12/16/2014	12/17/2014	11/20/2014	11/20/2014	11/20/2014
					Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Naphthalene	91-20-3	UG/L	6				<0.030	<0.031	<0.032	<0.031
Phenanthrene	85-01-8	UG/L	200				<0.030	<0.031	<0.032	<0.031
Phenol	108-95-2	UG/L	30				<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200				<0.010	<0.010	<0.011	<0.010
Dowtherm										
Biphenyl	92-52-4	UG/L	400				<0.5	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100			<0.5	<0.5	<0.5	<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1			<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10				<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700				3.3 B	49.2	12.7	2.2 J
Beryllium	7440-41-7	UG/L		4			<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2				<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10				<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1			<1.0	<1.0	20.3	<1.0
Copper	7440-50-8	UG/L	1000				<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300				963	2560	2150	90.7 J
Lead	7439-92-1	UG/L	15				<0.082	0.46 J	0.18 J	<0.082
Manganese	7439-96-5	UG/L	50				3010	132	33.6	25.5
Nickel	7440-02-0	UG/L	100				<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20				<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20				<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2			<0.15	0.30 J	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3			<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000				<2.0	4.0 J	<2.0	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							
Ammonia	7664-41-7	UG/L		1500						

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-302B	MW-303	MW-304A	MW-304B	MW-305	R87-S10
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
					Date Sampled	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/17/2014	04/09/2014
					Sample Purpose	FS	fs	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5	<0.6	<0.5	<0.5	<0.5	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	5.8	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	87	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	22	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value							<0.5
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	<1	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1							<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	UG/L	2000			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	0.015 B	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Fluorene	86-73-7	UG/L	300			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	MW-302B	MW-303	MW-304A	MW-304B	MW-305	R87-S10
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
					Date Sampled	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/17/2014	04/09/2014
					Sample Purpose	FS	fs	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Naphthalene	91-20-3	UG/L	6			<0.032	<0.034	<0.030	<0.030	<0.030	<0.030
Phenanthrene	85-01-8	UG/L	200			<0.032	<0.034	<0.030	<0.030	<0.030	<0.030
Phenol	108-95-2	UG/L	30			<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	3.3 J	<0.78
Barium	7440-39-3	UG/L	700			0.57 J	3.4 J	14.6	0.33 B	34.4	12.9
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	0.93 J	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	4.4 J	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.3
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300			170. J	74.8 J	110. J	43.7 J	8820	
Lead	7439-92-1	UG/L	15			0.083 J	<0.082	5.4	<0.082	6.3	<0.085
Manganese	7439-96-5	UG/L	50			5.4 J	7.4 J	41.8	27.1	215	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	1.9 J	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	0.21 J	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	7.8 J	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	4.9 B	2.8 J	<2.0	12.9 J	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	R87-S10	R87-S10	R87-S4	R87-S5	R87-S5	R87-S8
			NC 2L	NC IMAC	Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D	GW1H14-R87-S8
					Date Sampled	11/11/2014	11/11/2014	11/13/2014	12/19/2014	11/12/2014	04/09/2014
					Sample Purpose	FS	DUP	FS	FS	DUP	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	0.1 J	0.1 J	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	2.3	1.9	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1				<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	0.1 J	0.2 J	0.2 J	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	2.5	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000					<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	6.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	0.043 J	0.13	0.15	0.066
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.5	<0.6				<0.5
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	3 J	2 J	2 J	<1
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1				<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.010	<0.011				<0.010
Acenaphthene	83-32-9	UG/L	80			<0.010	<0.011				<0.010
Anthracene	120-12-7	UG/L	2000			<0.010	<0.011				<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010	<0.011				<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010	<0.011				<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010	<0.011				<0.010
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.010	<0.011				<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010	<0.011				<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.6				<0.5
Fluoranthene	206-44-0	UG/L	300			<0.010	<0.011				<0.010
Fluorene	86-73-7	UG/L	300			<0.010	<0.011				<0.010

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	R87-S10	R87-S10	R87-S4	R87-S5	R87-S5	R87-S8
			NC 2L	NC IMAC	Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D	GW1H14-R87-S8
					Date Sampled	11/11/2014	11/11/2014	11/13/2014	12/19/2014	11/12/2014	04/09/2014
					Sample Purpose	FS	DUP	FS	FS	DUP	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010	<0.011				<0.010
Naphthalene	91-20-3	UG/L	6			<0.030	<0.034				0.068
Phenanthrene	85-01-8	UG/L	200			<0.030	<0.034				<0.031
Phenol	108-95-2	UG/L	30			<0.5	<0.6				<0.5
Pyrene	129-00-0	UG/L	200			<0.010	<0.011				<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.5	<0.6	<0.6	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.6	1	16 J	9 J	2
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	1.0 J	0.83 J	<0.82	<0.78
Barium	7440-39-3	UG/L	700			17.9	17.3	94.9	500	502	36.5
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	0.85 J	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	2.5 J	6.3 J	6.3 J	1.5 J
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300					13600	31900	31500	
Lead	7439-92-1	UG/L	15			<0.082	<0.082	0.20 J	0.098 J	0.10 J	<0.085
Manganese	7439-96-5	UG/L	50					6600	681	705	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	0.27 J	0.66 J	0.54 J	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	3.9 B	2.4 B	<2.0	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000						<250	<250	
Ammonia	7664-41-7	UG/L		1500					33200	35000	

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	R87-S8	R87-S9	R87-S9
			NC 2L	NC IMAC	Field Sample ID	GW2H14-R87-S8	GW1H14-R87-S9	GW2H14-R87-S9
					Date Sampled	11/12/2014	04/10/2014	11/12/2014
					Sample Purpose	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000					
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	0.1 J	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			0.16	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>								
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.5	<0.5	<0.5
1,4-Dioxane	123-91-1	UG/L	3			2 J	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1	<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.010	<0.011
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.010	<0.011
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.011
Benzo(A)Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.010	<0.011
Fluorene	86-73-7	UG/L	300			<0.011	<0.010	<0.011

Table 12B
Constituents of Potential Concern in Surficial Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	R87-S8	R87-S9	R87-S9
			NC 2L	NC IMAC	Field Sample ID	GW2H14-R87-S8	GW1H14-R87-S9	GW2H14-R87-S9
					Date Sampled	11/12/2014	04/10/2014	11/12/2014
					Sample Purpose	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.032	<0.031	<0.033
Phenanthrene	85-01-8	UG/L	200			<0.032	<0.031	<0.033
Phenol	108-95-2	UG/L	30			<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.011
Dowtherm								
Biphenyl	92-52-4	UG/L	400			<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		5	<0.5	<0.5
Inorganics								
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82
Barium	7440-39-3	UG/L	700			59.7	36.7	45.2
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.6	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.3	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8
Iron	7439-89-6	UG/L	300					
Lead	7439-92-1	UG/L	15			<0.082	0.17 J	0.62 J
Manganese	7439-96-5	UG/L	50					
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds								
Nitrate	14797-55-8	UG/L	10000					
Ammonia	7664-41-7	UG/L		1500				

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		1		<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L	200			<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L	0.2			<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		0.6		<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	6			<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	7			<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L	0.005			<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L	0.04			<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L	0.02			<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L	0.4			<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L	0.6			<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		40		<1.0	<1.0
Acetone	67-64-1	N	UG/L	6000			<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L				<7.0	<7.0
Acrolein	107-02-8	N	UG/L		4		<40	<40
Acrylonitrile	107-13-1	N	UG/L				<4	<4
Allyl Chloride	107-05-1	N	UG/L				<0.1	<0.1
Benzene	71-43-2	N	UG/L	1			<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L				<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L	0.6			<0.1	<0.1
Bromoform	75-25-2	N	UG/L	4			<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L	700			<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L	0.3			<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L	50			<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L	0.4			<0.1	<0.1
Chloroform	67-66-3	N	UG/L	70			<0.1	<0.1
Chloroprene	126-99-8	N	UG/L				<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L	70			<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L				<0.1	<0.1

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
Dichlorodifluoromethane	75-71-8	N	UG/L	1000			<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L	3000			<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L				<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L	600			<0.1	<0.1
Iodomethane	74-88-4	N	UG/L				<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L				<10	<10
Methacrylonitrile	126-98-7	N	UG/L				<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		10		<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L	3			<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L	4000			<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		100		<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		25		<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		70		<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L	5			<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L				<0.2	<0.2
Propionitrile	107-12-0	N	UG/L				<2.0	<2.0
Styrene	100-42-5	N	UG/L	70			<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L	0.7			<0.1	<0.1
Toluene	108-88-3	N	UG/L	600			<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L	100			<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L				<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L				<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L	3			<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L	2000			<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		88		<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L	0.03			<0.010	<0.010
Xylenes	1330-20-7	N	UG/L	500			<0.1	<0.1
<i>Inorganics</i>								
Antimony	7440-36-0	N	ug/L		1		<0.330	<0.330
Arsenic	7440-38-2	N	ug/L	10			<0.820	1.10 J

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
Barium	7440-39-3	N	ug/L	700			8.80 J	80.4
Beryllium	7440-41-7	N	ug/L		4		<0.670	1.80 J
Cadmium	7440-43-9	N	ug/L	2			<0.170	<0.170
Chromium	7440-47-3	N	ug/L	10			<1.30	12.70 J
Cobalt	7440-48-4	N	ug/L		1		<1.00	1.60 J
Copper	7440-50-8	N	ug/L	1000			<2.80	<2.80
Iron	7439-89-6	N	ug/L	300			63.90 J	6030
Lead	7439-92-1	N	ug/L	15			<0.0820	3.9
Manganese	7439-96-5	N	ug/L	50			4.80 J	506
Mercury	7439-97-6	N	ug/L	1			<0.0600	<0.0600
Nickel	7440-02-0	N	ug/L	100			<1.60	<1.60
Selenium	7782-49-2	N	ug/L	20			<4.80	<4.80
Silver	7440-22-4	N	ug/L	20			<1.80	<1.80
Thallium	7440-28-0	N	ug/L		0.2		<0.150	0.210 J
Tin	7440-31-5	N	ug/L		2000		<2.40	<2.40
Vanadium	7440-62-2	N	ug/L		0.3		<1.90	8.20 J
Zinc	7440-66-6	N	ug/L	1000			<2.00	13.60 J

Notes:

Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 13A
Constituents of Potential Concern in Bedrock Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
<i>Volatile Organic Compounds</i>									
1,1-Dichloroethene	75-35-4	UG/L	7	1	5.1	5.1	7		0
1,2-Dichloroethane	107-06-2	UG/L	7	1	0.3	0.3	0.4		0
1,2-Dichloropropane	78-87-5	UG/L	7	1	0.2	0.2	0.6		0
Benzene	71-43-2	UG/L	7	1	0.2	0.2	1		0
Chloroform	67-66-3	UG/L	7	3	0.2	4.9	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	7	5	0.1	2.6	70		0
Dichlorodifluoromethane	75-71-8	UG/L	7	1	0.3	0.3	1000		0
Methylene Chloride	75-09-2	UG/L	7	1	0.4	0.4	5		0
Tetrachloroethene	127-18-4	UG/L	7	5	0.1	3.2	0.7		2
trans-1,2-Dichloroethene	156-60-5	UG/L	7	1	0.2	0.2	100		0
Trichloroethene	79-01-6	UG/L	7	5	1	29	3		2
Trichlorofluoromethane	75-69-4	UG/L	7	1	13	13	2000		0
Vinyl Chloride	75-01-4	UG/L	7	1	0.27	0.27	0.03		1
Xylenes	1330-20-7	UG/L	7	0	0	0	500		0
<i>Semivolatile Organic Compounds</i>									
1,4-Dioxane	123-91-1	UG/L	7	1	7	7	3		1
2-Methylnaphthalene	91-57-6	UG/L	7	1	0.02	0.02	30		0
Benzo(G,H,I)Perylene	191-24-2	UG/L	7	1	0.021	0.021	200		0
Dibenz(A,H)Anthracene	53-70-3	UG/L	7	1	0.014	0.014	0.005		1
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	7	1	0.014	0.014	0.05		0
Naphthalene	91-20-3	UG/L	7	1	0.34	0.34	6		0
Pyrene	129-00-0	UG/L	7	1	0.011	0.011	200		0
<i>Dowtherm</i>									
Biphenyl	92-52-4	UG/L	7	1	67	67	400		0
Diphenyl Ether	101-84-8	UG/L	7	1	200	200		100	1

Table 13A
Constituents of Potential Concern in Bedrock Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
<i>Inorganics</i>									
Barium	7440-39-3	UG/L	7	7	0.43	29.3	700		0
Chromium	7440-47-3	UG/L	7	5	1.4	14.5	10		2
Copper	7440-50-8	UG/L	7	1	4	4	1000		0
Iron	7439-89-6	UG/L	7	7	8880	42700	300		7
Lead	7439-92-1	UG/L	7	4	0.083	2.4	15		0
Manganese	7439-96-5	UG/L	7	7	56.7	2150	50		7
Selenium	7782-49-2	UG/L	7	1	6.8	6.8	20		0
Vanadium	7440-62-2	UG/L	7	3	2.3	5.7		0.3	3
Zinc	7440-66-6	UG/L	7	5	2.1	23.2	1000		0

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in bedrock monitoring wells during the 2014 Site Investigation. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 13B
Constituents of Potential Concern in Bedrock Aquifer Groundwater
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	BR-1	BR-11	BR-11	BR-2	BR-3	BR-5	BR-9
			NC 2L	NC IMAC	Field Sample ID	SSP14-GW-BR-1	SSP14-GW-BR-11	SSP14-GW-BR-11-D	SSP14-GW-BR-2	SSP14-GW-BR-3	SSP14-GW-BR-5	SSP14-GW-BR-9
					Date Sampled	11/20/2014	12/19/2014	12/19/2014	11/20/2014	12/19/2014	12/18/2014	12/19/2014
					Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds												
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	5.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	0.2 J	1	4.9
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	0.1 J	0.1 J	<0.1	2.6	0.4 J	0.8
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	0.2 J	0.2 J	<0.1	0.1 J	0.7	3.2
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J
Trichloroethene	79-01-6	UG/L	3			<0.1	1.2	1.1	<0.1	1	13	29
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	13	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	0.27	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds												
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	<1	7	<1	<1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.011	<0.010	<0.011	0.020 J	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			0.021 J	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			0.014 J	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			0.014 J	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.032	<0.033	<0.031	<0.032	0.34	<0.031	<0.032
Pyrene	129-00-0	UG/L	200			<0.011	<0.011	<0.010	0.011 J	<0.011	<0.010	<0.011
Dowtherm												
Biphenyl	92-52-4	UG/L	400			<0.5	<0.5	<0.5	<0.5	67	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.5	<0.5	<0.5	200	<0.5	<0.5
Inorganics												
Barium	7440-39-3	UG/L	700			0.43 J	7.1 J	6.9 J	2.2 J	21.7	3.3 B	29.3
Chromium	7440-47-3	UG/L	10			4.0 J	14.5 J	13.8 J	1.4 J	<1.3	<1.3	2.4 J
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	4.0 J
Iron	7439-89-6	UG/L	300			17900	36600	33600	27000	42700	19800	8880
Lead	7439-92-1	UG/L	15			<0.082	0.083 J	<0.082	<0.082	0.42 J	0.13 J	2.4
Manganese	7439-96-5	UG/L	50			102	1180	1210	690	2150	83.7	56.7
Selenium	7782-49-2	UG/L	20			<4.8	6.8 J	<4.8	<4.8	<4.8	<4.8	<4.8
Vanadium	7440-62-2	UG/L		0.3		<1.9	2.3 J	2.4 J	<1.9	<1.9	<1.9	5.7 J
Zinc	7440-66-6	UG/L	1000			3.3 J	<2.0	<2.0	2.2 J	2.1 J	2.6 J	23.2 J

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in bedrock monitoring wells during the 2014 Site Investigation. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 14A
Constituents of Potential Concern in Water Supply Wells
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
<i>Volatile Organic Compounds</i>									
1,1-Dichloroethene	75-35-4	UG/L	6	1	0.1	0.1	7		0
Acetone	67-64-1	UG/L	6	1	3.4	3.4	6000		0
Chloroform	67-66-3	UG/L	6	1	0.8	0.8	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	6	1	16	16	70		0
Tetrachloroethene	127-18-4	UG/L	6	1	0.4	0.4	0.7		0
trans-1,2-Dichloroethene	156-60-5	UG/L	6	1	0.2	0.2	100		0
Trichloroethene	79-01-6	UG/L	6	1	13	13	3		1
Vinyl Chloride	75-01-4	UG/L	6	1	0.015	0.015	0.03		0
<i>Inorganics</i>									
Barium	7440-39-3	UG/L	6	5	0.36	4.9	700		0
Chromium	7440-47-3	UG/L	6	2	1.5	3	10		0
Copper	7440-50-8	UG/L	6	2	3.4	290	1000		0
Iron	7439-89-6	UG/L	6	3	6770	86500	300		3
Lead	7439-92-1	UG/L	6	5	0.19	1.3	15		0
Manganese	7439-96-5	UG/L	6	4	1	438	50		2
Selenium	7782-49-2	UG/L	6	1	17.1	17.1	20		0
Tin	7440-31-5	UG/L	6	1	6.7	6.7		2000	0
Vanadium	7440-62-2	UG/L	6	1	2.1	2.1		0.3	1
Zinc	7440-66-6	UG/L	6	5	2.3	841	1000		0

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in water supply wells during 2014 Site Investigation sampling. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 14B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		WSW-CMPGND	WSW-DSF3	WSW-GUARD	WSW-VISIT	WSW-WWT	WSW-YMCA
			NC 2L	NC IMAC	SSP14-GW-WSW-CMPGND	SSP14-GW-WSW-DSF3	SSP14-GW-WSW-GUARD	SSP14-GW-WSW-VISIT	SSP14-GW-WSW-WWT	SSP14-GW-WSW-YMCA
					12/19/2014	12/16/2014	12/19/2014	12/16/2014	12/18/2014	12/19/2014
					FS	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1-Dichloroethene	75-35-4	UG/L	7		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1
Acetone	67-64-1	UG/L	6000		<3.0	<3.0	<3.0	<3.0	3.4 J	<3.0
Chloroform	67-66-3	UG/L	70		<0.1	0.8	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70		<0.1	16	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7		<0.1	0.4 J	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3		<0.1	13	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03		<0.010	0.015 J	<0.010	<0.010	<0.010	<0.010
Inorganics										
Barium	7440-39-3	UG/L	700		4.9 B	<0.33	0.54 B	0.36 B	2.9 B	1.1 B
Chromium	7440-47-3	UG/L	10		1.5 J	<1.3	<1.3	<1.3	3.0 J	<1.3
Copper	7440-50-8	UG/L	1000		3.4 J	<2.8	<2.8	290	<2.8	<2.8
Iron	7439-89-6	UG/L	300		24400	<33.4	6770	<33.4	86500	<33.4
Lead	7439-92-1	UG/L	15		1.1 J	1.3 J	0.34 J	0.59 J	0.19 J	<0.082
Manganese	7439-96-5	UG/L	50		21.3	<0.83	75.7	<0.83	438	1.0 J
Selenium	7782-49-2	UG/L	20		<4.8	<4.8	<4.8	<4.8	17.1 J	<4.8
Tin	7440-31-5	UG/L		2000	<2.4	<2.4	<2.4	<2.4	6.7 J	<2.4
Vanadium	7440-62-2	UG/L		0.3	2.1 J	<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000		16.5 J	841	<2.0	14.0 J	15.4 J	2.3 J

Notes:

UG/L - Microgram(s) per liter

1 - Constituents detected in water supply wells during 2014 Site Investigation sampling. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-104B	MW-105	MW-106A
											Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A
											Date Sampled	11/18/2014	11/18/2014	04/09/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	<0.1	<0.1	<0.1	0.2 J
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0				<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	<0.1	<0.1	<0.1	0.2 J
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	0.6	<0.1	<0.1	0.3 J
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	<0.1	<0.1	<0.1	0.8
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	0.2 J	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	<0.1	<0.1	<0.1	0.1 J
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	0.3 J	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	1.6	<0.010	<0.1	0.32
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0				<0.032

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-106A	MW-106B	MW-107A
											Field Sample ID	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
											Date Sampled	11/10/2014	12/15/2014	04/10/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	0.2 J	0.3 J	0.2 J	
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	<0.1	0.1 J	<0.1	
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	0.2 J	<0.1	
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0	0.1 J		<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	0.3 J	<0.1	0.5	
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	<0.1	<0.1	<0.1	
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	0.3 J	0.3 J	0.2 J	
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1		
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	0.7	<0.1	0.2 J	
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	<0.1	<0.1	<0.1	
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	<0.1	<0.1	0.3 J	
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	<0.1	0.2 J	<0.1	
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	0.37	0.042 J	1.2	
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	<0.1	<0.1	0.3 J	
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0	<0.032		2.9	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-107A	MW-107B	MW-107B
											Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B
											Date Sampled	11/11/2014	04/10/2014	11/11/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	0.2 J	0.2 J	0.2 J	
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	<0.1	0.2 J	0.2 J	
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0	<0.1	<0.1	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	0.5	<0.1	<0.1	
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	<0.1	<0.1	<0.1	
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	0.2 J	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	0.2 J	<0.1	<0.1	
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	<0.1	<0.1	<0.1	
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	0.2 J	0.1 J	<0.1	
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	<0.1	0.1 J	0.2 J	
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	1.0	<0.010	<0.010	
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	0.5	<0.1	<0.1	
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0	2.1	<0.031	<0.032	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-108	MW-111B
											Field Sample ID	SSP14-GW-MW-108	SSP14-GW-MW-111B
											Date Sampled	12/16/2014	12/19/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	0.2 J
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	0.9
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		0.9	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		1	2.3
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		1	4.3
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		0.8	22
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		6.0	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.15	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-112A	MW-112B
											Field Sample ID	SSP14-GW-MW-112A	SSP14-GW-MW-112B
											Date Sampled	02/10/2015	12/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-114A	MW-114B
											Field Sample ID	SSP14-GW-MW-114A	SSP14-GW-MW-114B
											Date Sampled	12/16/2014	12/16/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-202B	MW-207A
											Field Sample ID	SSP14-GW-MW-202B	SSP14-GW-MW-207A
											Date Sampled	12/18/2014	12/17/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		0.6	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		0.9	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		1.8	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		1.7	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		1.7	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		0.5	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		20	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			<0.030

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-207B	MW-207B
											Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
											Date Sampled	12/16/2014	12/16/2014
											Sample Purpose	FS	DUP
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.6	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.033	<0.030

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-209A	MW-209B
											Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B
											Date Sampled	12/15/2014	12/15/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		0.054 J	0.056 J

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-210A	MW-210B
											Field Sample ID	SSP14-GW-MW-210A	SSP14-GW-MW-210B
											Date Sampled	11/19/2014	11/19/2014
											Sample Purpose	fs	fs
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	0.3 J
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		0.2 J	0.9
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	0.2 J
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	0.6
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	0.2 J
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	0.9
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	1.6
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.020 J	1.6
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.032	<0.030

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-211A	MW-211B
											Field Sample ID	SSP14-GW-MW-211A	SSP14-GW-MW-211B
											Date Sampled	11/18/2014	11/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		0.8	1.4
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		0.2 J	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		4.7	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		0.2 J	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	0.3 J
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		0.8	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		0.1 J	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		1.6	9.0
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.33	0.041 J
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		6.8	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-211C	MW-212A
											Field Sample ID	SSP14-GW-MW-211C	SSP14-GW-MW-212A
											Date Sampled	11/19/2014	11/21/2014
											Sample Purpose	fs	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		0.1 J	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		4.3	7.9
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	0.3 J
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		0.1 J	0.2 J
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.6
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	0.3 J
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		0.3 J	0.6
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	0.2 J
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		0.2 J	0.1 J
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		0.2 J	0.3 J
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		26	37
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	0.080
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			0.084

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-212B	MW-212B
											Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D
											Date Sampled	11/21/2014	11/21/2014
											Sample Purpose	FS	DUP
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		0.1 J	0.1 J
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		23	20
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		0.8	0.8
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		0.6	0.6
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		0.3 J	0.3 J
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		1.2	1.2
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		0.8	0.9
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		0.6	0.6
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		0.3 J	0.3 J
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		1.1	1.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		96	95
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.19	0.19
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		0.46	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-213	MW-213	MW-213
											Field Sample ID	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213
											Date Sampled	04/09/2014	04/09/2014	11/12/2014
											Sample Purpose	FS	DUP	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		0.1 J	0.1 J	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		0.2 J	0.2 J	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		0.1 J	0.1 J	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		0.1 J	0.1 J	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.29	0.29	0.16
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		0.057	<0.033	<0.035

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-214	MW-215	MW-216A
											Field Sample ID	SSP14-GW-MW-214	SSP14-GW-MW-215	GW1H14-MW-216A
											Date Sampled	12/15/2014	11/14/2014	04/08/2014
											Sample Purpose	FS	fs	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	0.2 J	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	<0.1	<0.1	0.7	
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0	<0.5	<0.6	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	0.3 J	0.2 J	<0.1	
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	0.3 J	<0.1	<0.1	
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	0.4 J	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0	<0.1	<0.1		
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	0.5	0.4 J	<0.1	
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	<0.1	<0.1	0.4 J	
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	<0.1	<0.1	0.2 J	
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	<0.1	<0.1	4.3	
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	0.52	0.33	<0.010	
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	<0.1	<0.1	<0.1	
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0	0.10	<0.035	0.045 J	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-216A	MW-216B	MW-216B
											Field Sample ID	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B
											Date Sampled	11/10/2014	04/08/2014	11/10/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	0.3 J	0.3 J	0.3 J	
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0	<0.1	<0.1	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	<0.1	<0.1	<0.1	
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	<0.1	<0.1	<0.1	
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	<0.1	<0.1	<0.1	
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	0.4 J	<0.1	<0.1	
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	<0.1	0.2 J	<0.1	
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	3.7	0.3 J	0.6	
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	<0.010	0.020 J	0.012 J	
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	<0.1	<0.1	<0.1	
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0	<0.033	0.90	1.5	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-219A	MW-219B
											Field Sample ID	SSP14-GW-MW-219A	SSP14-GW-MW-219B
											Date Sampled	11/13/2014	12/13/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	1.4
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	0.1 J
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	0.5
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	0.4 J
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	0.031 J
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-221B	MW-222A
											Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A
											Date Sampled	12/18/2014	12/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	0.2 J
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	0.9
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	0.3 J
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	1.3
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	1.3
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		0.2 J	110
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	0.1 J
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	0.1 J
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	2.4
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	1.5
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.11	120
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	0.6
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-222B	MW-225A
											Field Sample ID	SSP14-GW-MW-222B	SSP14-GW-MW-225A
											Date Sampled	12/18/2014	12/16/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	0.2 J
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		0.5	3.0
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	0.4 J
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		0.1 J	0.8
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.12	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-225B	MW-300
											Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300
											Date Sampled	12/16/2014	12/17/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		0.3 J	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		5.0	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		0.3 J	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		0.7	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		1.9	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	3.7
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		0.015 J	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			<0.030

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-301A	MW-301B
											Field Sample ID	SSP14-GW-MW-301A	SSP14-GW-MW-301B
											Date Sampled	11/20/2014	11/20/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.031	<0.032

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-302A	MW-302B
											Field Sample ID	SSP14-GW-MW-302A	SSP14-GW-MW-302B
											Date Sampled	11/20/2014	11/20/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.031	<0.032

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-303	MW-304A
											Field Sample ID	SSP14-GW-MW-303	SSP14-GW-MW-304A
											Date Sampled	11/14/2014	12/16/2014
											Sample Purpose	fs	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	0.2 J
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	0.1 J
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.6	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	0.2 J
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	5.8
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	87
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	0.1 J
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	22
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.034	<0.030

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-304B	MW-305	R87-S10
											Field Sample ID	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
											Date Sampled	12/16/2014	12/17/2014	04/09/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0	<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0	<0.1	<0.1	<0.1	
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0	<0.5	<0.5	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0	<0.1	<0.1	<0.1	
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0	<0.1	<0.1	<0.1	
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0	<0.1	<0.1		
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0	<0.1	<0.1	<0.1	
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0	<0.2	<0.2	<0.2	
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1	<0.1	<0.1	<0.1	
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0	<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-	<0.1	<0.1	<0.1	
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0	<0.1	<0.1	<0.1	
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1	<0.010	<0.010	<0.010	
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0	<0.1	<0.1	<0.1	
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0	<0.030	<0.030	<0.030	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Comparison of Surficial Aquifer Groundwater Results for Vapor Intrusion GWSLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	R87-S10	R87-S10	R87-S4
											Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4
											Date Sampled	11/11/2014	11/11/2014	11/13/2014
											Sample Purpose	FS	DUP	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1	0.1 J
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	2.5
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	6.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010	0.043 J
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.030	<0.034	

Notes:

UG/L - Microgram(s) per liter

1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 16
Constituents of Potential Concern in Soil Gas
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	Units	NC DWM SGSL Non-Res Screening Criteria	Location	BACKGROUND	SV-1	SV-2	SV-2	SV-3	SV-4
			Date	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08
			Top (ft)	0	0	0	0	0	0
			Bottom (ft)	0	0	0	0	0	0
			Duplicate	FS	FS	DUP	FS	FS	FS
1,1-DICHLOROETHENE	UG/M3	17500		<0.79	<5.6	<4	<2.1	<4	<4
CIS-1,2 DICHLOROETHENE	UG/M3	No Value		<0.79	<5.6	<4	<2.1	<4	<4
TETRACHLOROETHYLENE	UG/M3	3500		<1.4	<9.5	<6.8	<3.7	<6.8	<6.8
TRANS-1,2-DICHLOROETHENE	UG/M3	No Value		<0.79	<5.6	<4	<2.1	<4	<4
TRICHLOROETHENE	UG/M3	175		<1.1	<7.5	<5.4	<2.9	<5.4	<5.4
VINYL CHLORIDE	UG/M3	2790		<0.51	<3.6	<2.6	<1.4	<2.6	<2.6

UG/M3 - Microgram(s) per cubic meter

NC SGSL - NC DWM Vapor Intrusion Screening Levels Soil Gas Screening Levels (SGSLs) (June 2014)

Table 17
Constituents of Potential Concern in Surface Water
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	Little River						
							Field Sample ID	SW-04	SW-04	SW-04	SW-04	SW-5	SW-5	SW-6
							Date Sampled	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	GW2H14-SW-5	GW2H14-SW-5-Z	GW2H14-SW-6
							Sample Purpose	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/30/2014
							FS	DUP	FS	DUP	FS	FS	FS	
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1	<0.1			<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1	<0.1			<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1	<0.1			<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1	<0.1			<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4	<0.4			<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1	<0.1			<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2	<0.2			<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1	<0.1			<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1	<0.1			<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1	<0.1			<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010	<0.010			<0.010		<0.010
Dowtherm														
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5	<0.5			<0.5		<0.5
Inorganics														
Barium	7440-39-3	N	UG/L		200000	No Value		6.6 J	6.6 J			8.0 J		5.6 J
Barium	7440-39-3	Y	UG/L		200000	No Value				6.0 J	6.0 J		5.5 J	
Calcium	7440-70-2	N	UG/L			No Value		1130	1130			2670 B		1080 B
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0	<1.0			<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value				<1.0	<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		371. J	378. J			653		299. J
Iron	7439-89-6	Y	UG/L	1000		No Value				207. J	131. J		268. J	
Lead	7439-92-1	N	UG/L	25		No Value		<0.082	<0.082			0.19 J		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value				0.094 J	<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		426	422			481		393
Manganese	7439-96-5	N	UG/L			No Value		89	89.9			53.2		26.3
Manganese	7439-96-5	Y	UG/L			No Value				84.5	86.2		33.9	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15	<0.15			<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value				<0.15	<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		3.0 B	3.9 B			2.9 B		4.3 B
Zinc	7440-66-6	Y	UG/L	50		No Value				2.6 B	2.7 B		4.4 B	
Total Hardness As CaCO3	471-34-1	N	UG/L					4600	4600			8600 B		4300 B
Total Suspended Solids	C009	N	UG/L					1600 J	1100 J			37600		<1000

Notes:
 UG/L - Microgram(s) per liter
 B - Not detected substantially above the level reported in the laboratory or fieldblanks.
 J - Analyte present. Reported value may not be accurate or precise.
 UJ - Not detected. Reporting limit may not be accurate or precise.

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Indicates exceedance of a screening level.

Table 17
Constituents of Potential Concern in Surface Water
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	Little River				DERA Creek Tributary		
							Field Sample ID	SW-6	SW-6	SW-07	SW-07	SW-08	SW-08	SW-09
							Date Sampled	GW2H14-SW-6-D	GW2H14-SW-6-Z	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09
							Sample Purpose	10/30/2014	10/30/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014
							DUP	FS	FS	FS	FS	FS	FS	
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1		<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4		<0.4		<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1		<0.1		0.2 J		0.8
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2		<0.2		<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1		<0.1		<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1		<0.1		<0.1		0.4 J
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1		<0.1		<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010		<0.010		0.12		0.10
Dowtherm														
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5		<0.5		<0.5		<0.5
Inorganics														
Barium	7440-39-3	N	UG/L		200000	No Value		6.0 J		5.0 J		2.5 J		4.2 J
Barium	7440-39-3	Y	UG/L		200000	No Value			5.3 J		4.4 J		2.5 J	
Calcium	7440-70-2	N	UG/L			No Value		2060 B		1030		1230		1920
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0		<1.0		<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0		<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		310. J		259. J		1520		927
Iron	7439-89-6	Y	UG/L	1000		No Value			206. J		156. J		1460	
Lead	7439-92-1	N	UG/L	25		No Value		<0.082		<0.082		<0.082		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082		<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		404		360		282		435
Manganese	7439-96-5	N	UG/L			No Value		26.9		16.2		371		416
Manganese	7439-96-5	Y	UG/L			No Value			17.8		10.3		374	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15		<0.15		<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		3.0 B		3.8 B		4.1 J		7.2 J
Zinc	7440-66-6	Y	UG/L	50		No Value			4.0 B		6.9 B		4.5 J	
Total Hardness As CaCO3	471-34-1	N	UG/L					6800 B		4000		4200		6600
Total Suspended Solids	C009	N	UG/L							1000 J		2400 J		3600

Notes:
UG/L - Microgram(s) per liter
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Table 17
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 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	DERA Creek Tributary			Seep		Lake DERA	
							Field Sample ID	SW-09	SW-10	SW-10	SW-26	SW-26	SW-26	SW-14
							Date Sampled	SSP14-SW-09-Z	PPS14-SW-10	PPS14-SW-10-Z	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-14
							Sample Purpose	10/28/2014	10/21/2014	10/21/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014
							FS	fs	fs	fs	fs	FS	FS	
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value			<0.1				0.3 J	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value			<0.1				2.4	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value			0.1 J				1.7	<0.1
Benzene	71-43-2	N	UG/L		51	No Value			<0.1				0.1 J	<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value			<0.4				<0.4	<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value			0.4 J				2.5	<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value			<0.2				1.2	<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value			<0.1				0.1 J	<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value			0.2 J				0.3 J	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value			<0.1				0.2 J	<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value			0.055				5.0	<0.010
Dowtherm														
Diphenyl Ether	101-84-8	N	UG/L		50	No Value			5		<0.5			<0.5
Inorganics														
Barium	7440-39-3	N	UG/L		200000	No Value			7.3 J		65.6 J			2.7 J
Barium	7440-39-3	Y	UG/L		200000	No Value		4.6 J		7.1 J		79.2 J		
Calcium	7440-70-2	N	UG/L			No Value			2160		18600			572
Cobalt	7440-48-4	N	UG/L		270	No Value			<1.0		1.0 J			<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value		<1.0		<1.0		<1.0		
Iron	7439-89-6	N	UG/L	1000		No Value			947		14700 J			240. J
Iron	7439-89-6	Y	UG/L	1000		No Value		617		662		19200 J		
Lead	7439-92-1	N	UG/L	25		No Value			<0.082		<0.082			<0.082
Lead	7439-92-1	Y	UG/L	25		No Value		<0.082		<0.082		<0.082		
Magnesium	7439-95-4	N	UG/L			No Value			431		2580			171. J
Manganese	7439-96-5	N	UG/L			No Value			510		6880			3.3 J
Manganese	7439-96-5	Y	UG/L			No Value		402		498		6420		
Thallium	7440-28-0	N	UG/L		0.47	No Value			<0.15		0.22 J			<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value		<0.15		<0.15		<0.15		
Zinc	7440-66-6	N	UG/L	50		No Value			7.3 B		5.1 B			3.7 B
Zinc	7440-66-6	Y	UG/L	50		No Value		8.7 J		11.7 B		6.7 B		
Total Hardness As CaCO3	471-34-1	N	UG/L						7200		57200			2100
Total Suspended Solids	C009	N	UG/L						2000 J		15200			8000

Notes:
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Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	Lake DERA						
							Field Sample ID	SW-14	SW-27	SW-27	SW-28	SW-28	SW-29	SW-29
							Date Sampled	SSP14-SW-14-Z	SSP14-SW-27	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z
							Sample Purpose	10/29/2014	10/30/2014	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
							FS	FS	FS	FS	FS	FS	FS	
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value			<0.1		<0.1		<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value			<0.1		<0.1		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value			<0.1		<0.1		<0.1	
Benzene	71-43-2	N	UG/L		51	No Value			<0.1		<0.1		<0.1	
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value			<0.4		<0.4		<0.4	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value			<0.1		<0.1		<0.1	
Methylene Chloride	75-09-2	N	UG/L		590	No Value			<0.2		<0.2		<0.2	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value			<0.1		<0.1		<0.1	
Trichloroethene	79-01-6	N	UG/L		30	No Value			<0.1		<0.1		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value			<0.1		<0.1		<0.1	
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value			<0.010		<0.010		<0.010	
Dowtherm														
Diphenyl Ether	101-84-8	N	UG/L		50	No Value			<0.5		<0.5		<0.6	
Inorganics														
Barium	7440-39-3	N	UG/L		200000	No Value			5.2 J		3.5 B		3.5 B	
Barium	7440-39-3	Y	UG/L		200000	No Value			1.9 J		4.8 J		2.3 J	
Calcium	7440-70-2	N	UG/L			No Value			1100		579		560	
Cobalt	7440-48-4	N	UG/L		270	No Value			<1.0		<1.0		<1.0	
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0		<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value			308. J		601		448	
Iron	7439-89-6	Y	UG/L	1000		No Value			148. J		205. J		152. J	
Lead	7439-92-1	N	UG/L	25		No Value			<0.082		0.33 J		0.35 J	
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082		<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value			372		205		206	
Manganese	7439-96-5	N	UG/L			No Value			29.3		12.6 B		10.6 B	
Manganese	7439-96-5	Y	UG/L			No Value			1.5 J		22.4		1.9 J	
Thallium	7440-28-0	N	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value			3.6 B		6.5 B		5.6 B	
Zinc	7440-66-6	Y	UG/L	50		No Value			3.6 B		8.7 B		<2.0	
Total Hardness As CaCO3	471-34-1	N	UG/L						4300		2300		2200	
Total Suspended Solids	C009	N	UG/L						1300 J		5600 J		12800	

Notes:
UG/L - Microgram(s) per liter
B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
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Table 17
Constituents of Potential Concern in Surface Water
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	Lake DERA						
							Field Sample ID	SW-30	SW-30	SW-31	SW-31	SW-32	SW-32	SW-33
							Date Sampled	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32	SSP14-SW-32-Z	SSP14-SW-33
							Sample Purpose	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/22/2014
							FS	FS	FS	FS	FS	FS	FS	
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1		<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4		<0.4		<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1		<0.1		<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2		<0.2		<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1		<0.1		<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1		<0.1		<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1		<0.1		<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010		<0.010		<0.010		<0.010
Dowtherm														
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5		<0.5		<0.5		<0.5
Inorganics														
Barium	7440-39-3	N	UG/L		200000	No Value		2.5 B		3.1 J		2.7 J		2.2 B
Barium	7440-39-3	Y	UG/L		200000	No Value			1.8 J		2.1 J		2.1 J	
Calcium	7440-70-2	N	UG/L			No Value		519		613		668		547
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0		<1.0		<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0		<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		311. J		198. J		240. J		227. J
Iron	7439-89-6	Y	UG/L	1000		No Value			156. J		142. J		158. J	
Lead	7439-92-1	N	UG/L	25		No Value		0.17 J		<0.082		<0.082		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082		<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		171. J		175. J		177. J		176. J
Manganese	7439-96-5	N	UG/L			No Value		5.7 B		4.1 J		6.2 J		3.1 B
Manganese	7439-96-5	Y	UG/L			No Value			1.3 J		1.7 J		4.0 J	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15		<0.15		<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		6.5 B		4.2 B		3.5 B		5.3 B
Zinc	7440-66-6	Y	UG/L	50		No Value			3.5 B		3.3 B		4.3 B	
Total Hardness As CaCO3	471-34-1	N	UG/L					2000		2300		2400		2100
Total Suspended Solids	C009	N	UG/L					9670		3200		4300		<2000

Notes:
 UG/L - Microgram(s) per liter
 B - Not detected substantially above the level reported in the laboratory or fieldblanks.
 J - Analyte present. Reported value may not be accurate or precise.
 UJ - Not detected. Reporting limit may not be accurate or precise.

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Table 17
Constituents of Potential Concern in Surface Water
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Lake DERA					
							Location ID	SW-33	SW-34	SW-34	SW-35	SW-35
							Field Sample ID	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z
							Date Sampled	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014
Sample Purpose	FS	FS	FS	FS	FS							
Volatile Organic Compounds												
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1		<0.1		
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1		<0.1		
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1		<0.1		
Benzene	71-43-2	N	UG/L		51	No Value		<0.1		<0.1		
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4		0.6 J		
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1		<0.1		
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2		<0.2		
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1		<0.1		
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1		<0.1		
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1		<0.1		
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010		<0.010		
Dowtherm							No Value					
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5		<0.5		
Inorganics							No Value					
Barium	7440-39-3	N	UG/L		200000	No Value			2.2 B	2.3 B		
Barium	7440-39-3	Y	UG/L		200000	No Value		1.8 J		2.0 J	1.9 J	
Calcium	7440-70-2	N	UG/L			No Value			535	582		
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0		<1.0		
Cobalt	7440-48-4	Y	UG/L		270	No Value		<1.0		<1.0	<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value			224. J	233. J		
Iron	7439-89-6	Y	UG/L	1000		No Value		156. J		143. J	152. J	
Lead	7439-92-1	N	UG/L	25		No Value		<0.082		<0.082		
Lead	7439-92-1	Y	UG/L	25		No Value		<0.082		<0.082	<0.082	
Magnesium	7439-95-4	N	UG/L			No Value			176. J	179. J		
Manganese	7439-96-5	N	UG/L			No Value			2.7 B	3.9 B		
Manganese	7439-96-5	Y	UG/L			No Value		0.84 J		0.94 J	0.83 J	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15		<0.15		
Thallium	7440-28-0	Y	UG/L		0.47	No Value		<0.15		<0.15	<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value			2.9 B	37.9 J		
Zinc	7440-66-6	Y	UG/L	50		No Value		3.1 B		3.2 B	2.8 B	
Total Hardness As CaCO3	471-34-1	N	UG/L						2100	2200		
Total Suspended Solids	C009	N	UG/L						<1000	2000 J		

Notes:
UG/L - Microgram(s) per liter
B - Not detected substantially above the level reported in the laboratory or fieldblanks.
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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	SWMU 14 Ditch		
							Location ID	SW-BALLFIELD	SW-BALLFIELD
							Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z
							Date Sampled	10/23/2014	10/23/2014
							Sample Purpose	FS	FS
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1	
Benzene	71-43-2	N	UG/L		51	No Value		0.5	
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1	
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1	
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1	
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		0.019 J	
Dowtherm									
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		4	
Inorganics									
Barium	7440-39-3	N	UG/L		200000	No Value		10.4	
Barium	7440-39-3	Y	UG/L		200000	No Value			8.0 J
Calcium	7440-70-2	N	UG/L			No Value		2570	
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0	
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0
Iron	7439-89-6	N	UG/L	1000		No Value		4030	
Iron	7439-89-6	Y	UG/L	1000		No Value			2600
Lead	7439-92-1	N	UG/L	25		No Value		0.42 J	
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082
Magnesium	7439-95-4	N	UG/L			No Value		583	
Manganese	7439-96-5	N	UG/L			No Value		476	
Manganese	7439-96-5	Y	UG/L			No Value			375
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15	
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15
Zinc	7440-66-6	N	UG/L	50		No Value		5.5 B	
Zinc	7440-66-6	Y	UG/L	50		No Value			6.7 B
Total Hardness As CaCO3	471-34-1	N	UG/L					8800	
Total Suspended Solids	C009	N	UG/L					21000	

Notes:

UG/L - Microgram(s) per liter

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UJ - Not detected. Reporting limit may not be accurate or precise.

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Table 18
Ecological Screening Values (ESVs) for Surface Water
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Basis	Reference ^a
1,1,1,2-Tetrachloroethane	—	—	—	—
1,1,1-Trichloroethane	2500	µg/L	Total	NC2B Standards
1,1,2,2-Tetrachloroethane	380	µg/L	Total	EPA R5 ESL
1,1,2-Trichloroethane	1200	µg/L	Total	EPA R3 BTAG
1,1-Dichloroethane	47	µg/L	Total	EPA R3 BTAG
1,1-Dichloroethene	1500	µg/L	Total	NC2B Standards
1,2,3-Trichloropropane	—	—	—	—
1,2-Dibromo-3-Chloropropane	—	—	—	—
1,2-Dibromoethane (EDB)	—	—	—	—
1,2-Dichloroethane	910	µg/L	Total	EPA R5 ESL
1,2-Dichloropropane	360	µg/L	Total	EPA R5 ESL
1,4-Dioxane	22000	µg/L	Total	EPA R5 ESL
2-Hexanone	99	µg/L	Total	EPA R5 ESL
Acetone	2000	µg/L	Total	NC2B Standards
Acetonitrile	12000	µg/L	Total	EPA R5 ESL
Acrolein	3	µg/L	Total	NC2B Standards
Acrylonitrile	66	µg/L	Total	EPA R5 ESL
Allyl Chloride	—	—	—	—
Antimony	0.03	mg/L	Dissolved	NAWQC Chronic
Arsenic	0.05	mg/L	Total	NC2B Standards
Barium	16	mg/L	Total	TCEQ
Benzene	114	µg/L	Total	EPA R5 ESL
Beryllium	0.0065	mg/L	Dissolved	NC2B Standards
Biphenyl	18	µg/L	Total	NC2B Standards
Bromodichloromethane	4320	µg/L	Total	EPA R6 FW
Bromoform	230	µg/L	Total	EPA R5 ESL
Cadmium	0.002	mg/L	Total	NC2B Standards
Calcium	116	mg/L	Total	EPA R3 BTAG
Carbon Disulfide	0.92	µg/L	Total	Tier II SCV
Carbon Tetrachloride	240	µg/L	Total	EPA R5 ESL
Chlorobenzene	140	µg/L	Total	NC2B Standards
Chlorodibromomethane	—	—	—	—
Chloroform	140	µg/L	Total	EPA R5 ESL
Chloroprene	—	—	—	—
Chromium	0.05	mg/L	Total	NC2B Standards
cis-1,2 Dichloroethene	590	µg/L	Total	Tier II SCV
cis-1,3-Dichloropropene	0.055	µg/L	Total	Tier II SCV
Cobalt	0.003	mg/L	Dissolved	OSWER Tier II SCV
Copper	0.007	mg/L	Total	NC2B Standards
Dichlorodifluoromethane	1960	µg/L	Total	EPA R6 FW
Diethylene Glycol	—	—	—	—
Diphenyl Ether	1104	µg/L	Total	DuPont ETC
Ethyl Chloride	—	—	—	—
Ethyl Methacrylate	—	—	—	—
Ethylbenzene	97	µg/L	Total	NC2B Standards
Ethylene Glycol	192000	µg/L	Total	Canadian WQG
Iodomethane	—	—	—	—
Iron	1	mg/L	Total	NC2B Standards
Isobutyl Alcohol	—	—	—	—
Lead	0.025	mg/L	Total	NC2B Standards
Magnesium	82	mg/L	Total	EPA R3 BTAG
Manganese	0.12	mg/L	Total	EPA R3 BTAG
Mercury	0.000012	mg/L	Total	NC2B Standards

Table 18
Ecological Screening Values (ESVs) for Surface Water
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Basis	Reference ^a
Methacrylonitrile	—	—	—	—
Methyl Bromide	16	µg/L	Total	EPA R5 ESL
Methyl Chloride	5500	µg/L	Total	EPA R4 ESV
Methyl Ethyl Ketone	14000	µg/L	Total	EPA R3 BTAG
Methyl Isobutyl Ketone	52700	µg/L	Total	EPA R6 FW
Methyl Methacrylate	9600	µg/L	Total	NC2B Standards
Methylene Bromide	—	—	—	—
Methylene Chloride	940	µg/L	Total	EPA R5 ESL
Nickel	0.088	mg/L	Total	NC2B Standards
Nitrate	13	mg/L	Total	Canadian WQG
Nitrite	0.06	mg/L	Total	Canadian WQG
Pentachloroethane	56.4	µg/L	Total	EPA R5 ESL
Propionitrile	—	—	—	—
Propylene Glycol	500	mg/L	Total	Canadian WQG
Selenium	0.005	mg/L	Total	NC2B Standards
Silver	0.00006	mg/L	Dissolved	NC2B Standards
Styrene	72	µg/L	Total	EPA R3 BTAG
Tetrachloroethene	45	µg/L	Total	EPA R5 ESL
Thallium	0.0008	mg/L	Total	Canadian WQG
Tin	0.073	mg/L	Total	EPA R6 FW
Toluene	11	µg/L	Total	NC2B Standards
Total Hardness As CaCO3	—	—	—	—
Total Suspended Solids	—	—	—	—
trans-1,2-Dichloroethene	970	µg/L	Total	EPA R5 ESL
trans-1,3-Dichloropropene	0.055	µg/L	Total	Tier II SCV
trans-1,4-Dichlorobutene-2	—	—	—	—
Trichloroethene	47	µg/L	Total	EPA R5 ESL
Trichlorofluoromethane	1740	µg/L	Total	EPA R6 FW
Triethylene Glycol	—	—	—	—
Vanadium	0.012	mg/L	Total	EPA R5 ESL
Vinyl Acetate	248	µg/L	Total	EPA R5 ESL
Vinyl Chloride	930	µg/L	Total	EPA R5 ESL
Xylenes	670	µg/L	Total	NC2B Standards
Zinc	0.05	mg/L	Total	NC2B Standards

Notes:

µg/L, microgram per liter; mg/L, miligram per liter

^a - References used are as follows;

- NC2B Standards (NCDENR 2007)
- EPA R3 BTAG, USEPA Region 3 Biological Technical Assistance Group (EPA 2006)
- EPA R5 ESL, USEPA Region 5 Ecological Screening Levels (EPA 2003)
- EPA R6 FW, USEPA Region 6 Fresh water (TNRCC 2001)
- Tier II SCV, Secondary Chronic Value (Suter and Tsao 1996)
- Canadian WQG, Canadian Water Quality Guidelines (CCME 2013)
- EPA R4 ESV, USEPA Region 4 Ecological Screening Value (EPA 2001)
- OSWER Tier II SCV (EPA 1996)
- NRWQC Chronic, National Recommended Water Quality Criteria Continuous Concentrations (EPA 2014)
- TCEQ, Texas Commission for Environmental Quality (TCEQ, 2014)
- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).

Table 19
Step 1 Surface Water Screening Results
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
Glycols	Diethylene Glycol	µg/L	17	0	—	—	4.00E+03	—	—	—	—	Non-Detect
Glycols	Ethylene Glycol	µg/L	17	0	—	—	4.00E+03	1.92E+05	µg/L	Canadian WQG	—	Non-Detect
Glycols	Propylene Glycol	mg/L	17	0	—	—	4.00E+00	5.00E+02	mg/L	Canadian WQG	—	Non-Detect
Glycols	Triethylene Glycol	µg/L	17	0	—	—	4.00E+03	—	—	—	—	Non-Detect
Metals	Antimony	mg/L	17	0	—	—	1.65E-04	3.00E-02	mg/L	NAWQC Chronic	—	Non-Detect
Metals	Arsenic	mg/L	17	0	—	—	4.10E-04	5.00E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Barium	mg/L	17	17	2.20E-03	6.56E-02	7.74E-03	1.60E+01	mg/L	TCEQ	0	Max < ESV
Metals	Beryllium	mg/L	17	0	—	—	3.35E-04	6.50E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Cadmium	mg/L	17	0	—	—	8.50E-05	2.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Calcium	mg/L	17	17	5.19E-01	1.86E+01	2.05E+00	1.16E+02	mg/L	EPA R3 BTAG	0	Max < ESV
Metals	Chromium	mg/L	17	0	—	—	6.50E-04	5.00E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Cobalt	mg/L	17	1	1.00E-03	1.00E-03	5.29E-04	3.00E-03	mg/L	OSWER Tier II SCV	0	Max < ESV
Metals	Copper	mg/L	17	0	—	—	1.40E-03	7.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Iron	mg/L	17	17	1.98E-01	1.47E+01	1.52E+00	1.00E+00	mg/L	NC2B Standards	3	Max > ESV
Metals	Lead	mg/L	17	4	1.70E-04	4.20E-04	1.06E-04	2.50E-02	mg/L	NC2B Standards	0	Max < ESV
Metals	Magnesium	mg/L	17	17	1.71E-01	2.58E+00	4.18E-01	8.20E+01	mg/L	EPA R3 BTAG	0	Max < ESV
Metals	Manganese	mg/L	17	17	2.70E-03	6.88E+00	5.20E-01	1.20E-01	mg/L	EPA R3 BTAG	5	Max > ESV
Metals	Mercury	mg/L	17	0	—	—	3.00E-05	1.20E-05	mg/L	NC2B Standards	—	Non-Detect
Metals	Nickel	mg/L	17	0	—	—	8.00E-04	8.80E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Selenium	mg/L	17	0	—	—	2.40E-03	5.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Silver	mg/L	17	0	—	—	9.00E-04	6.00E-05	mg/L	NC2B Standards	—	Non-Detect
Metals	Thallium	mg/L	17	1	2.20E-04	2.20E-04	8.35E-05	8.00E-04	mg/L	Canadian WQG	0	Max < ESV
Metals	Tin	mg/L	17	0	—	—	1.20E-03	7.30E-02	mg/L	EPA R6 FW	—	Non-Detect
Metals	Vanadium	mg/L	17	0	—	—	9.50E-04	1.20E-02	mg/L	EPA R5 ESL	—	Non-Detect
Metals	Zinc	mg/L	17	17	2.90E-03	3.79E-02	6.81E-03	5.00E-02	mg/L	NC2B Standards	0	Max < ESV
SVOCs	1,4-Dioxane	µg/L	17	0	—	—	5.00E-01	2.20E+04	µg/L	EPA R5 ESL	—	Non-Detect
SVOCs	Biphenyl	µg/L	17	0	—	—	2.53E-01	1.80E+01	µg/L	NC2B Standards	—	Non-Detect
SVOCs	Diphenyl Ether	µg/L	17	2	4.00E+00	5.00E+00	7.53E-01	1.10E+03	µg/L	DuPont ETC	0.00E+00	Max < ESV
VOCs	1,1,1,2-Tetrachloroethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/L	17	1	3.00E-01	3.00E-01	6.47E-02	2.50E+03	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,1,2,2-Tetrachloroethane	µg/L	17	0	—	—	5.00E-02	3.80E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/L	17	0	—	—	5.00E-02	1.20E+03	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/L	17	1	2.40E+00	2.40E+00	1.88E-01	4.70E+01	µg/L	EPA R3 BTAG	0	Max < ESV
VOCs	1,1-Dichloroethene	µg/L	17	2	1.00E-01	1.70E+00	1.50E-01	1.50E+03	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,2,3-Trichloropropane	µg/L	17	0	—	—	1.50E-01	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/L	17	0	—	—	1.00E-01	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/L	17	0	—	—	5.00E-02	9.10E+02	µg/L	EPA R5 ESL	—	Non-Detect

Table 19
Step 1 Surface Water Screening Results
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Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
VOCs	1,2-Dichloropropane	µg/L	17	0	—	—	5.00E-02	3.60E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/L	17	0	—	—	5.00E-01	9.90E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/L	17	0	—	—	1.50E+00	2.00E+03	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acetonitrile	µg/L	17	0	—	—	3.50E+00	1.20E+04	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/L	17	0	—	—	2.00E+01	3.00E+00	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acrylonitrile	µg/L	17	0	—	—	2.00E+00	6.60E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Benzene	µg/L	17	2	1.00E-01	5.00E-01	7.94E-02	1.14E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Bromodichloromethane	µg/L	17	0	—	—	5.00E-02	4.32E+03	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Bromoform	µg/L	17	0	—	—	5.00E-02	2.30E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/L	17	1	6.00E-01	6.00E-01	2.24E-01	9.20E-01	µg/L	Tier II SCV	0	Max < ESV
VOCs	Carbon Tetrachloride	µg/L	17	0	—	—	5.00E-02	2.40E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/L	17	0	—	—	5.00E-02	1.40E+02	µg/L	NC2B Standards	—	Non-Detect
VOCs	Chlorodibromomethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/L	17	0	—	—	5.00E-02	1.40E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/L	17	4	2.00E-01	2.50E+00	2.68E-01	5.90E+02	µg/L	Tier II SCV	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/L	17	0	—	—	5.00E-02	5.50E-02	µg/L	Tier II SCV	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/L	17	0	—	—	5.00E-02	1.96E+03	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Ethyl Chloride	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Ethyl Methacrylate	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/L	17	0	—	—	5.00E-02	9.70E+01	µg/L	NC2B Standards	—	Non-Detect
VOCs	Iodomethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Isobutyl Alcohol	µg/L	17	0	—	—	5.00E+00	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/L	17	0	—	—	5.00E-01	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/L	17	0	—	—	5.00E-02	1.60E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/L	17	0	—	—	1.00E-01	5.50E+03	µg/L	EPA R4 ESV	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/L	17	0	—	—	5.00E-01	1.40E+04	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Methyl Isobutyl Ketone	µg/L	17	0	—	—	5.00E-01	5.27E+04	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Methyl Methacrylate	µg/L	17	0	—	—	5.00E-02	9.60E+03	µg/L	NC2B Standards	—	Non-Detect
VOCs	Methylene Bromide	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/L	17	1	1.20E+00	1.20E+00	1.65E-01	9.40E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Pentachloroethane	µg/L	17	0	—	—	1.00E-01	5.64E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/L	17	0	—	—	1.00E+00	—	—	—	—	Non-Detect
VOCs	Styrene	µg/L	17	0	—	—	5.00E-02	7.20E+01	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Tetrachloroethene	µg/L	17	0	—	—	5.00E-02	4.50E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/L	17	0	—	—	5.00E-02	1.10E+01	µg/L	NC2B Standards	—	Non-Detect
VOCs	trans-1,2-Dichloroethene	µg/L	17	1	1.00E-01	1.00E-01	5.29E-02	9.70E+02	µg/L	EPA R5 ESL	0	Max < ESV

Table 19
Step 1 Surface Water Screening Results
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 Former DuPont Brevard Facility
 Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
VOCs	trans-1,3-Dichloropropene	µg/L	17	0	—	—	5.00E-02	5.50E-02	µg/L	Tier II SCV	—	Non-Detect
VOCs	trans-1,4-Dichlorobutene-2	µg/L	17	0	—	—	5.00E-01	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/L	17	3	2.00E-01	4.00E-01	9.41E-02	4.70E+01	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Trichlorofluoromethane	µg/L	17	1	2.00E-01	2.00E-01	5.88E-02	1.74E+03	µg/L	EPA R6 FW	0	Max < ESV
VOCs	Vinyl Acetate	µg/L	17	0	—	—	1.00E-01	2.48E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/L	17	5	1.90E-02	5.00E+00	3.15E-01	9.30E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Xylenes	µg/L	17	0	—	—	5.00E-02	6.70E+02	µg/L	NC2B Standards	—	Non-Detect

Notes:

µg/L, microgram per liter; mg/L, milligram per liter; ESV, Ecological screening value; VOCs, Volatile organic compounds

^a - Minimum of detected values

^b - Maximum of detected values

^c - Arithmetic mean of all data. Half of method detection limit used for non-detects.

^d - Sources used are as follows;

- NC2B Standards (NCDENR, 2007)

- EPA R3 BTAG, USEPA Region III Biological Technical Assistance Group (EPA, 2006)

- EPA R5 ESL, USEPA Region V Ecological Screening Levels (EPA, 2003)

- EPA R6 FW, Region 6 Fresh water (TNRCC, 2001)

- Tier II SCV, Secondary Chronic Value (Suter and Tsao, 1996)

- Canadian WQG, Canadian Water Quality Guidelines (CCME, 2013)

- EPA R4 ESV, USEPA Region IV Environmental Screening Value (EPA, 2001)

- OSWER Tier II SCV (EPA, 1996)

- NAWQC Chronic, National Ambient Water Quality Criteria Chronic levels (EPA, 2012)

- CCID, Chemical Classification and Information Database (LeBlanc, 1980)

- TCEQ, Texas Commission of Environmental Quality (TCEQ, 2014)

- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).

Yellow - COPECS identified based on Max > ESV

Table 20
Step 1 Pore Water Screening Results
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
VOCs	1,1,1,2-Tetrachloroethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/L	11	1	0.1	0.1	0.055	2500	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,1,2,2-Tetrachloroethane	µg/L	11	0	—	—	0.050	380	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/L	11	0	—	—	0.050	1200	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/L	11	2	0.1	2.1	0.241	47	µg/L	EPA R3 BTAG	0	Max < ESV
VOCs	1,1-Dichloroethene	µg/L	11	2	0.1	1.5	0.186	1500	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,2,3-Trichloropropane	µg/L	11	0	—	—	0.150	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/L	11	0	—	—	0.100	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/L	11	0	—	—	0.050	910	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,2-Dichloropropane	µg/L	11	0	—	—	0.050	360	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/L	11	0	—	—	0.500	99	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/L	11	0	—	—	1.500	2000	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acetonitrile	µg/L	11	0	—	—	3.500	12000	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/L	11	0	—	—	20.000	3	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acrylonitrile	µg/L	11	0	—	—	2.000	66	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Benzene	µg/L	11	1	0.3	0.3	0.073	114	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Bromodichloromethane	µg/L	11	0	—	—	0.050	4320	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Bromoform	µg/L	11	0	—	—	0.050	230	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/L	11	0	—	—	0.200	0.92	µg/L	Tier II SCV	—	Non-Detect
VOCs	Carbon Tetrachloride	µg/L	11	0	—	—	0.050	240	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/L	11	0	—	—	0.050	140	µg/L	NC2B Standards	—	Non-Detect
VOCs	Chlorodibromomethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/L	11	0	—	—	0.050	140	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/L	11	3	0.1	1.7	0.218	590	µg/L	Tier II SCV	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/L	11	0	—	—	0.050	0.055	µg/L	Tier II SCV	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/L	11	0	—	—	0.050	1960	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Ethyl Chloride	µg/L	11	1	0.1	0.1	0.055	—	—	—	—	No ESV
VOCs	Ethyl Methacrylate	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/L	11	0	—	—	0.050	97	µg/L	NC2B Standards	—	Non-Detect
VOCs	Iodomethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Isobutyl Alcohol	µg/L	11	0	—	—	5.000	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/L	11	0	—	—	0.500	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/L	11	0	—	—	0.050	16	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/L	11	0	—	—	0.100	5500	µg/L	EPA R4 Chronic surface water	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/L	11	0	—	—	0.500	14000	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Methyl Isobutyl Ketone	µg/L	11	0	—	—	0.500	52700	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Methyl Methacrylate	µg/L	11	0	—	—	0.050	9600	µg/L	NC2B Standards	—	Non-Detect
VOCs	Methylene Bromide	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/L	11	0	—	—	0.100	940	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Pentachloroethane	µg/L	11	0	—	—	0.100	56.4	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/L	11	0	—	—	1.000	—	—	—	—	Non-Detect
VOCs	Styrene	µg/L	11	0	—	—	0.050	72	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Tetrachloroethene	µg/L	11	0	—	—	0.050	45	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/L	11	2	0.1	0.1	0.059	11	µg/L	NC2B Standards	0	Max < ESV
VOCs	trans-1,2-Dichloroethene	µg/L	11	0	—	—	0.050	970	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	trans-1,3-Dichloropropene	µg/L	11	0	—	—	0.050	0.055	µg/L	Tier II SCV	—	Non-Detect

Table 20
Step 1 Pore Water Screening Results
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Former DuPont Brevard Facility
Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
VOCs	trans-1,4-Dichlorobutene-2	µg/L	11	0	—	—	0.500	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/L	11	3	0.1	0.3	0.091	47	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Trichlorofluoromethane	µg/L	11	0	—	—	0.050	1740	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Vinyl Acetate	µg/L	11	0	—	—	0.100	248	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/L	11	3	0.016	3.6	0.408	930	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Xylenes	µg/L	11	0	—	—	0.050	670	µg/L	NC2B Standards	—	Non-Detect
SVOCs	1,4-Dioxane	µg/L	11	1	5	5	0.909	22000	µg/L	EPA R5 ESL	0	Max < ESV

Notes:

µg/L, microgram per liter; ESV, Ecological screening value; (S)VOCs, (Semi-) Volatile organic compounds

^a - Minimum of detected values

^b - Maximum of detected values

^c - Arithmetic mean of all data. Half of method detection limit used for non-detects.

^d - Sources used are as follows;

- NC2B Standards (NCDENR 2007)

- EPA R3 BTAG, USEPA Region III Biological Technical Assistance Group (EPA 2006)

- EPA R5 ESL, USEPA Region V Ecological Screening Levels (EPA 2003)

- EPA R6 FW, Region 6 Fresh water (TNRCC 2001)

- Tier II SCV, Secondary Chronic Value (Suter and Tsao 1996)

- Canadian WQG, Canadian Water Quality Guidelines (CCME 2013)

- EPA R4 ESV, USEPA Region IV Environmental Screening Value (EPA 2001)

- OSWER Tier II SCV (EPA 1996)

- NAWQC Chronic, National Ambient Water Quality Criteria Chronic levels (EPA 2012)

Green - COPEC identified based on detects and No ESV, but ultimate not retained as a COPEC based limited detection.

Table 21A
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	Site-Specific Screening Level	No. of Detects Above SL
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	19	1	0.009	0.009	SED-26	3.6	0		
1,1-Dichloroethene	75-35-4	MG/KG	19	1	0.008	0.008	SED-26	46	0		
Acetone	67-64-1	MG/KG	19	19	0.009	0.28	SED-26	12000	0		
Carbon Disulfide	75-15-0	MG/KG	19	5	0.002	0.044	SED-26	150	0		
cis-1,2 Dichloroethene	156-59-2	MG/KG	19	1	0.009	0.009	SED-26	32	0		
Diethylene Glycol	111-46-6	MG/KG	19	1	8.2	8.2	SED-05	360	0		
Iodomethane	74-88-4	MG/KG	19	2	0.006	0.014	SED-10	No Value	-		
Methyl Ethyl Ketone	78-93-3	MG/KG	19	3	0.011	0.027	SED-33	5400	0		
Toluene	108-88-3	MG/KG	19	2	0.001	0.003	SED-14	820	0		
Vinyl Chloride	75-01-4	MG/KG	19	1	0.01	0.01	SED-26	0.059	0		
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	19	3	0.006	0.034	SED-28	46	0		
Acenaphthene	83-32-9	MG/KG	19	4	0.011	0.31	SED-28	700	0		
Acenaphthylene	208-96-8	MG/KG	19	2	0.011	0.18	SED-09	700	0		
Anthracene	120-12-7	MG/KG	19	5	0.006	1.6	SED-09	3400	0		
Benzo(A)Anthracene	56-55-3	MG/KG	19	12	0.005	3.7	SED-09	0.15	2	0.44 - 44	0
Benzo(B)Fluoranthene	205-99-2	MG/KG	19	13	0.007	3.6	SED-09	0.15	2	0.44 - 44	0
Benzo(G,H,I)Perylene	191-24-2	MG/KG	19	12	0.005	1.7	SED-09	340	0		
Benzo(K)Fluoranthene	207-08-9	MG/KG	19	10	0.005	1.6	SED-09	1.5	1	4.4 - 440	0
Benzo[A]Pyrene	50-32-8	MG/KG	19	13	0.006	2.8	SED-09	0.015	7	0.04 - 4.4	0
Chrysene	218-01-9	MG/KG	19	12	0.007	3.6	SED-09	15	0		
Dibenz(A,H)Anthracene	53-70-3	MG/KG	19	3	0.014	0.39	SED-09	0.015	2	0.04 - 4.4	0
Dibenzofuran	132-64-9	MG/KG	19	2	0.12	0.18	SED-09	14	0		
Fluoranthene	206-44-0	MG/KG	19	14	0.006	7.1	SED-09	460	0		
Fluorene	86-73-7	MG/KG	19	4	0.006	0.49	SED-09	460	0		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	19	10	0.005	1.6	SED-09	0.15	2	0.4 - 44	0
Naphthalene	91-20-3	MG/KG	19	3	0.028	0.058	SED-28	3.8	0		
Phenanthrene	85-01-8	MG/KG	19	11	0.007	5.2	SED-09	3400	0		

Table 21A
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	Site-Specific Screening Level	No. of Detects Above SL
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	19	1	0.026	0.026	SED-09	9	0		
Diphenyl Ether	101-84-8	MG/KG	19	2	0.096	0.7	SED-09	2700	0		
Inorganics											
Antimony	7440-36-0	MG/KG	19	3	0.135	1.7	SED-09	6.2	0		
Arsenic	7440-38-2	MG/KG	19	19	0.223	5.21	SED-33	0.67	9	1.9 - 112	0
Barium	7440-39-3	MG/KG	19	19	4.98	120	SED-33	3000	0		
Beryllium	7440-41-7	MG/KG	19	19	0.0842	2.62	SED-33	32	0		
Cadmium	7440-43-9	MG/KG	19	6	0.0497	0.22	SED-33	14	0		
Chromium	7440-47-3	MG/KG	19	19	0.858	15.4	SED-33		0		
Cobalt	7440-48-4	MG/KG	19	19	0.374	4.55	SED-09	4.6	0		
Copper	7440-50-8	MG/KG	19	19	0.738	11	SED-26	620	0		
Iron	7439-89-6	MG/KG	19	19	1860	72700	SED-26	11000	4	177000	0
Lead	7439-92-1	MG/KG	19	19	1.35	49.8	SED-33	400	0		
Manganese	7439-96-5	MG/KG	19	19	21	5760	SED-09	360	3	6000	0
Mercury	7439-97-6	MG/KG	19	2	0.0421	0.1	SED-33	1.9	0		
Nickel	7440-02-0	MG/KG	19	17	0.407	8.23	SED-33	300	0		
Selenium	7782-49-2	MG/KG	19	12	0.126	2.29	SED-33	78	0		
Silver	7440-22-4	MG/KG	19	3	0.747	15.3	SED-26	78	0		
Thallium	7440-28-0	MG/KG	19	16	0.0435	1.8	SED-26	0.16	6	2.53	0
Tin	7440-31-5	MG/KG	19	19	1.6	6.4	SED-33	9400	0		
Vanadium	7440-62-2	MG/KG	19	19	3.83	48.1	SED-33	78	0		
Zinc	7440-66-6	MG/KG	19	19	4.57	66.6	SED-33	4600	0		

Notes:

MG/KG - Milligram(s) per kilogram

1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.

2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium.


Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride

Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value.

Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09
					Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09
					Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014
					Sample Purpose	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000			0.0220 J	0.0170 J	0.0230	0.0190 J	0.0160 J	0.1300
Carbon Disulfide	75-15-0	MG/KG	150			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<7.2000 UJ	<7.2000 UJ	8.2000 J	<6.5000 UJ	<6.4000 UJ	<6.7000
Iodomethane	74-88-4	MG/KG	No Value			<0.0050	<0.0040	<0.0030	<0.0040	<0.0030	0.0060
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0060	<0.0060	<0.0040	<0.0050	<0.0040	0.0110
Toluene	108-88-3	MG/KG	820			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	0.0230
Acenaphthene	83-32-9	MG/KG	700			<0.0050	<0.0050	0.0110 J	<0.0040	<0.0040	0.1800
Acenaphthylene	208-96-8	MG/KG	700			<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	0.1800
Anthracene	120-12-7	MG/KG	3400			<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	1.6000
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		0.0070 J	0.0070 J	0.0140 J	0.0050 J	<0.0040	3.7
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		0.0090 J	0.0120 J	0.0220 J	<0.0040	<0.0040	3.6
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			<0.0050	0.0070 J	0.0120 J	<0.0040	<0.0040	1.7
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		0.0070 J	<0.0050	0.0050 J	<0.0040	<0.0040	1.6
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		0.0080 J	0.0110 J	0.0160 J	<0.0040	<0.0040	2.8
Chrysene	218-01-9	MG/KG	15			0.0100 J	0.0090 J	0.0200 J	<0.0040	<0.0040	3.6000
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	0.39
Dibenzofuran	132-64-9	MG/KG	14			<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	0.1800
Fluoranthene	206-44-0	MG/KG	460			0.0190 J	0.0090 J	0.0350	<0.0040	<0.0040	7.1000
Fluorene	86-73-7	MG/KG	460			<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	0.4900
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		<0.0050	0.0070 J	0.0130 J	<0.0040	<0.0040	1.6
Naphthalene	91-20-3	MG/KG	3.8			<0.0050	<0.0050	0.0350	<0.0040	<0.0040	0.028
Phenanthrene	85-01-8	MG/KG	3400			0.0110 J	<0.0050	0.0230	<0.0040	<0.0040	5.2
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0240	<0.0240	0.0260 J	<0.0220	<0.0210	<0.0220
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0240	<0.0240	0.7000	<0.0220	<0.0210	<0.0220
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.119	<0.121	<0.114	<0.108	<0.105	0.135 J
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		0.357 J	0.322 J	0.441 J	0.223 J	0.355 J	1.77 J
Barium	7440-39-3	MG/KG	3000			19.4 J	17.3 J	19.7 J	6.05 J	5.70 J	77.5 J
Beryllium	7440-41-7	MG/KG	32			0.597 J	0.468 J	0.540 J	0.168 J	0.188 J	0.394 J
Cadmium	7440-43-9	MG/KG	14			<0.0466	<0.0472	0.104 J	<0.0422	<0.0410	0.0497 J
Chromium	7440-47-3	MG/KG				4.83	2.80 J	5.08	1.40 J	2.53 J	1.65 J
Cobalt	7440-48-4	MG/KG	4.6			1.36 J	1.21 J	1.23 J	0.585 J	0.590 J	4.55
Copper	7440-50-8	MG/KG	620			2.72 J	2.28 J	3.22	0.738 J	0.976 J	4.82

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09
					Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09
					Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014
					Sample Purpose	FS	DUP	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		4840 J	3790 J	4370 J	1950 J	1860 J	10900 J
Lead	7439-92-1	MG/KG	400			3.68 J	3.25 J	3.49 J	1.35 J	2.10 J	5.71 J
Manganese	7439-96-5	MG/KG	360	6000		158 J	139 J	71.1 J	54.7 J	73.6 J	5760 J
Mercury	7439-97-6	MG/KG	1.9			<0.0139	<0.0136	<0.0132	<0.0127	<0.0124	<0.0130
Nickel	7440-02-0	MG/KG	300			2.60 J	1.89 J	2.85	0.701 J	0.839 J	0.407 J
Selenium	7782-49-2	MG/KG	78			0.163 J	0.169 J	<0.135	<0.128	<0.124	0.170 J
Silver	7440-22-4	MG/KG	78			<0.268	<0.272	<0.256	<0.243	<0.236	1.41
Thallium	7440-28-0	MG/KG	0.16	2.53		0.0889 J	0.102 J	0.0914 J	<0.0384	<0.0373	0.348 J
Tin	7440-31-5	MG/KG	9400			2.27 B	2.08 B	2.42 B	2.09 B	2.15 B	2.13 B
Vanadium	7440-62-2	MG/KG	78			10.7 J	7.58 J	12.7 J	4.11 J	5.63 J	7.11 J
Zinc	7440-66-6	MG/KG	4600			14.4	12.7	14.4	5.81	5.51	63.7

Notes:

MG/KG - Milligram(s) per kilogram


1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.

2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-10	SED-14	SED-26	SED-27	SED-28	SED-29
					Field Sample ID	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28	SSP14-SED-29
					Date Sampled	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014	10/23/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010	<0.0010	0.0090 J	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010	<0.0010	0.0080 J	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000			0.2400	0.0220 J	0.2800	0.0210 J	0.0090 J	0.0230 J
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010	0.0020 B	0.0440	0.0020 B	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010	<0.0010	0.0090 J	<0.0010	<0.0010	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000	<7.2000 UJ
Iodomethane	74-88-4	MG/KG	No Value			0.0140	<0.0030	<0.0200	<0.0030	<0.0030	<0.0040
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			0.0150	<0.0050	<0.0270	<0.0050	<0.0040	<0.0050
Toluene	108-88-3	MG/KG	820			<0.0010	0.0030 J	<0.0070	<0.0010	<0.0010	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010	<0.0010	0.0100 J	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0040	<0.0040	<0.0160	<0.0040	0.0340	<0.0050
Acenaphthene	83-32-9	MG/KG	700			<0.0040	<0.0040	0.0290 J	<0.0040	0.3100	<0.0050
Acenaphthylene	208-96-8	MG/KG	700			<0.0040	<0.0040	<0.0160	<0.0040	0.0110 J	<0.0050
Anthracene	120-12-7	MG/KG	3400			<0.0040	0.0060 J	<0.0160	<0.0040	0.7500	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		0.0060 J	0.0170 J	<0.0160	<0.0040	2.2	<0.0050
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		0.0070 J	0.026	0.0210 J	<0.0040	2.8	<0.0050
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			0.0080 J	0.0100 J	0.0220 J	<0.0040	1.3	<0.0050
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		0.0060 J	0.0090 J	<0.0160	<0.0040	1	<0.0050
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		0.0070 J	0.0180 J	0.0260 J	<0.0040	1.9	<0.0050
Chrysene	218-01-9	MG/KG	15			<0.0040	0.0180 J	0.0270 J	<0.0040	2.0000	<0.0050
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0040	<0.0040	<0.0160	<0.0040	0.37	<0.0050
Dibenzofuran	132-64-9	MG/KG	14			<0.0210	<0.0210	<0.0810	<0.0220	0.1200	<0.0240
Fluoranthene	206-44-0	MG/KG	460			0.0070 J	0.0390	0.0510 J	<0.0040	4.5000	0.0060 J
Fluorene	86-73-7	MG/KG	460			<0.0040	<0.0040	0.0390 J	<0.0040	0.3000	<0.0050
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		0.0060 J	0.0090 J	<0.0160	<0.0040	1.2	<0.0050
Naphthalene	91-20-3	MG/KG	3.8			<0.0040	<0.0040	<0.0160	<0.0040	0.058	<0.0050
Phenanthrene	85-01-8	MG/KG	3400			<0.0040	0.028	0.0190 J	<0.0040	2.9	<0.0050
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0210	<0.0210	<0.0810	<0.0220	<0.0210	<0.0240
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0210	<0.0210	0.0960 J	<0.0220	<0.0210	<0.0240
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.102	<0.103	1.70 J	<0.109	<0.100	<0.116
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		0.999 J	0.782 J	5.12 J	0.545 J	0.344 J	0.838 J
Barium	7440-39-3	MG/KG	3000			23.5 J	7.43 J	87.1 J	9.51 J	15.2 J	29.4 J
Beryllium	7440-41-7	MG/KG	32			0.283 J	0.132 J	1.82 J	0.455 J	0.143 J	1.01 J
Cadmium	7440-43-9	MG/KG	14			<0.0397	<0.0403	<0.156	0.0888 J	<0.0391	<0.0454
Chromium	7440-47-3	MG/KG				0.858 J	2.29 J	8.02 J	2.19 J	1.57 J	2.41 J
Cobalt	7440-48-4	MG/KG	4.6			1.94	0.512 J	3.28 J	1.19 J	1.14 J	2.07
Copper	7440-50-8	MG/KG	620			3.4	1.20 J	11	1.67 J	1.49 J	4.12

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-10	SED-14	SED-26	SED-27	SED-28	SED-29
					Field Sample ID	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28	SSP14-SED-29
					Date Sampled	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014	10/23/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		9780 J	3130 J	72700 J	5690 J	4920 J	8460 J
Lead	7439-92-1	MG/KG	400			3.39 J	2.96 J	13.0 J	3.04 J	2.49 J	9.16 J
Manganese	7439-96-5	MG/KG	360	6000		1270 J	24.7 J	1350 J	103 J	101 J	205 J
Mercury	7439-97-6	MG/KG	1.9			<0.0115	<0.0119	<0.0477	<0.0130	<0.0122	<0.0138
Nickel	7440-02-0	MG/KG	300			<0.180	0.944 J	<0.710	1.66 J	0.944 J	2.45 J
Selenium	7782-49-2	MG/KG	78			0.150 J	<0.122	1.04 J	<0.129	<0.118	0.276 J
Silver	7440-22-4	MG/KG	78			0.747 J	<0.232	15.3	<0.244	<0.225	<0.261
Thallium	7440-28-0	MG/KG	0.16	2.53		0.0873 J	0.0458 J	1.80 J	0.0435 J	0.138 J	0.229 J
Tin	7440-31-5	MG/KG	9400			1.70 B	2.08 B	6.28 B	3.27 B	1.60 B	2.98 B
Vanadium	7440-62-2	MG/KG	78			3.83 J	5.79 J	21.5 J	11.3 J	6.38 J	14.2 J
Zinc	7440-66-6	MG/KG	4600			17.9	6.04	59	9.64	16.6	30.1

Notes:

MG/KG - Milligram(s) per kilogram


1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.

2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35
					Field Sample ID	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35
					Date Sampled	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Acetone	67-64-1	MG/KG	12000			0.0180 J	0.0150 J	0.0240	0.2500	0.1400	0.0320
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010	0.0020 B	0.0030 B	<0.0040	<0.0030	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ
Iodomethane	74-88-4	MG/KG	No Value			<0.0040	<0.0030	<0.0030	<0.0130	<0.0100	<0.0030
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0050	<0.0040	<0.0050	0.0270 J	<0.0140	<0.0040
Toluene	108-88-3	MG/KG	820			<0.0010	0.0010 J	<0.0010	<0.0040	<0.0030	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Acenaphthene	83-32-9	MG/KG	700			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Acenaphthylene	208-96-8	MG/KG	700			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Anthracene	120-12-7	MG/KG	3400			<0.0050	<0.0040	<0.0040	<0.0150	0.0110 J	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		0.0070 J	<0.0040	0.0060 J	<0.0150	0.0470 J	0.0060 J
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		0.0140 J	<0.0040	0.0070 J	0.0540 J	0.067	0.0130 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			0.0110 J	<0.0040	0.0050 J	0.0250 J	0.055	0.0090 J
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		<0.0050	<0.0040	0.0060 J	0.0180 J	0.055	0.0060 J
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		0.0110 J	<0.0040	0.0060 J	0.0520 J	0.055	0.0080 J
Chrysene	218-01-9	MG/KG	15			0.0120 J	<0.0040	0.0070 J	0.0460 J	0.0740	0.0080 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0050	<0.0040	<0.0040	<0.0150	0.0140 J	<0.0050
Dibenzofuran	132-64-9	MG/KG	14			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Fluoranthene	206-44-0	MG/KG	460			0.0140 J	<0.0040	0.0170 J	0.0820	0.1200	0.0180 J
Fluorene	86-73-7	MG/KG	460			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		0.0100 J	<0.0040	0.0050 J	<0.0150	0.0400 J	0.0080 J
Naphthalene	91-20-3	MG/KG	3.8			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Phenanthrene	85-01-8	MG/KG	3400			0.0070 J	<0.0040	0.0140 J	0.0340 J	0.0470 J	0.0100 J
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.120	<0.104	<0.110	<0.378	0.242 J	<0.128
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		0.494 J	0.500 J	3.05	5.21 J	3.34 J	0.984 J
Barium	7440-39-3	MG/KG	3000			18.5 J	4.98 J	12.7 J	120 J	76.3 J	22.0 J
Beryllium	7440-41-7	MG/KG	32			0.613 J	0.0842 J	0.374 J	2.62 J	1.66 J	0.574 J
Cadmium	7440-43-9	MG/KG	14			<0.0470	<0.0408	0.121 J	0.220 J	0.165 J	<0.0502
Chromium	7440-47-3	MG/KG				2.46 J	3.11 J	7.09	15.4	13.4	3.64 J
Cobalt	7440-48-4	MG/KG	4.6			1.34 J	0.374 J	1.11 J	4.17 J	3.87	1.33 J
Copper	7440-50-8	MG/KG	620			1.97 J	0.993 J	3.72	9.13	6.59	2.54 J

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35
					Field Sample ID	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35
					Date Sampled	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		6310 J	3340 J	11600 J	16600 J	13100 J	6140 J
Lead	7439-92-1	MG/KG	400			7.55 J	2.29 J	9.28 J	49.8 J	24.1 J	7.88 J
Manganese	7439-96-5	MG/KG	360	6000		116 J	21.0 J	58.3 J	280 J	151 J	67.1 J
Mercury	7439-97-6	MG/KG	1.9			<0.0137	<0.0118	<0.0125	0.100 J	0.0421 J	<0.0152
Nickel	7440-02-0	MG/KG	300			1.66 J	0.635 J	2.39 J	8.23 J	6.66	2.39 J
Selenium	7782-49-2	MG/KG	78			0.183 J	<0.124	0.130 J	2.29 J	1.16 J	0.228 J
Silver	7440-22-4	MG/KG	78			<0.271	<0.235	<0.247	<0.852	<0.541	<0.289
Thallium	7440-28-0	MG/KG	0.16	2.53		0.175 J	<0.0371	0.0861 J	0.618 J	0.317 J	0.0976 J
Tin	7440-31-5	MG/KG	9400			2.73 B	3.29 B	2.79 B	6.40 B	4.89 B	2.45 B
Vanadium	7440-62-2	MG/KG	78			11.9 J	6.44 J	20.4 J	48.1 J	40.6 J	12.4 J
Zinc	7440-66-6	MG/KG	4600			18.8	4.57 J	13.5	66.6	50.8	16.6

Notes:

MG/KG - Milligram(s) per kilogram


1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.

2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-BALLFIELD
					Field Sample ID	SSP14-SED-BALLFIELD
					Date Sampled	10/23/2014
					Sample Purpose	FS
Volatile Organic Compounds						
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010
Acetone	67-64-1	MG/KG	12000			0.0210
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<6.1000
Iodomethane	74-88-4	MG/KG	No Value			<0.0030
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0040
Toluene	108-88-3	MG/KG	820			<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010
Semivolatile Organic Compounds						
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0040
Acenaphthene	83-32-9	MG/KG	700			<0.0040
Acenaphthylene	208-96-8	MG/KG	700			<0.0040
Anthracene	120-12-7	MG/KG	3400			<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		<0.0040
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			<0.0040
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		<0.0040
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		<0.0040
Chrysene	218-01-9	MG/KG	15			<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0040
Dibenzofuran	132-64-9	MG/KG	14			<0.0200
Fluoranthene	206-44-0	MG/KG	460			<0.0040
Fluorene	86-73-7	MG/KG	460			<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		<0.0040
Naphthalene	91-20-3	MG/KG	3.8			<0.0040
Phenanthrene	85-01-8	MG/KG	3400			<0.0040
Dowtherm Constituents						
Biphenyl	92-52-4	MG/KG	9			<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0200
Inorganics						
Antimony	7440-36-0	MG/KG	6.2			<0.0983
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		0.382 J
Barium	7440-39-3	MG/KG	3000			12.6 J
Beryllium	7440-41-7	MG/KG	32			0.494 J
Cadmium	7440-43-9	MG/KG	14			<0.0384
Chromium	7440-47-3	MG/KG				1.33 J
Cobalt	7440-48-4	MG/KG	4.6			0.858 J
Copper	7440-50-8	MG/KG	620			1.27 J

Table 21B
Constituents of Potential Concern in Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-BALLFIELD
					Field Sample ID	SSP14-SED-BALLFIELD
					Date Sampled	10/23/2014
					Sample Purpose	FS
Iron	7439-89-6	MG/KG	11000	177000		6090 J
Lead	7439-92-1	MG/KG	400			2.87 J
Manganese	7439-96-5	MG/KG	360	6000		106 J
Mercury	7439-97-6	MG/KG	1.9			<0.0113
Nickel	7440-02-0	MG/KG	300			0.453 J
Selenium	7782-49-2	MG/KG	78			0.126 J
Silver	7440-22-4	MG/KG	78			<0.221
Thallium	7440-28-0	MG/KG	0.16	2.53		0.114 J
Tin	7440-31-5	MG/KG	9400			1.72 B
Vanadium	7440-62-2	MG/KG	78			7.51 J
Zinc	7440-66-6	MG/KG	4600			11.8

Notes:

MG/KG - Milligram(s) per kilogram


1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.

2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)

Value for chromium is trivalent chromium. Value for benzo(g,h,i)perylene is pyrene

Value for mercury is mercuric chloride Value for acenaphthylene is acenaphthene

Value for diphenyl ether is DuPont-derived value. Value for phenanthrene is anthracene

 Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)

3 - Site-specific recreational screening levels provided in Appendix D.

Table 22
Ecological Screening Values (ESVs) for Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Reference ^a
1,1,1,2-Tetrachloroethane	—	—	—
1,1,1-Trichloroethane	213	µg/kg	EPA R5 ESL
1,1,2,2-Tetrachloroethane	850	µg/kg	EPA R5 ESL
1,1,2-Trichloroethane	518	µg/kg	EPA R5 ESL
1,1-Dichloroethane	0.575	µg/kg	EPA R5 ESL
1,1-Dichloroethene	19.4	µg/kg	EPA R5 ESL
1,2,3-Trichloropropane	—	—	—
1,2,4,5-Tetrachlorobenzene	1252	µg/kg	EPA R5 ESL
1,2,4-Trichlorobenzene	5062	µg/kg	EPA R5 ESL
1,2-Dibromo-3-Chloropropane	—	—	—
1,2-Dibromoethane (EDB)	—	—	—
1,2-Dichlorobenzene	294	µg/kg	EPA R5 ESL
1,2-Dichloroethane	260	µg/kg	EPA R5 ESL
1,2-Dichloropropane	333	µg/kg	EPA R5 ESL
1,3,5-Trinitrobenzene	—	—	—
1,3-Dichlorobenzene	318	µg/kg	EPA R5 ESL
1,3-Dinitrobenzene	8.61	µg/kg	EPA R5 ESL
1,4-Dichlorobenzene	1315	µg/kg	EPA R5 ESL
1,4-Dioxane	119	µg/kg	EPA R5 ESL
1,4-Naphthoquinone	—	—	—
1-Naphthylamine	—	—	—
2,3,4,6-Tetrachlorophenol	129	µg/kg	EPA R5 ESL
2,4,5-Trichlorophenol	819	µg/kg	EPA R3 BTAG Marine
2,4,6-Trichlorophenol	208	µg/kg	EPA R5 ESL
2,4-Dichlorophenol	81.7	µg/kg	EPA R5 ESL
2,4-Dimethylphenol	304	µg/kg	EPA R5 ESL
2,4-Dinitrophenol	6.21	µg/kg	EPA R5 ESL
2,4-Dinitrotoluene	14.4	µg/kg	EPA R5 ESL
2,6-Dichlorophenol	—	—	—
2,6-Dinitrotoluene	39.8	µg/kg	EPA R5 ESL
2-Acetylaminofluorene	15.3	µg/kg	EPA R5 ESL
2-Chloronaphthalene	417	µg/kg	EPA R5 ESL
2-Chlorophenol	31.9	µg/kg	EPA R5 ESL
2-Hexanone	58.2	µg/kg	EPA R5 ESL
2-Methylnaphthalene	330	µg/kg	EPA R4 ESV
2-Methylphenol (O-Cresol)	55.4	µg/kg	EPA R5 ESL
2-Naphthylamine	—	—	—
2-Nitroaniline	—	—	—
2-Nitrophenol	—	—	—
2-Picoline	—	—	—
3,3'-Dichlorobenzidine	127	µg/kg	EPA R5 ESL
3,3'-Dimethylbenzidine	—	—	—
3-Methylcholanthrene	8.19E+06	µg/kg	EPA R5 ESL
3-Nitroaniline	—	—	—
4,6-Dinitro-2-Methylphenol	104	µg/kg	EPA R5 ESL

Table 22
Ecological Screening Values (ESVs) for Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Reference ^a
4-Aminobiphenyl	—	—	—
4-Bromophenyl Phenyl Ether	1550	µg/kg	EPA R5 ESL
4-Chloro-3-Methylphenol	388	µg/kg	EPA R5 ESL
4-Chloroaniline	146.1	µg/kg	EPA R5 ESL
4-Chlorophenyl Phenyl Ether	—	—	—
4-Dimethylaminoazobenzene	318	µg/kg	EPA R5 ESL
4-Methylphenol (P-Cresol)	20.2	µg/kg	EPA R5 ESL
4-Nitroaniline	—	—	—
4-Nitrophenol	13.3	µg/kg	EPA R5 ESL
4-Nitroquinoline-N-Oxide	—	—	—
5-Nitro-Ortho-Toluidine	—	—	—
7,12-Dimethylbenz[A]Anthracene	6.64E+04	µg/kg	EPA R5 ESL
Acenaphthene	330	µg/kg	EPA R4 ESV
Acenaphthylene	330	µg/kg	EPA R4 ESV
Acetone	9.9	µg/kg	EPA R5 ESL
Acetonitrile	56	µg/kg	EPA R5 ESL
Acetophenone	—	—	—
Acrolein	0.00152	µg/kg	EPA R5 ESL
Acrylonitrile	1.2	µg/kg	EPA R5 ESL
Allyl Chloride	—	—	—
Aniline	0.31	µg/kg	EPA R5 ESL
Anthracene	330	µg/kg	EPA R4 ESV
Antimony	12	mg/kg	EPA R4 ESV
Arsenic	7.24	mg/kg	EPA R4 ESV
Barium	189	mg/kg	TX SQG
Benzene	142	µg/kg	EPA R5 ESL
Benzo(A)Anthracene	330	µg/kg	EPA R4 ESV
Benzo(B)Fluoranthene	1.04E+04	µg/kg	EPA R5 ESL
Benzo(G,H,I)Perylene	170	µg/kg	EPA R5 ESL
Benzo(K)Fluoranthene	240	µg/kg	EPA R5 ESL
Benzo[A]Pyrene	330	µg/kg	EPA R4 ESV
Benzyl Alcohol	1.04	µg/kg	EPA R5 ESL
Beryllium	—	—	—
Biphenyl	1220	µg/kg	EPA R3 BTAG
Bis(2-Chloroethoxy)Methane	—	—	—
Bis(2-Chloroethyl)Ether	3520	µg/kg	EPA R5 ESL
Bis(2-Chloroisopropyl)Ether	—	—	—
Bis(2-Ethylhexyl)Phthalate	182	µg/kg	EPA R4 ESV
Bromodichloromethane	—	—	—
Bromoform	492	µg/kg	EPA R5 ESL
Butyl Benzyl Phthalate	1970	µg/kg	EPA R5 ESL
Cadmium	1	mg/kg	EPA R4 ESV
Carbon Disulfide	23.9	µg/kg	EPA R5 ESL
Carbon Tetrachloride	1450	µg/kg	EPA R5 ESL
Chlorobenzene	291	µg/kg	EPA R5 ESL

Table 22
Ecological Screening Values (ESVs) for Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Reference ^a
Chlorobenzilate	860	µg/kg	EPA R5 ESL
Chlorodibromomethane	—	—	—
Chloroform	121	µg/kg	EPA R5 ESL
Chloroprene	—	—	—
Chromium	52.3	mg/kg	EPA R4 ESV
Chrysene	330	µg/kg	EPA R4 ESV
cis-1,2 Dichloroethene	654	µg/kg	EPA R5 ESL
cis-1,3-Dichloropropene	—	—	—
Cobalt (total)	50	mg/kg	EPA R5 ESL
Copper	18.7	mg/kg	EPA R4 ESV
Diallate	—	—	—
Dibenz(A,H)Anthracene	33	µg/kg	EPA R5 ESL
Dibenzofuran	449	µg/kg	EPA R5 ESL
Dichlorodifluoromethane	—	—	—
Diethyl Phthalate	295	µg/kg	EPA R5 ESL
Diethylene Glycol	270000	µg/kg	Dutch IV
Dimethoate	—	—	—
Dimethyl Phthalate	530	µg/kg	Washington MAEL
Di-N-Butyl Phthalate	1114	µg/kg	EPA R4 ESV
Diphenyl Ether	23600	µg/kg	DuPont ETC
Ethyl Chloride	—	—	—
Ethyl Methacrylate	—	—	—
Ethyl Methanesulfonate	—	—	—
Ethylbenzene	175	µg/kg	EPA R5 ESL
Ethylene Glycol	—	—	—
Fluoranthene	330	µg/kg	EPA R4 ESV
Fluorene	330	µg/kg	EPA R4 ESV
Hexachlorobenzene	20	µg/kg	EPA R5 ESL
Hexachlorobutadiene	26.5	µg/kg	EPA R5 ESL
Hexachlorocyclopentadiene	901	µg/kg	EPA R5 ESL
Hexachloroethane	584	µg/kg	EPA R5 ESL
Hexachloropropylene	—	—	—
Indeno (1,2,3-CD) Pyrene	200	µg/kg	EPA R5 ESL
Iodomethane	—	—	—
Iron	20000	mg/kg	EPA R3 BTAG
Isobutyl Alcohol	—	—	—
Isodrin	55.2	µg/kg	EPA R5 ESL
Isophorone	432	µg/kg	EPA R5 ESL
Isosafrole	—	—	—
Lead	30.2	mg/kg	EPA R4 ESV
Manganese	460	mg/kg	EPA R3 BTAG
Mercury	0.13	mg/kg	EPA R4 ESV
Methacrylonitrile	—	—	—
Methapyrilene	—	—	—
Methyl Bromide	1.37	µg/kg	EPA R5 ESL

Table 22
Ecological Screening Values (ESVs) for Sediment
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Reference ^a
Methyl Chloride	—	—	—
Methyl Ethyl Ketone	42.4	µg/kg	EPA R5 ESL
Methyl Isobutyl Ketone	25.1	µg/kg	EPA R5 ESL
Methyl Methacrylate	168	µg/kg	EPA R5 ESL
Methyl Methanesulfonate	—	—	—
Methylene Bromide	—	—	—
Methylene Chloride	159	µg/kg	EPA R5 ESL
Naphthalene	330	µg/kg	EPA R5 ESL
N-Dioctyl Phthalate	4.06E+04	µg/kg	EPA R5 ESL
Nickel	15.9	mg/kg	EPA R4 ESV
Nitrate	—	—	—
Nitrite	—	—	—
Nitrobenzene	145	µg/kg	EPA R5 ESL
N-Nitroso(Methyl)Ethylamine	—	—	—
N-Nitrosodiethylamine	22.8	µg/kg	EPA R5 ESL
N-Nitrosodimethylamine	—	—	—
N-Nitroso-Di-N-Butylamine	—	—	—
N-Nitrosodi-N-Propylamine	—	—	—
N-Nitrosodiphenylamine	2680	µg/kg	EPA R3 BTAG
N-Nitrosomorpholine	—	—	—
N-Nitrosopiperidine	—	—	—
N-Nitrosopyrrolidine	—	—	—
O,O,O-Triethylphosphorothioate	189	µg/kg	EPA R5 ESL
O-Toluidine	—	—	—
para-Phenylenediamine	—	—	—
Pentachlorobenzene	24	µg/kg	EPA R5 ESL
Pentachloroethane	689	µg/kg	EPA R5 ESL
Pentachloronitrobenzene	—	—	—
Pentachlorophenol	23000	µg/kg	EPA R5 ESL
Phenacetin	—	—	—
Phenanthrene	330	µg/kg	EPA R4 ESV
Phenol	49.1	µg/kg	EPA R5 ESL
Pronamide	—	—	—
Propionitrile	—	—	—
Propylene Glycol	—	—	—
Pyrene	195	µg/kg	EPA R5 ESL
Pyridine	106	µg/kg	EPA R5 ESL
Safrole	—	—	—
Selenium	2	mg/kg	EPA R3 BTAG
Silver	2	mg/kg	EPA R4 ESV
Styrene	254	µg/kg	EPA R5 ESL
Tetrachloroethene	990	µg/kg	EPA R5 ESL
Tetraethyl Dithiopyrophosphate	560	µg/kg	EPA R5 ESL
Thallium	—	—	—
Thionazin	—	—	—

Table 22
Ecological Screening Values (ESVs) for Sediment
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Analyte	ESV	Units	Reference ^a
Tin	0.048	mg/kg	Marine TEL
Toluene	1220	µg/kg	EPA R5 ESL
Total Organic Carbon	—	—	—
trans-1,2-Dichloroethene	—	—	—
trans-1,3-Dichloropropene	—	—	—
trans-1,4-Dichlorobutene-2	—	—	—
Trichloroethene	112	µg/kg	EPA R5 ESL
Trichlorofluoromethane	—	—	—
Triethylene Glycol	—	—	—
Vanadium	57	mg/kg	AET Marine
Vinyl Acetate	13	µg/kg	EPA R5 ESL
Vinyl Chloride	202	µg/kg	EPA R5 ESL
Xylenes (total)	433	µg/kg	EPA R5 ESL
Zinc	124	mg/kg	EPA R4 ESV
HMW PAHs	655	µg/kg	EPA R4 ESV
LMW PAHs	330	µg/kg	EPA R4 ESV
Total PAHs	1684	µg/kg	EPA R4 ESV

Notes:

µg/kg, microgram per kilogram; mg/kg, miligram per kilogram

^a - References used are as follows;

- EPA R5 ESL, EPA Region 5 Ecological Screening Levels (USEPA, 2003)
- EPA R4 ESV, EPA Region IV Ecological Screening Values (USEPA, 1995)
- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA, 2006)
- TX SQG, Texas Sediment Quality Guidelines (TNRCC, 2001)
- Dutch IV (Buchman, 2008)
- TEL, Threshold effects level (Buchman, 2008)
- AET Marine, Apparent effects threshold (Buchman, 2008)
- Washington MAEL, Washington Minor Adverse Effect Level (WDE, 2001)

- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).

Table 23
Step 1 Sediment Screening Results
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Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
Glycols	Diethylene Glycol	µg/kg	18	1	8200	8200	4733	270000	µg/kg	Dutch IV	0	Max < ESV
Glycols	Ethylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Glycols	Propylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Glycols	Triethylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Metals	Antimony	mg/kg	18	3	0.14	1.7	0.17	12	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Arsenic	mg/kg	18	18	0.22	5.21	1.43	7.24	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Barium	mg/kg	18	18	4.98	120	31.5	189	mg/kg	TX SQG	0	Max < ESV
Metals	Beryllium	mg/kg	18	18	0.08	2.62	0.67	—	—	—	—	No ESV
Metals	Cadmium	mg/kg	18	6	0.05	0.22	0.06	1	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Chromium	mg/kg	18	18	0.86	15.4	4.40	52.3	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Copper	mg/kg	18	18	0.74	11	3.42	18.7	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Iron	mg/kg	18	18	1860	72700	10654	20000	mg/kg	EPA R3 BTAG	1	Max > ESV
Metals	Lead	mg/kg	18	18	1.35	49.8	8.56	30.2	mg/kg	EPA R4 ESV	1	Max > ESV
Metals	Manganese	mg/kg	18	18	21	5760	554	460	mg/kg	EPA R3 BTAG	3	Max > ESV
Metals	Mercury	mg/kg	18	2	0.04	0.1	0.01	0.13	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Nickel	mg/kg	18	16	0.41	8.23	2.01	15.9	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Selenium	mg/kg	18	11	0.13	2.29	0.35	2	mg/kg	EPA R3 BTAG	1	Max > ESV
Metals	Silver	mg/kg	18	3	0.75	15.3	1.10	2	mg/kg	EPA R4 ESV	1	Max > ESV
Metals	Thallium	mg/kg	18	15	0.04	1.8	0.24	—	—	—	—	No ESV
Metals	Tin	mg/kg	18	18	1.60	6.4	2.96	—	—	—	—	No ESV
Metals	Vanadium	mg/kg	18	18	3.83	48.1	13.92	57	mg/kg	AET Marine	0	Max < ESV
Metals	Zinc	mg/kg	18	18	4.57	66.6	23.7	124	mg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	1,2,4,5-Tetrachlorobenzene	µg/kg	18	0	—	—	14.89	1252	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,2,4-Trichlorobenzene	µg/kg	18	0	—	—	14.89	5062	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,2-Dichlorobenzene	µg/kg	18	0	—	—	14.89	294	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,3,5-Trinitrobenzene	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	1,3-Dichlorobenzene	µg/kg	18	0	—	—	14.89	318	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,3-Dinitrobenzene	µg/kg	18	0	—	—	59.2	8.61	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Dichlorobenzene	µg/kg	18	0	—	—	14.89	1315	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Dioxane	µg/kg	18	0	—	—	88.1	119	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Naphthoquinone	µg/kg	18	0	—	—	739	—	—	—	—	Non-Detect
SVOCs	1-Naphthylamine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	2,3,4,6-Tetrachlorophenol	µg/kg	18	0	—	—	59.2	129	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4,5-Trichlorophenol	µg/kg	18	0	—	—	14.89	819	µg/kg	EPA R3 BTAG Marine	—	Non-Detect
SVOCs	2,4,6-Trichlorophenol	µg/kg	18	0	—	—	14.89	208	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dichlorophenol	µg/kg	18	0	—	—	14.89	81.7	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dimethylphenol	µg/kg	18	0	—	—	14.89	304	µg/kg	EPA R5 ESL	—	Non-Detect

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Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
SVOCs	2,4-Dinitrophenol	µg/kg	18	0	—	—	264	6.21	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dinitrotoluene	µg/kg	18	0	—	—	59.2	14.4	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,6-Dichlorophenol	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2,6-Dinitrotoluene	µg/kg	18	0	—	—	14.89	39.8	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Acetylaminofluorene	µg/kg	18	0	—	—	59.2	15.3	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Chloronaphthalene	µg/kg	18	0	—	—	6.25	417	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Chlorophenol	µg/kg	18	0	—	—	14.89	31.9	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Methylnaphthalene	µg/kg	18	3	6	34	6.08	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	2-Methylphenol (O-Cresol)	µg/kg	18	0	—	—	14.89	55.4	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Naphthylamine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	2-Nitroaniline	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2-Nitrophenol	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2-Picoline	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
SVOCs	3,3'-Dichlorobenzidine	µg/kg	18	0	—	—	88.1	127	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	3,3'-Dimethylbenzidine	µg/kg	18	0	—	—	445	—	—	—	—	Non-Detect
SVOCs	3-Methylcholanthrene	µg/kg	18	0	—	—	14.89	8190000	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	3-Nitroaniline	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	4,6-Dinitro-2-Methylphenol	µg/kg	18	0	—	—	148.9	104	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Aminobiphenyl	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	4-Bromophenyl Phenyl Ether	µg/kg	18	0	—	—	14.89	1550	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chloro-3-Methylphenol	µg/kg	18	0	—	—	14.89	388	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chloroaniline	µg/kg	18	0	—	—	14.89	146.1	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chlorophenyl Phenyl Ether	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	4-Dimethylaminoazobenzene	µg/kg	18	0	—	—	59.2	318	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Methylphenol (P-Cresol)	µg/kg	18	0	—	—	14.89	20.2	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Nitroaniline	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	4-Nitrophenol	µg/kg	18	0	—	—	148.9	13.3	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Nitroquinoline-N-Oxide	µg/kg	18	0	—	—	297	—	—	—	—	Non-Detect
SVOCs	5-Nitro-Ortho-Toluidine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	7,12-Dimethylbenz[A]Anthracene	µg/kg	18	0	—	—	14.89	66400	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Acenaphthene ^e	µg/kg	18	4	11	310	31.6	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	Acenaphthylene ^e	µg/kg	18	2	11	180	13.31	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	Acetophenone	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Aniline	µg/kg	18	0	—	—	148.89	0.31	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Anthracene ^e	µg/kg	18	5	6.0	1600	134.03	330	µg/kg	EPA R4 ESV	2	Max > ESV

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Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
SVOCs	Benzo(A)Anthracene ^e	µg/kg	18	11	5.0	3700	336	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Benzo(B)Fluoranthene ^e	µg/kg	18	12	7.0	3600	370	10400	µg/kg	EPA R5 ESL	0	Non-Detect
SVOCs	Benzo(G,H,I)Perylene ^e	µg/kg	18	11	5.0	1700	176	170	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Benzo(K)Fluoranthene ^e	µg/kg	18	10	5.0	1600	152	240	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Benzo(A)Pyrene ^e	µg/kg	18	12	6.0	2800	273	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Benzyl Alcohol	µg/kg	18	0			149	1.04	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Biphenyl	µg/kg	18	1	26	26	15.72	1220	µg/kg	EPA R3 BTAG	0	Max < ESV
SVOCs	Bis(2-Chloroethoxy)Methane	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Bis(2-Chloroethyl)Ether	µg/kg	18	0	—	—	14.89	3520	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Bis(2-Chloroisopropyl)Ether	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Bis(2-Ethylhexyl)Phthalate	µg/kg	18	0	—	—	59.2	182	µg/kg	EPA R4 ESV	—	Non-Detect
SVOCs	Butyl Benzyl Phthalate	µg/kg	18	0	—	—	59.2	1970	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Chlorobenzilate	µg/kg	18	0	—	—	29.7	860	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Chrysene ^e	µg/kg	18	11	7.0	3600	324	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Diallate	µg/kg	18	0	—	—	29.7	—	—	—	—	Non-Detect
SVOCs	Dibenz(A,H)Anthracene ^e	µg/kg	18	3	14	390	45.4	33	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Dibenzofuran	µg/kg	18	2	120	180	30.4	449	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	Diethyl Phthalate	µg/kg	18	0	—	—	59.2	295	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Dimethoate	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	Dimethyl Phthalate	µg/kg	18	0	—	—	59.2	530	µg/kg	Washington MAEL	—	Non-Detect
SVOCs	Di-N-Butyl Phthalate	µg/kg	18	0	—	—	59.2	1114	µg/kg	EPA R4 ESV	—	Non-Detect
SVOCs	Diphenyl Ether	µg/kg	18	2	96	700	56.3	23600	µg/kg	DuPont ETC	0	Max < ESV
SVOCs	Ethyl Methanesulfonate	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Fluoranthene ^e	µg/kg	18	13	6.0	7100	668	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Fluorene ^e	µg/kg	18	4	6.0	490	48.5	330	µg/kg	EPA R4 ESV	1	Max > ESV
SVOCs	Hexachlorobenzene	µg/kg	18	0	—	—	2.92	20	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachlorobutadiene	µg/kg	18	0	—	—	14.89	26.5	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachlorocyclopentadiene	µg/kg	18	0	—	—	148.9	901	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachloroethane	µg/kg	18	0	—	—	29.7	584	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachloropropylene	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
SVOCs	Indeno (1,2,3-CD) Pyrene ^e	µg/kg	18	9	5.0	1600	162.3	200	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Isodrin	µg/kg	18	0	—	—	14.89	55.2	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Isophorone	µg/kg	18	0	—	—	14.89	432	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Isosafrole	µg/kg	18	0	—	—	59.2	—	—	—		Non-Detect

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Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
SVOCs	Methapyrilene	µg/kg	18	0	—	—	1489	—	—	—	—	Non-Detect
SVOCs	Methyl Methanesulfonate	µg/kg	18	0	—	—	29.7	—	—	—	—	Non-Detect
SVOCs	Naphthalene	µg/kg	18	3	28	58	9.31	330	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	N-Dioctyl Phthalate	µg/kg	18	0	—	—	59.2	40600	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Nitrobenzene	µg/kg	18	0	—	—	14.89	145	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	N-Nitroso(Methyl)Ethylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodiethylamine	µg/kg	18	0	—	—	14.89	22.8	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	N-Nitrosodimethylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitroso-Di-N-Butylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodi-N-Propylamine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodiphenylamine	µg/kg	18	0	—	—	14.89	2680	µg/kg	EPA R3 BTAG	—	Non-Detect
SVOCs	N-Nitrosomorpholine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosopiperidine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	N-Nitrosopyrrolidine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	O,O,O-Triethylphosphorothioate	µg/kg	18	0	—	—	59.2	189	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	O-Toluidine	µg/kg	18	0	—	—	178.6	—	—	—	—	Non-Detect
SVOCs	para-Phenylenediamine	µg/kg	18	0	—	—	10389	—	—	—	—	Non-Detect
SVOCs	Pentachlorobenzene	µg/kg	18	0	—	—	14.89	24	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Pentachloronitrobenzene	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Pentachlorophenol	µg/kg	18	0	—	—	29.69	23000	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Phenacetin	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Phenanthrene ^e	µg/kg	18	11	7.0	5200	461.5	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Phenol	µg/kg	18	0	—	—	14.89	49.1	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Pronamide	µg/kg	18	0	—	—	29.7	—	—	—	—	Non-Detect
SVOCs	Pyrene ^e	µg/kg	18	13	5.0	5000	491	195	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Pyridine	µg/kg	18	0	—	—	59.2	106	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Safrole	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Tetraethyl Dithiopyrophosphate	µg/kg	18	0	—	—	59.2	560	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Thionazin	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
VOCs	1,1,1,2-Tetrachloroethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/kg	18	0	—	—	0.83	213	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2,2-Tetrachloroethane	µg/kg	18	0	—	—	0.83	850	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/kg	18	0	—	—	0.83	518	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/kg	18	1	9.0	9.0	1.139	0.575	µg/kg	EPA R5 ESL	1	Max > ESV
VOCs	1,1-Dichloroethene	µg/kg	18	1	8.0	8.0	1.083	19.4	µg/kg	EPA R5 ESL	0	Max < ESV

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VOCs	1,2,3-Trichloropropane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/kg	18	0	—	—	0.83	260	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,2-Dichloropropane	µg/kg	18	0	—	—	0.83	333	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/kg	18	0	—	—	2.58	58.2	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/kg	18	18	9.0	280	72.5	9.9	µg/kg	EPA R5 ESL	17	Max > ESV
VOCs	Acetonitrile	µg/kg	18	0	—	—	22.1	56	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/kg	18	0	—	—	17.75	0.00152	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acrylonitrile	µg/kg	18	0	—	—	3.53	1.2	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Benzene	µg/kg	18	0	—	—	0.43	142	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Bromodichloromethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Bromoform	µg/kg	18	0	—	—	0.83	492	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/kg	18	5	2.0	44	3.47	23.9	µg/kg	EPA R5 ESL	1	Max > ESV
VOCs	Carbon Tetrachloride	µg/kg	18	0	—	—	0.83	1450	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/kg	18	0	—	—	0.83	291	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chlorodibromomethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/kg	18	0	—	—	0.83	121	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/kg	18	1	9.0	9.0	1.139	654	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Ethyl Chloride	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Ethyl Methacrylate	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/kg	18	0	—	—	0.83	175	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Iodomethane	µg/kg	18	2	6.0	14.0	3.53	—	—	—	—	No ESV
VOCs	Isobutyl Alcohol	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/kg	18	0	—	—	4.39	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/kg	18	0	—	—	1.750	1.37	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/kg	18	3	11	27	5.75	42.4	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	Methyl Isobutyl Ketone	µg/kg	18	0	—	—	2.58	25.1	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Methacrylate	µg/kg	18	0	—	—	0.83	168	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methylene Bromide	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/kg	18	0	—	—	1.75	159	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Pentachloroethane	µg/kg	18	0	—	—	0.833	689	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/kg	18	0	—	—	26.3	—	—	—	—	Non-Detect

Table 23
Step 1 Sediment Screening Results
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance	Rationale
VOCs	Styrene	µg/kg	18	0	—	—	0.83	254	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Tetrachloroethene	µg/kg	18	0	—	—	0.83	990	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/kg	18	2	1.0	3.0	1.000	1220	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	trans-1,2-Dichloroethene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	trans-1,3-Dichloropropene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	trans-1,4-Dichlorobutene-2	µg/kg	18	0	—	—	8.81	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/kg	18	0	—	—	0.83	112	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Trichlorofluoromethane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Vinyl Acetate	µg/kg	18	0	—	—	1.750	13	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/kg	18	1	10	10	1.194	202	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	Total PAHs	µg/kg	18	—	32	19384	1860	1684	µg/kg	EPA R4 ESV	2	Max > ESV

Notes:

µg/kg, microgram per kilogram; mg/kg, milligram per kilogram; ESV, Ecological screening value; (S)VOCs, (Semi-)Volatile organic compounds

^a - Minimum of detected values

^b - Maximum of detected values

^c - Arithmetic mean of all data. Half of method detection limit used for non-detects.

^d - Sources used are as follows;

- EPA R5 ESL, EPA Region 5 Ecological Screening Levels (USEPA, 2003a)

- EPA R4 ESV, EPA Region IV Ecological Screening Values (USEPA, 1995)

- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA, 2006a)

- TX SQG, Texas Sediment Quality Guidelines (TNRCC, 2001)

- Dutch IV (Buchman, 2008)

- TEL, Threshold effects level (Buchman 2008)

- AET Marine, Apparent effects threshold (Buchman, 2008)

- Washington MAEL, Washington Minor Adverse Effect Level (WDE, 2001)

Yellow - COPECS identified based on Max > ESV

Green - COPECS identified based on detects and No ESV

^e - Evaluated as a mixture [Total Polycyclic Aromatic Hydrocarbons (PAHs)]

Table 24
Step 2 Refinement of Surface Water Evaluation
 Remedial Investigation Report
 Former DuPont Brevard Facility
 Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance Frequency	HQ _{Mean}	Comments
Metals	Iron	mg/L	17	17	1.98E-01	1.47E+01	1.52E+00	1.00E+00	mg/L	NC2B Standards	17.6% (3/17)	1.52	Limited Exceedance (3/17), Limited Bioavailability, and Background Contribution
Metals	Manganese	mg/L	17	17	2.70E-03	6.88E+00	5.20E-01	1.20E-01	mg/L	EPA R3 BTAG	29.4% (5/17)	4.33	Background Contribution and Over-protective ESV

Notes:

mg/L - milligram per liter; ESV - ecological screening value; SVOCs - semi-volatile organic compounds

^a - Minimum of detected values

^b - Maximum of detected values

^c - Arithmetic mean of all data. Half of method detection limit used for non-detects.

^d - Sources used are as follows;

- NC2B Standards (NCDENR 2007)

- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group (EPA 2006)

- HQ_{MEAN} = Mean Detected Concentration/ESV

Table 25
Step 2 Refinement of Sediment Evaluation
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min ^a	Max ^b	Mean ^c	ESV	Units	Reference ^d	Exceedance Frequency	HQ _{Mean}	Comments
Metals	Beryllium	mg/kg	18	18	0.08	2.62	0.67	—	—	—	—	—	No ESV, but Comparable to Background
Metals	Iron	mg/kg	18	18	1860	72700	10654	20000	mg/kg	EPA R3 BTAG	5.5% (1/18)	0.5	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Lead	mg/kg	18	18	1.35	49.8	8.56	35.8*	mg/kg	TCEQ 2014	5.5% (1/18)	0.2	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Manganese	mg/kg	18	18	21	5760	554	460	mg/kg	EPA R3 BTAG	16.7% (3/18)	1.2	Limited Exceedance (3/18) and Limited Bioavailability
Metals	Selenium	mg/kg	18	11	0.13	2.29	0.35	2	mg/kg	EPA R3 BTAG	5.5% (1/18)	0.2	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Silver	mg/kg	18	3	0.75	15.3	1.10	2	mg/kg	EPA R4 ESV	5.5% (1/18)	0.5	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Thallium	mg/kg	18	15	0.04	1.8	0.24	—	—	—	—	—	No ESV, but Comparable to Background
Metals	Tin	mg/kg	18	18	1.6	6.4	2.96	—	—	—	—	—	No ESV, but Comparable to Background
VOCs	1,1-Dichloroethane	µg/kg	18	1	9.0	9	1.139	2570*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Acetone	µg/kg	18	18	9.0	280	72.5	60003*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Carbon Disulfide	µg/kg	18	5	2.0	44	3.47	105*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Iodomethane	µg/kg	18	2	6.0	14	3.53	—	—	—	—	—	No ESV, but Limited Detection
SVOCs	Total PAHs	µg/kg	18	—	32.0	19384	1860	1684	µg/kg	EPA R4 ESV	11.1% (2/18)	1.1	Limited Exceedance

Notes:

µg/kg - microgram per kilogram; mg/kg - milligram per kilogram; ESV - ecological screening value; (S)VOCs - (semi-)volatile organic compounds

^a - Minimum of detected values

^b - Maximum of detected values

^c - Arithmetic mean of all data. Half of method detection limit used for non-detects.

^d - Sources used are as follows;

- EPA R4 ESV, EPA Region IV Ecological Screening Values (EPA 2001)

- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA 2006)

- TEL, Threshold effects level (Buchman 2008)

- TCEQ, Texas Commission for Environmental Quality (TCEQ 2014)

* - Alternate ESVs identified for Step 2 Refinement

- HQ_{MEAN} = Mean Detected Concentration/ESV

Table 26
Comparison of Groundwater Concentrations to ACLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Groundwater COPCs ¹	CAS No.	Surficial Aquifer	WSW	Bedrock	ACL (ug/L) ²	Site-Wide Max Detect (ug/L) ³	Perimeter Max Detect (ug/L) ⁴
<i>Volatile Organic Compounds</i>							
1,1,2,2-Tetrachloroethane	79-34-5	X			2.00E+03	1.40E+00	9.00E-01
1,1,2-Trichloroethane	79-00-5	X			8.00E+03	9.00E-01	ND
1,2-Dichloroethane	107-06-2	X			1.85E+04	1.30E+00	3.00E-01
Benzene	71-43-2	X			2.55E+04	5.00E-01	5.00E-01
Carbon Tetrachloride	56-23-5	X			8.00E+02	6.00E-01	6.00E-01
Chloroform	67-66-3		X		1.40E+04	4.90E+00	4.90E+00
cis-1,2 Dichloroethene	156-59-2	X			2.95E+05	1.10E+02	2.60E+00
Tetrachloroethene	127-18-4	X		X	1.65E+03	8.70E+01	4.30E+00
Trichloroethene	79-01-6	X	X	X	1.50E+04	2.90E+01	2.90E+01
Vinyl Chloride	75-01-4	X	X		1.20E+03	1.20E+02	1.60E+00
<i>Semivolatile Organic Compounds</i>							
1,4-Dioxane	123-91-1	X		X	4.00E+04	1.30E+01	1.30E+01
<i>Dowtherm Constituents</i>							
Biphenyl	92-52-4	X			6.94E+03	1.10E+03	6.70E+01
Diphenyl Ether	101-84-8	X			1.60E+04	3.10E+03	2.00E+02
<i>Inorganics</i>							
Antimony	7440-36-0		X		1.50E+04	4.00E-01	ND
Arsenic	7440-38-2	X			5.00E+03	3.30E+00	1.50E-03
Beryllium	7440-41-7	X			3.25E+03	2.10E+00	1.90E-03
Cadmium	7440-43-9	X			2.00E+02	1.80E+00	1.80E-03
Chromium	7440-47-3	X			2.50E+04	1.45E+01	1.45E-02
Cobalt	7440-48-4	X			2.00E+03	2.63E+01	2.63E-02
Iron	7439-89-6	X	X	X	5.00E+05	8.65E+04	5.56E+01
Lead	7439-92-1	X		X	7.50E+03	6.30E+00	3.20E-03
Manganese	7439-96-5	X		X	6.00E+04	8.24E+03	7.36E+00
Vanadium	7440-62-2	X	X		1.00E+04	7.80E+00	5.90E-03

COPC = Constituent of Potential Concern

ACL = Alternate Concentration Limit

ND = Not detected

Notes:

1 - Constituents identified as COPCs for ACL derivation (URS, 2014). Aquifer designation shown based on historic screening presented in URS, 2014.

2 - Proposed ACL is the limiting water quality criterion with an applied attenuation factor of 500; with the exception of values in excess of solubility, which are set at the solubility limit.

3 - Site-wide maximum detected concentration during 2014-2015 monitoring events.

4 - Surficial and bedrock aquifer perimeter monitoring wells (BR-1, BR-3, BR-5, BR-9, BR-11, MW104A/B, MW105, MW106A/B, MW107A/B, MW108, MW111A/B, MW112A/B, MW207A/B, MW210A/B, MW213, MW214, MW215, MW301A/B, MW302A/B, R87-S8, R87-S9 and R87-S10) .

Table 27
Comparison of Soil Protection of Migration RLs to Site Data
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	RL (mg/kg) ²	Maximum Detect (mg/kg) ³	No. of Samples	No. of Detects Above RL ³	Associated Unit(s) ³	Unit Distance to Little River (Feet) ⁴	Detected in POC Monitoring Wells Above ACLs? ⁵	Detected in Little River or DERA Creek Pore Water Above NC 2B? ⁶	Detected in Little River or DERA Creek Surface Water Above NC 2B? ⁷
<i>Volatile Organic Compounds</i>									
1,1,2,2-Tetrachloroethane	1.18E+01	2.20E+02	96	4	SWMUs 13, 16	900 (SWMU 16)	No	No	No
1,1,2-Trichloroethane	4.22E+01	3.60E+00	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
1,2-Dichloroethane	9.02E+01	5.50E-01	96	0	SWMU 13	1680 (SWMU 13)	No	No	No
Benzene	1.86E+02	2.10E+00	96	0	No release to gw indicated	-	No	No	No
cis-1,2 Dichloroethene	1.50E+03	1.00E+02	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Tetrachloroethene	1.18E+01	6.80E+01	96	3	SWMU 16	900 (SWMU 16)	No	No	No
Trichloroethene	8.87E+01	7.10E+01	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Vinyl Chloride	7.69E+00	1.00E-03	96	0	-	-	No	No	No
<i>Dowtherm Constituents</i>									
Biphenyl	7.40E+02	5.10E+03	72	3	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Diphenyl Ether	8.96E+02	1.30E+04	72	6	SWMUs 13, 16; AOCs I and J	Varies	No	No	No

Notes:

mg/kg³ - milligram(s) per kilogram, RL - reporting limit

1 - COPCs identified in Table 11.

2 - RL for Protection of Migration to Groundwater (URS, 2014)

3 - Detects in surface, subsurface soil and waste material above RLs. SWMU 17 data excluded from the evaluation.

4 - Distance measured from unit to Little River. With exception of SWMU 18, groundwater flows from these units towards Little River. SWMU 18 is cross-gradient to DERA Creek.

5 - Groundwater comparison detailed in Table 26.

6 - Pore water data provided in Table 20.

7 - Surface water data provided in Table 17.

Table 28
Summary of Soil Direct Contact Remedial Levels
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Surface Soil Direct Contact Remedial Levels (RLs)

Analyte	CAS No.	Units	Target Risk 1 x 10 ⁻⁶ , HQ=1				Target Risk 1 x 10 ⁻⁵ , HQ=1				Target Risk 1 x 10 ⁻⁴ , HQ=1			
			Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)	Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)	Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)
Antimony	7440-36-0	mg/kg	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02
Cobalt	7440-48-4	mg/kg	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02
Silver	7440-22-4	mg/kg	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03
Thallium	7440-28-0	mg/kg	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01
Vanadium	7440-62-2	mg/kg	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03
3-Methylcholanthrene	56-49-5	mg/kg	1.46E-01	1.21E+00	8.56E-01	7.02E-02	1.46E+00	1.21E+01	8.56E+00	7.02E-01	1.46E+01	1.21E+02	8.56E+01	7.02E+00
7,12-Dimethylbenz[A]Anthracene	57-97-6	mg/kg	1.18E-02	9.24E-02	7.03E-02	5.79E-03	1.18E-01	9.24E-01	7.03E-01	5.79E-02	1.18E+00	9.24E+00	7.03E+00	5.79E-01
Benzo(a)anthracene	56-55-3	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(b)fluoranthene	205-99-2	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(k)fluoranthene	207-08-9	mg/kg	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03
Benzo[a]pyrene	50-32-8	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Biphenyl	92-52-4	mg/kg	2.99E+02	3.82E+02	3.10E+03	1.13E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03
Chrysene	218-01-9	mg/kg	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03	4.04E+04	3.16E+05	2.41E+05	1.98E+04
Dibenz(a,h)anthracene	53-70-3	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Indeno (1,2,3-CD) Pyrene	193-39-5	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Naphthalene	91-20-3	mg/kg	2.50E+01	9.97E+01	4.50E+02	1.60E+02	2.50E+02	9.97E+02	4.50E+03	1.60E+03	8.73E+02	1.14E+03	1.45E+04	4.32E+03
PCB 1242	53469-21-9	mg/kg	1.43E+00	1.11E+01	8.59E+00	3.16E+00	1.43E+01	*	8.59E+01	3.16E+01	*	*	*	*

*Consistent with TSCA self-implementing cleanup as defined in 40 CFR 761.61(a)4 , calculated risk-based concentrations in excess of 100 mg/kg were not considered

Table 28
Summary of Soil Direct Contact Remedial Levels
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Subsurface Soil Direct Contact Remedial Levels (RLs)

Analyte	CAS No.	Units	Target Risk	Target Risk	Target Risk
			1 x 10 ⁻⁶ , HQ=1 Utility Worker	1 x 10 ⁻⁵ , HQ=1 Utility Worker	1 x 10 ⁻⁴ , HQ=1 Utility Worker
Antimony	7440-36-0	mg/kg	3.54E+03	3.54E+03	3.54E+03
Arsenic	7440-38-2	mg/kg	2.38E+01	2.38E+02	2.38E+03
Cobalt	7440-48-4	mg/kg	2.65E+03	2.65E+03	2.65E+03
Nickel	7440-02-0	mg/kg	1.00E+05	1.00E+05	1.00E+05
Silver	7440-22-4	mg/kg	4.42E+04	4.42E+04	4.42E+04
Thallium	7440-28-0	mg/kg	8.85E+01	8.85E+01	8.85E+01
Vanadium	7440-62-2	mg/kg	4.41E+04	4.41E+04	4.41E+04
Zinc	7440-66-6	mg/kg	1.00E+05	1.00E+05	1.00E+05
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	5.08E+01	5.08E+02	5.08E+03
1,1,2-Trichloroethane	79-00-5	mg/kg	1.11E+02	1.69E+02	1.69E+02
1,2-Dichloroethane	107-06-2	mg/kg	4.78E+01	4.78E+02	3.52E+03
1,2-Diphenylhydrazine	122-66-7	mg/kg	2.35E+01	2.35E+02	2.35E+03
1-Methylnaphthalene	90-12-0	mg/kg	6.06E+02	6.06E+03	6.06E+04
2-Methylnaphthalene	91-57-6	mg/kg	2.51E+04	2.51E+04	2.51E+04
Benzene	71-43-2	mg/kg	1.12E+02	1.12E+03	9.25E+03
Benzo(a)anthracene	56-55-3	mg/kg	2.41E+01	2.41E+02	2.41E+03
Benzo(b)fluoranthene	205-99-2	mg/kg	2.41E+01	2.41E+02	2.41E+03
Benzo[a]pyrene	50-32-8	mg/kg	2.41E+00	2.41E+01	2.41E+02
Biphenyl	92-52-4	mg/kg	3.10E+03	5.38E+03	5.38E+03
cis-1,2-Dichloroethene	156-59-2	mg/kg	1.77E+04	1.77E+04	1.77E+04
Dibenzofuran	132-64-9	mg/kg	8.85E+03	8.85E+03	8.85E+03
Diphenyl Ether	101-84-8	mg/kg	1.00E+05	1.00E+05	1.00E+05
Ethylbenzene	100-41-4	mg/kg	5.62E+02	5.62E+03	5.62E+04
Naphthalene	91-20-3	mg/kg	4.50E+02	4.50E+03	1.45E+04
Tetrachloroethene	127-18-4	mg/kg	2.38E+03	9.17E+03	9.17E+03
Trichloroethene	79-0-16	mg/kg	1.34E+02	4.66E+02	4.66E+02

** - A non-risk-based "ceiling limit" concentration of 10⁵ mg/kg

Notes:

The RL shown for each receptor is the lower of the carcinogenic and non-carcinogenic values.

HQ = Hazard Quotient

mg/kg - milligrams per kilogram

Table 29
Comparison of Surface Soil Data to Direct Contact RLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	Discrete Surface Soil Samples ¹				Min RL (mg/kg)	Max RL (mg/kg)	Max Detect > Min RL	Max Detect > Max RL	No. of Units Above Low End RL Range	95% UCL (mg/kg)	95% UCL > Low End RL Range	Min RL (mg/kg)	Max RL (mg/kg)	Max Detect > Min RL	Max Detect > Max RL	No. of Units Above Mid RL Range	95% UCL Above Mid RL Range
	No. of Samples	No. of Detects	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	(HQ=1, 10 ⁻⁶ Risk)*							(HQ=1, 10 ⁻⁵ Risk)*					
Antimony	90	36	4.34E-01	1.48E+01	4.06E+02	3.54E+03	No	No	0			-	-	-	-	-	-
Cobalt	90	90	1.73E+00	2.22E+01	3.04E+02	2.65E+03	No	No	0			-	-	-	-	-	-
Silver	105	45	4.54E-01	5.67E+02	5.07E+03	4.42E+04	No	No	0			-	-	-	-	-	-
Thallium	90	74	2.68E-01	4.93E+00	1.01E+01	8.85E+01	No	No	0			-	-	-	-	-	-
Vanadium	90	90	9.19E+00	8.91E+02	5.07E+03	4.41E+04	No	No	0			-	-	-	-	-	-
3-Methylcholanthrene	78	8	1.50E-01	1.62E+00	7.02E-02	1.21E+00	Yes	Yes	2 (FMA, SWMU 16)	1.17E-01	No	7.02E-01	1.21E+01	Yes	No	0	-
7,12-Dimethylbenz[A]Anthracene	78	2	3.90E-02	5.70E+00	5.79E-03	9.24E-02	Yes	Yes	2 (FMA, AOC A)	NC	No (See Note)	5.79E-02	9.24E-01	Yes	Yes	1 (AOC A)	No (See Note) (2)
Benzo(a)anthracene	83	59	5.60E-02	8.00E+01	1.98E+00	3.16E+01	Yes	Yes	2 (FMA, SWMU 16)	7.68E+00	No	1.98E+01	3.16E+02	Yes	No	0	-
Benzo(b)fluoranthene	82	63	6.60E-02	8.30E+01	1.98E+00	3.16E+01	Yes	Yes	2 (FMA, SWMU 16)	8.12E+00	No	1.98E+01	3.16E+02	Yes	No	0	-
Benzo(k)fluoranthene	83	58	8.90E-02	3.25E+01	1.98E+01	3.16E+02	Yes	No	0	NC	-	-	-	-	-	-	-
Benzo[a]pyrene	83	63	5.40E-02	5.90E+01	1.98E-01	3.16E+00	Yes	Yes	4 (FMA, AOC A, SWMUs 15 and 16)	6.04E+00	Yes	1.98E+00	3.16E+01	Yes	Yes	1 (SWMU 16)	No (3)
Biphenyl	76	21	6.90E-02	1.71E+02	2.99E+02	3.10E+03	No	No	0			-	-	-	-	-	-
Chrysene	83	61	5.10E-02	7.40E+01	1.98E+02	3.16E+03	No	No	0			-	-	-	-	-	-
Dibenz(a,h)anthracene	83	47	6.50E-02	7.70E+00	1.98E-01	3.16E+00	Yes	Yes	2 (FMA, SWMU 16)	8.66E-01	No	1.98E+00	3.16E+01	Yes	No	0	-
Indeno (1,2,3-CD) Pyrene	83	60	8.60E-02	2.60E+01	1.98E+00	3.16E+01	Yes	No	0	NC		-	-	-	-	-	-
Naphthalene	83	27	6.80E-02	3.53E+01	2.50E+01	4.50E+02	Yes	No	0	NC		-	-	-	-	-	-
PCB 1242	8	0	ND	ND	1.43E+00	1.11E+01	-	-	-			-	-	-	-	-	-

(1) Discrete historical RFI soil samples and 2014 soil samples. 2014 data from SWMU 14 excluded from the UCL calculation.

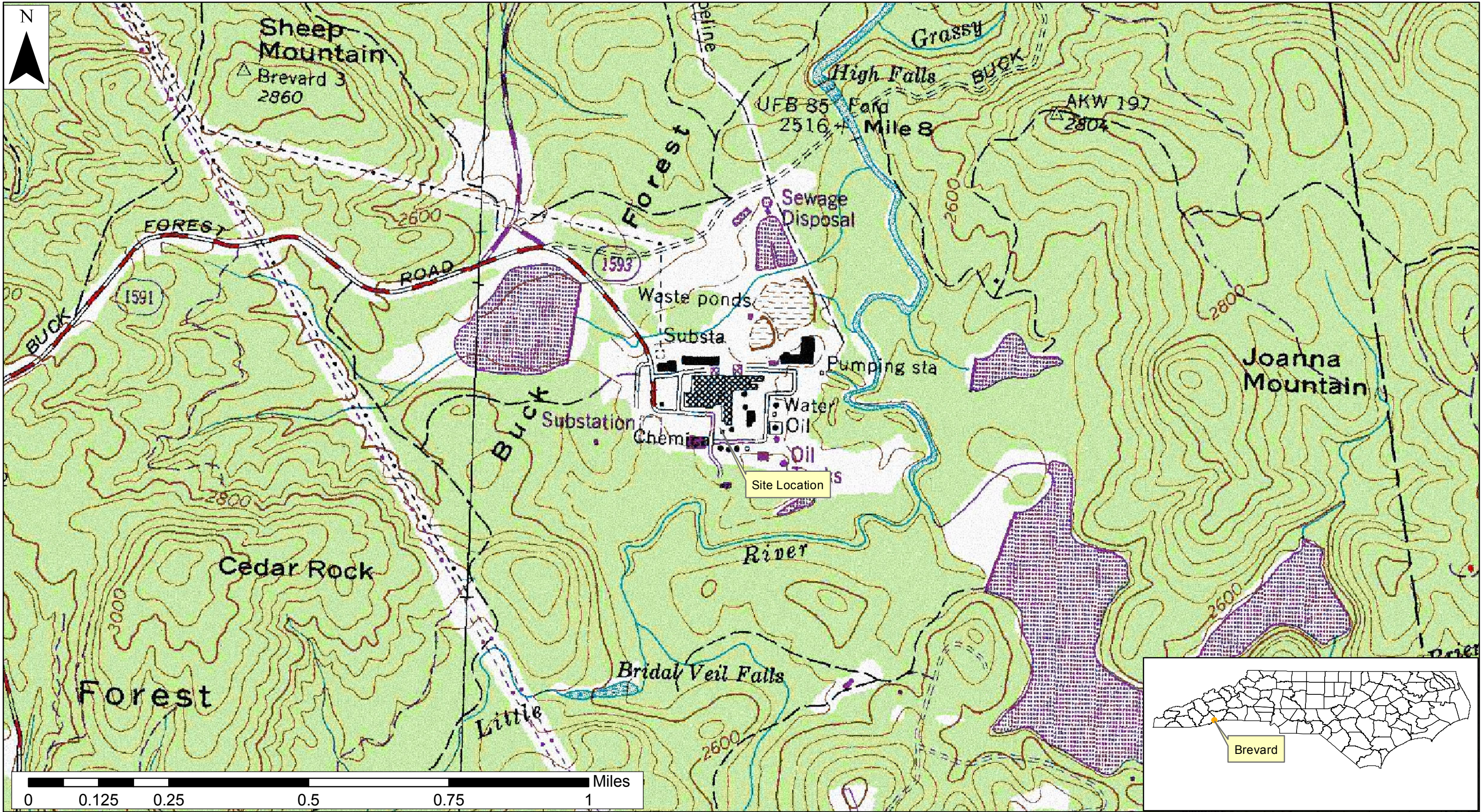
(2) Exceed limited to one historic soil sample at AOC A. COPC ND in 2014 ISM sampling (see DU-8).

(3) SWMU 16 exceed limited to one historic waste sample at a depth of 1-5 ft bgs. No exceeds of the lowest RLs noted in 2014 samples.

Table 29
Comparison of Surface Soil Data to Direct Contact RLs
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ISM Samples				Min RL (mg/kg)	Max RL (mg/kg)	95% UCL > Min RL	95% UCL > Max RL	No. of Decision Units Above Low End RL Range	Min RL (mg/kg)	Max RL (mg/kg)	95% UCL > Min RL	95% UCL > Max RL	No. of Decision Units Above Mid RL Range
	No. of ISM Decision Units	No. of Decision Units with Detects	Minimum 95% UCL (mg/kg)	Maximum 95% UCL (mg/kg)	(HQ=1, 10 ⁻⁶ Risk)*					(HQ=1, 10 ⁻⁵ Risk)*				
Antimony	10	9	2.55E-01	2.12E+01	4.06E+02	3.54E+03	No	No	0	-	-	-	-	-
Cobalt	10	10	1.98E+00	5.43E+00	3.04E+02	2.65E+03	No	No	0	-	-	-	-	-
Silver	10	7	1.24E+00	2.25E+02	5.07E+03	4.42E+04	No	No	0	-	-	-	-	-
Thallium	10	10	2.93E-01	1.28E+00	1.01E+01	8.85E+01	No	No	0	-	-	-	-	-
Vanadium	10	10	1.70E+01	3.64E+01	5.07E+03	4.41E+04	No	No	0	-	-	-	-	-
3-Methylcholanthrene	10	2	1.14E-01	2.60E-01	7.02E-02	1.21E+00	Yes	No	0	-	-	-	-	-
7,12-Dimethylbenz[A]Anthracene	10	0	ND	ND	5.79E-03	9.24E-02	-	-	-	-	-	-	-	-
Benzo(a)anthracene	10	10	2.76E-02	2.55E+01	1.98E+00	3.16E+01	Yes	No	0	-	-	-	-	-
Benzo(b)fluoranthene	10	10	4.24E-02	2.90E+01	1.98E+00	3.16E+01	Yes	No	0	-	-	-	-	-
Benzo(k)fluoranthene	10	10	1.56E-02	1.08E+01	1.98E+01	3.16E+02	No	No	0	-	-	-	-	-
Benzo[a]pyrene	10	10	2.76E-02	2.09E+01	1.98E-01	3.16E+00	Yes	Yes	2 (DU-6, DU-8)	1.98E+00	3.16E+01	Yes	No	0
Biphenyl	10	5	3.27E-02	1.52E+00	2.99E+02	3.10E+03	No	No	0	-	-	-	-	-
Chrysene	10	10	3.42E-02	2.24E+01	1.98E+02	3.16E+03	No	No	0	-	-	-	-	-
Dibenz(a,h)anthracene	10	10	8.91E-03	3.18E+00	1.98E-01	3.16E+00	Yes	Yes	1 (DU-6)	1.98E+00	3.16E+01	Yes	No	0
Indeno (1,2,3-CD) Pyrene	10	10	2.08E-02	1.27E+01	1.98E+00	3.16E+01	Yes	No	0	-	-	-	-	-
Naphthalene	10	9	1.09E-02	9.80E+00	2.50E+01	4.50E+02	No	No	0	-	-	-	-	-
PCB 1242	10	1	5.18E+00	5.18E+00	1.43E+00	1.11E+01	Yes	No	0	-	-	-	-	-

FIGURES



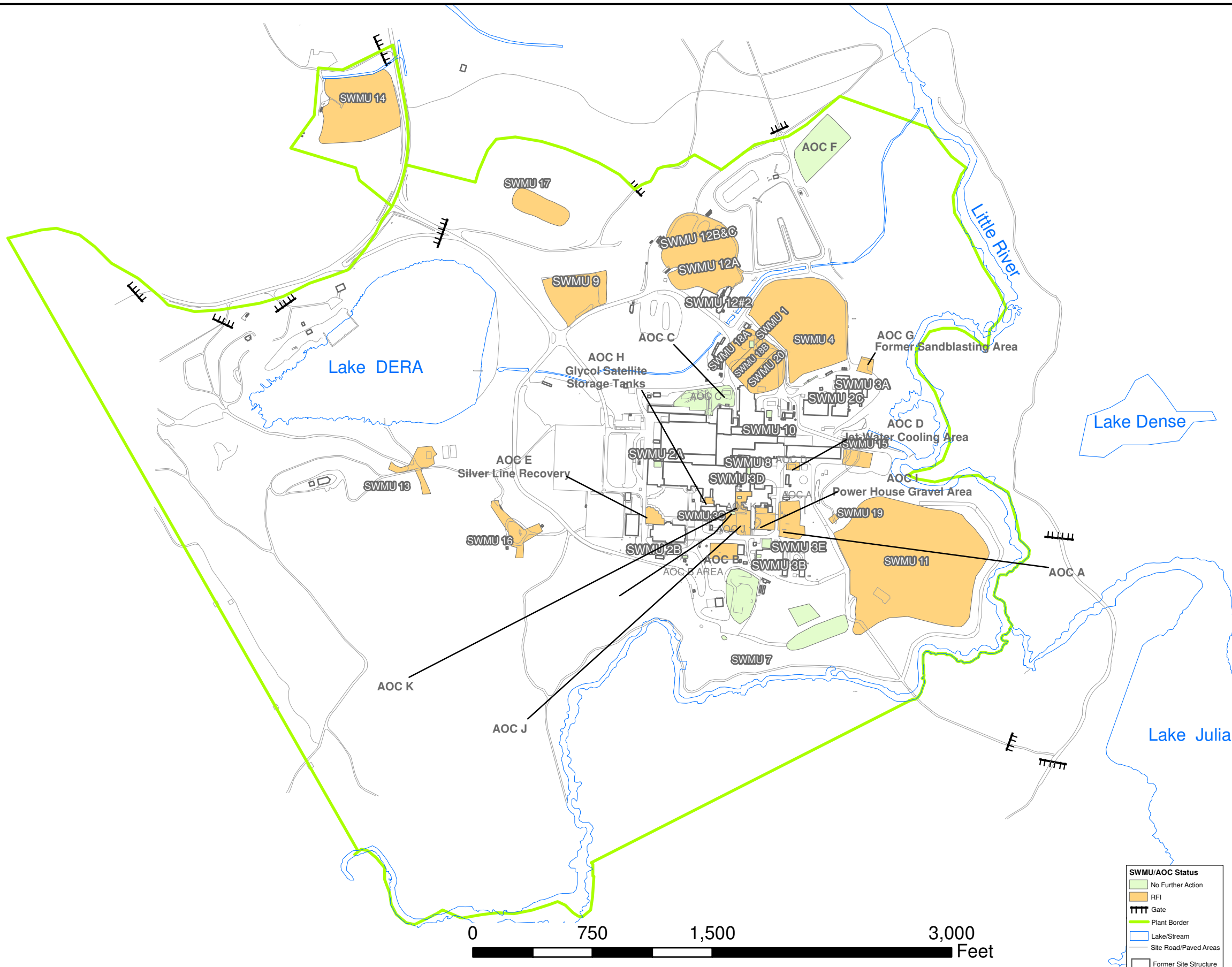
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Topographic Site Location Map
 Remedial Investigation Report
 DuPont Brevard Facility
 Cedar Mountain, North Carolina

Created:	C. ONeal	DuPont Project Number: 4406
Date:	4/23/2015	Parsons Project Number: 447499.01020
Revision:	1	Figure Number: 1
File Name:	Bre_Topo_Site_LocFig1	

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SWMU/AOC	Description	Status
SWMU 1	Hazardous Waste Storage Pad	NFA
SWMU 2A	HW Satellite Accumulation Area	NFA
SWMU 2B	HW Satellite Accumulation Area	NFA
SWMU 2C	HW Satellite Accumulation Area	RFI
SWMU 3A	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3B	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3C	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3D	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3E	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 4	WWTP - Aeration/settling basins, Emergency Diversion Basin, Secondary Clarifier, Polishing Pond	RFI
SWMU 5	Process Sewer System-Site Wide	RFI
SWMU 6	Storm Sewer System-Site Wide	RFI
SWMU 7	AFB Settling Basin	NFA
SWMU 8	PET Recycle Storage Area	NFA
SWMU 9	Former Silver Recovery Drying Bed	RFI
SWMU 10	Former Sedimentation Basin	NFA
SWMU 11	Former East Landfill	RFI
SWMU 12A-C	Former North Landfill	RFI
SWMU 13	Former Disposal Area - Tennis Courts	RFI
SWMU 14	Former Disposal Area 4 - West Landfill	RFI
SWMU 15	Former Silicon Disposal Area	RFI
SWMU 16	Former Disposal Area 6 - Equipment Sludge Disposal	RFI
SWMU 17	Former Power Hill Disposal Area	RFI
SWMU 18A & B	Former Disposal Area 8 - Evaporation Basin	RFI
SWMU 19	Former Disposal Area #12 - Digester Sludge Disposal Area	RFI
SWMU 20	Former WWTP Settling Pond	RFI
AOC A	Fuel Oil Tank Farm	RFI
AOC B	CP Tank Farm	RFI
AOC C	Save All System - Silver recovery unit	NFA
AOC D	Jet Water Cooling Tower	RFI
AOC E	Silver Recovery Transfer Line	RFI
AOC F	Construction and Demolition Disposal Area	NFA
AOC G	Former Sand Blasting Area	RFI
AOC H	Glycol Satellite Storage Tanks	RFI
AOC I	Powerhouse Gravel Area	RFI
AOC J	Dowtherm Vaporizers Area	RFI
AOC K	Glycol Hot Well Area	RFI

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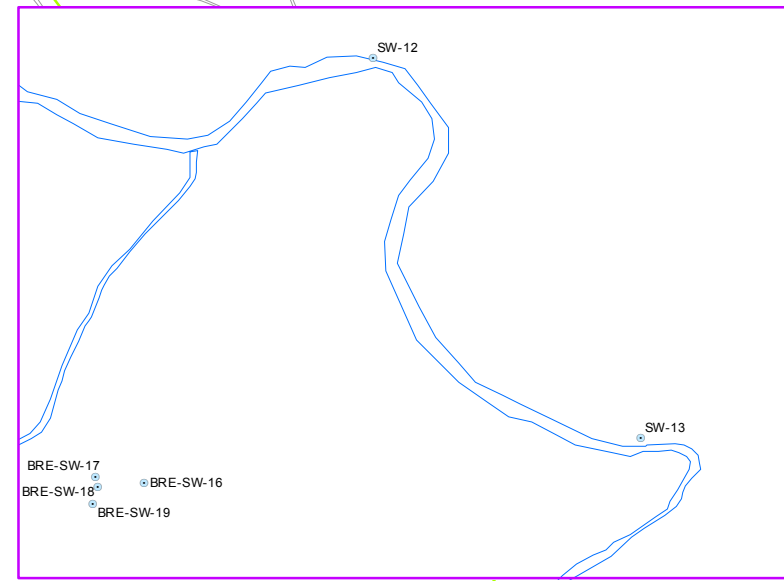
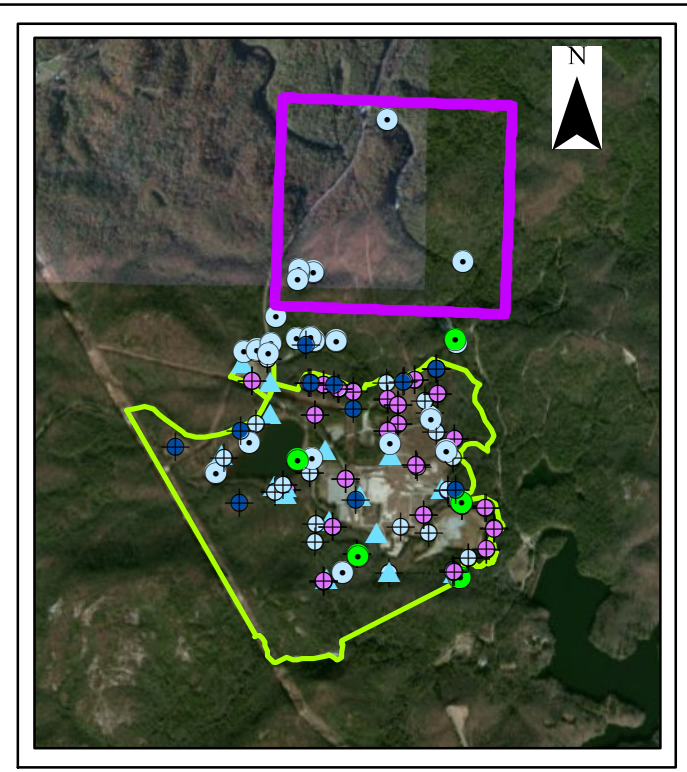
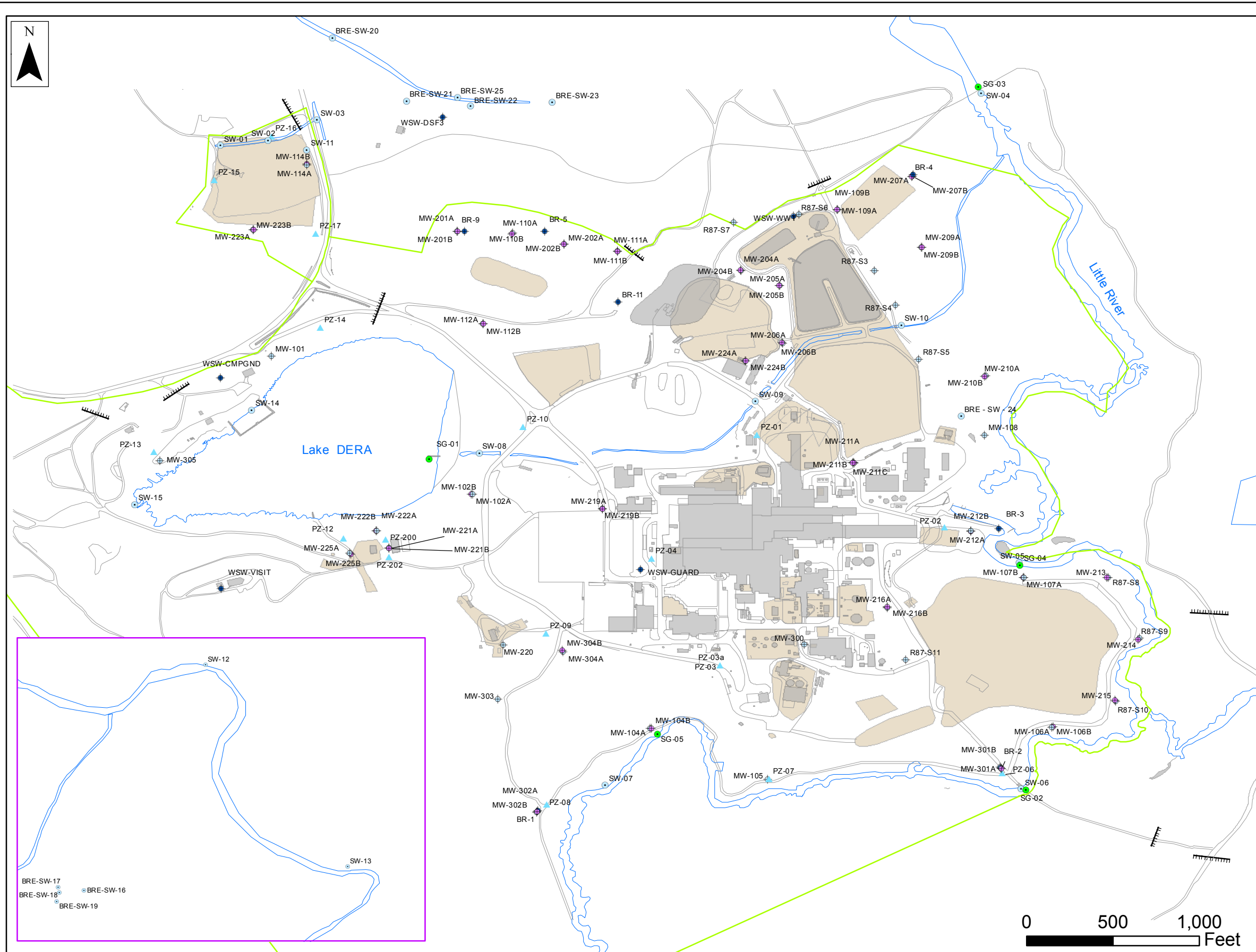


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Site Layout Map with SWMUs and AOCs
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 4/23/2015	DuPont Project No: 4423
Revision:	Figure: 2	Parsons Project No: 447499.01020
File Name: Bre_Site_Layout		

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	Bedrock Well
	Residuum Deep Well
	Piezometer
	Residuum Shallow Well
	Staff Gauge
	Surface Water
	Site Road
	Pavement/Curb
	Gate
	Plant Border
	Lake/Stream
	Former Site Structure
	SWMU

Aerial Imagery Date: 2006
Water Supply Wells are prefixed by WSW

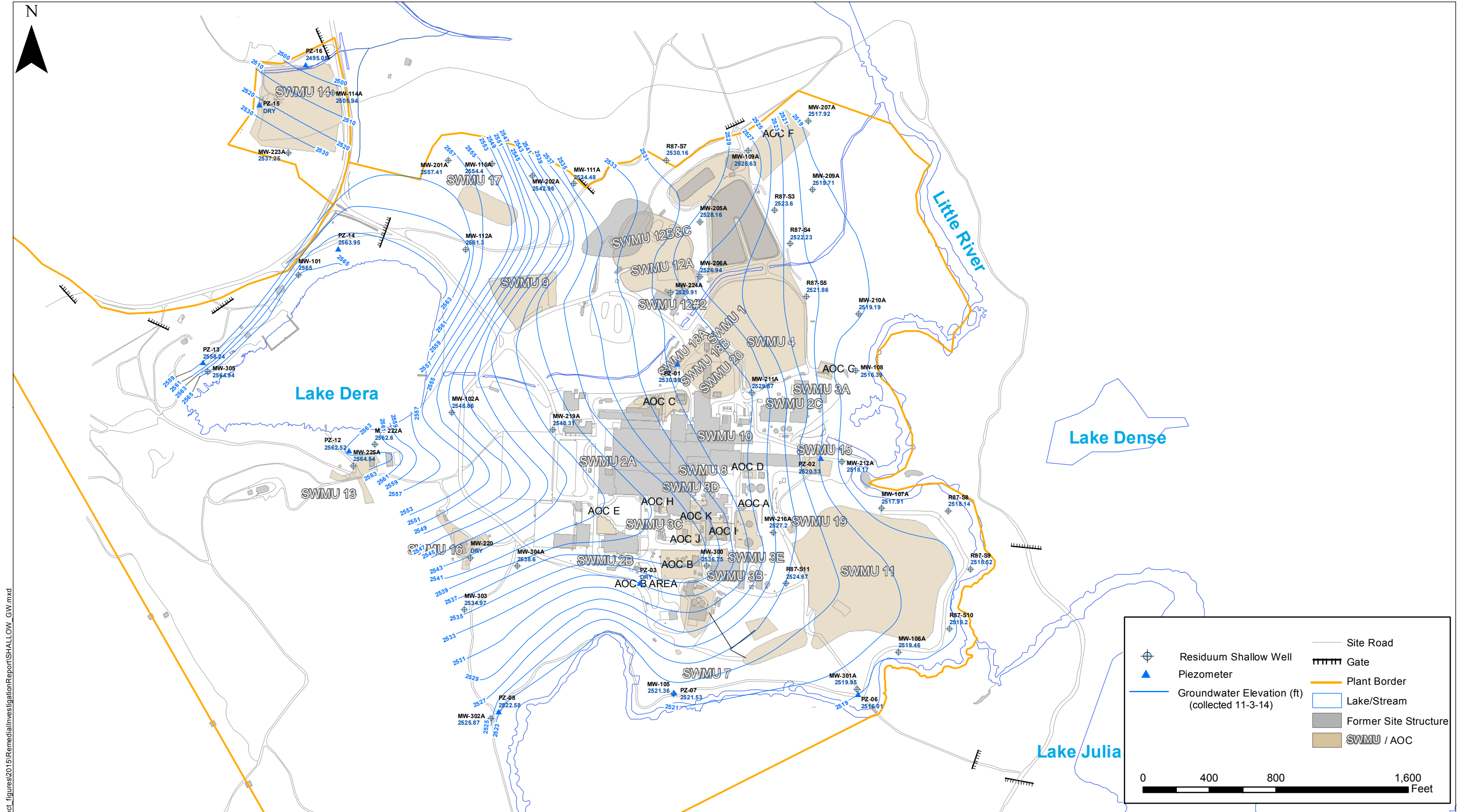
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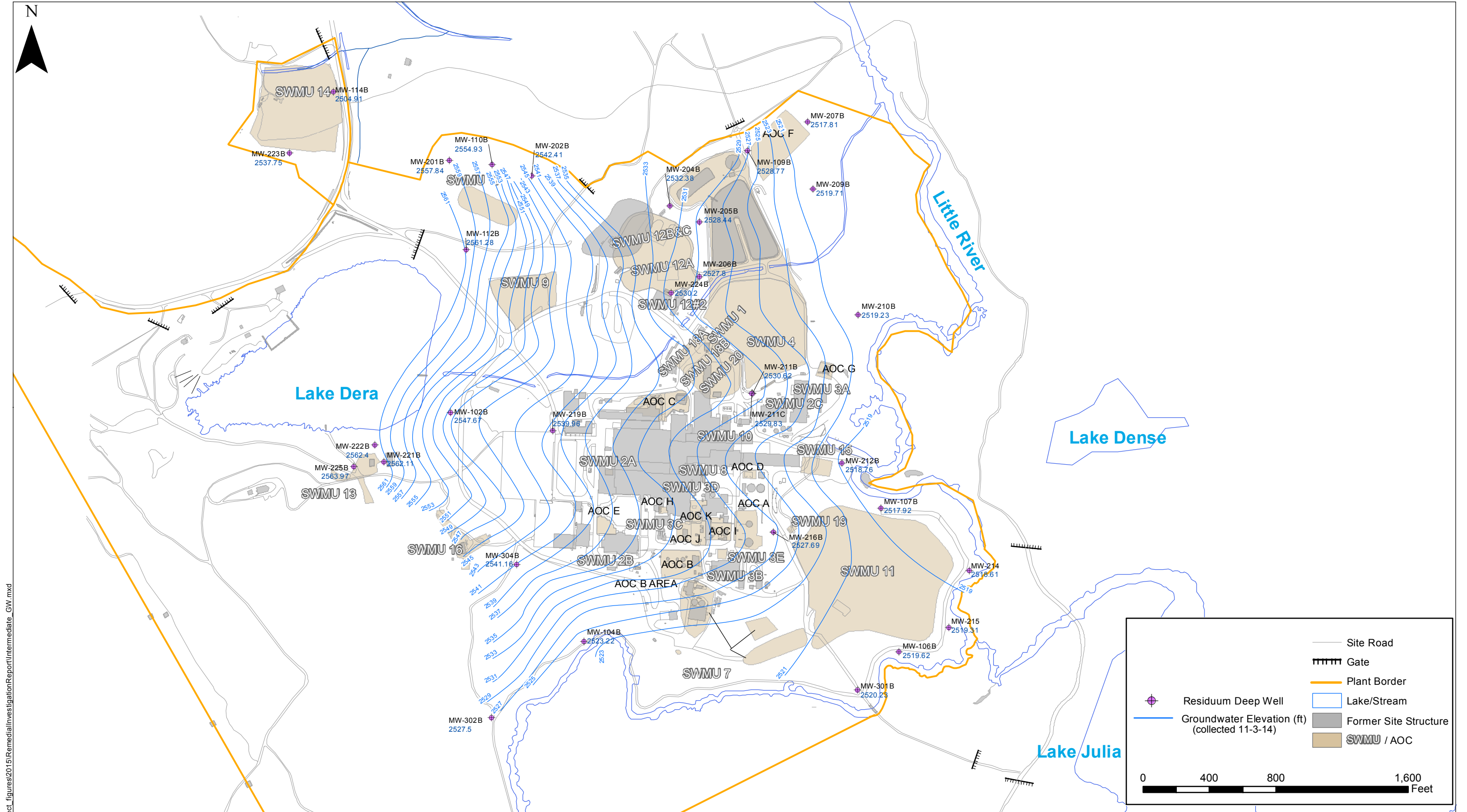
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Monitoring Well, Water Supply Well, and Piezometer Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 4/23/2015	DuPont Project No: 4423
Revision:	Figure: 3	Parsons Project No: 447499.01 020
File Name: Bre_mw_LocMap		



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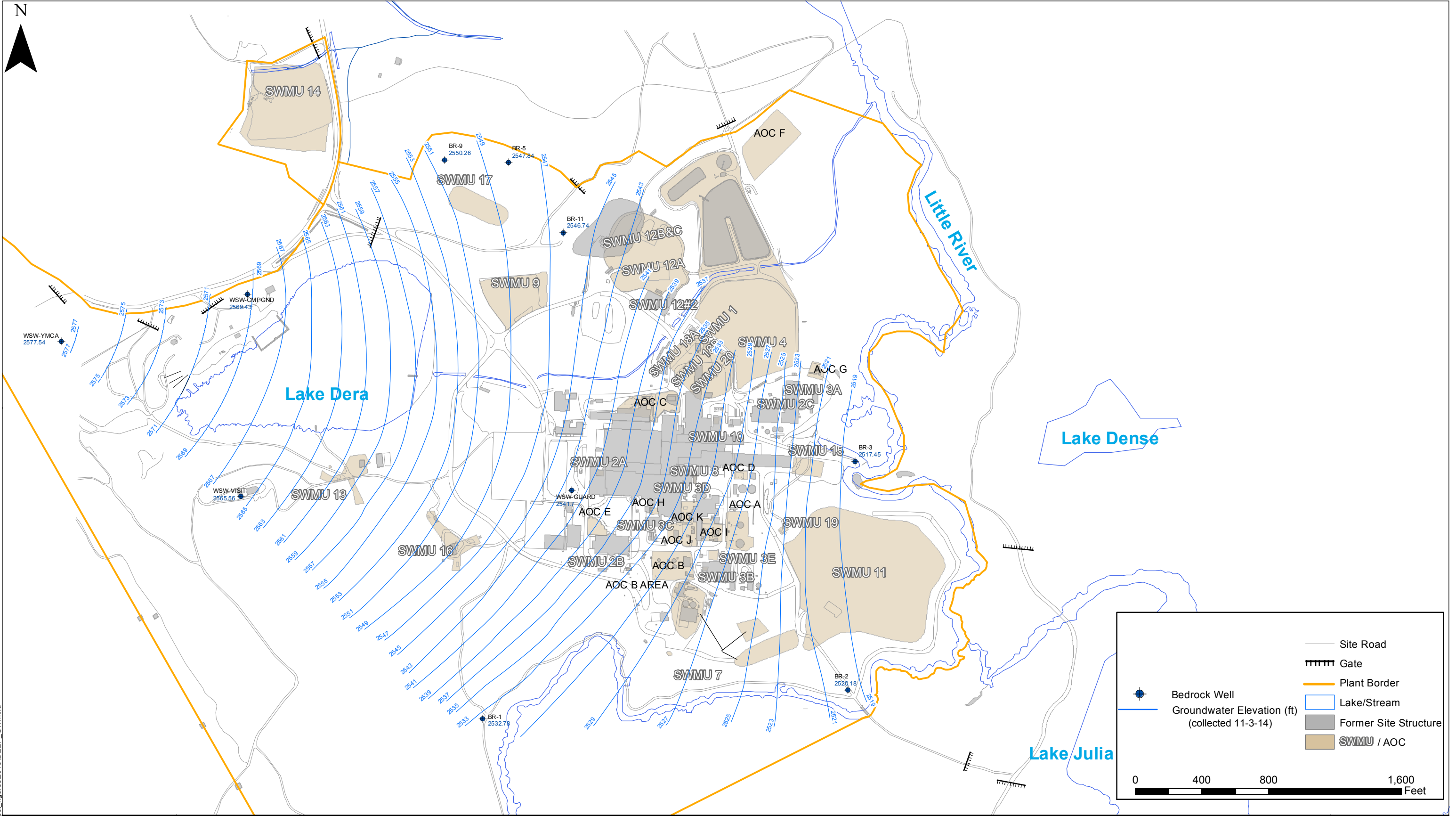
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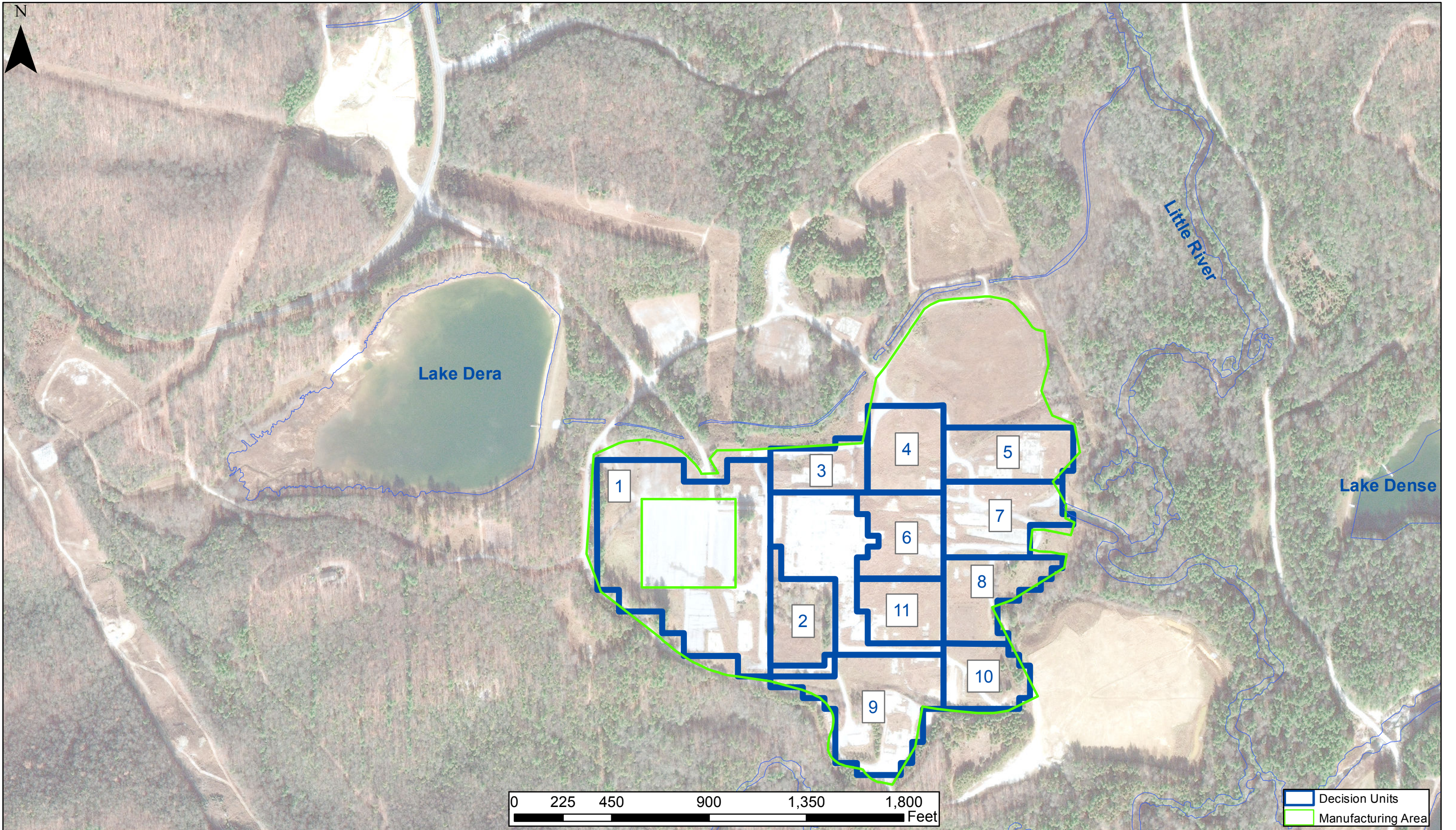
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Surficial Aquifer – Deep Residuum Well Potentiometric Surface Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. ONeal	DuPont Project No.: 4406
Date: 4/22/2015	Parsons Project No.: 447499_01020
Revision:	Figure No.: 5
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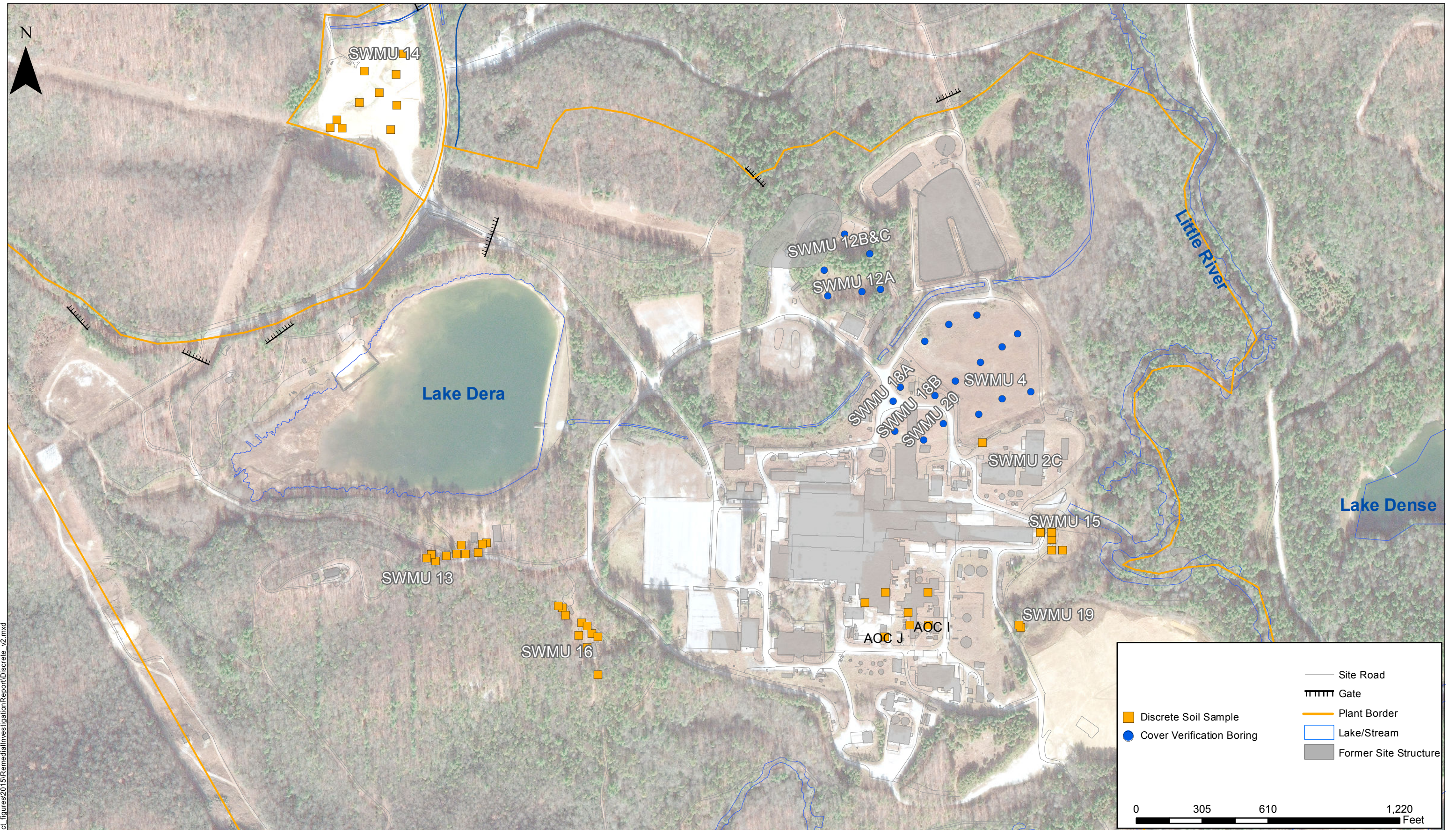


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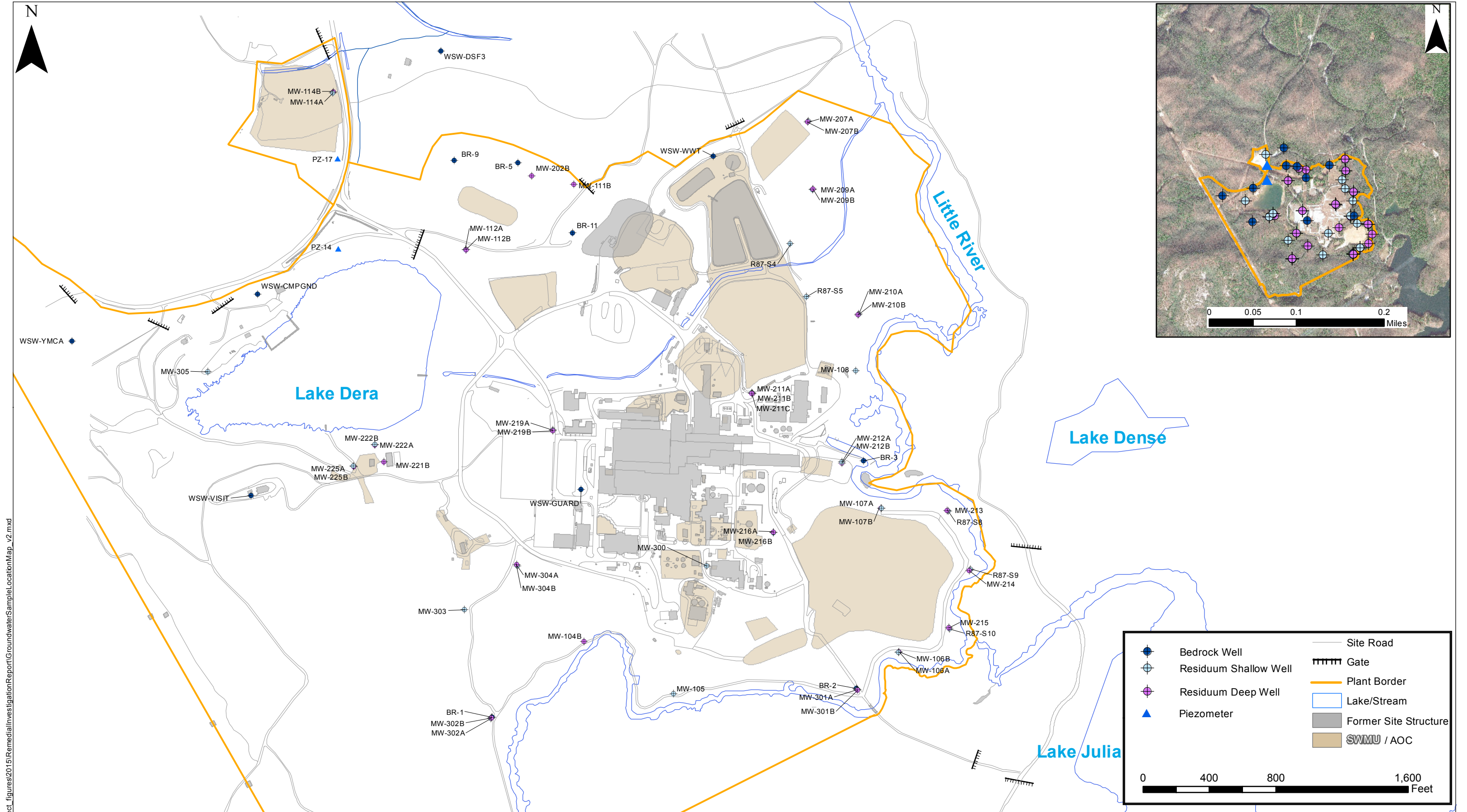
Incremental Sampling Methodology Decision Unit Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 5/5/2015	DuPont Project No: 4406
Revision:	Figure: 7	Parsons Project No: 447499.01020
File Name: DU_2_23_15		



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Drawn: C. O Neal	DuPont Project No.: 4406
Date: 5/5/2015	Parsons Project No.: 447499_01020
Revision:	Figure No.: 8
File Name: Discrete_v2	



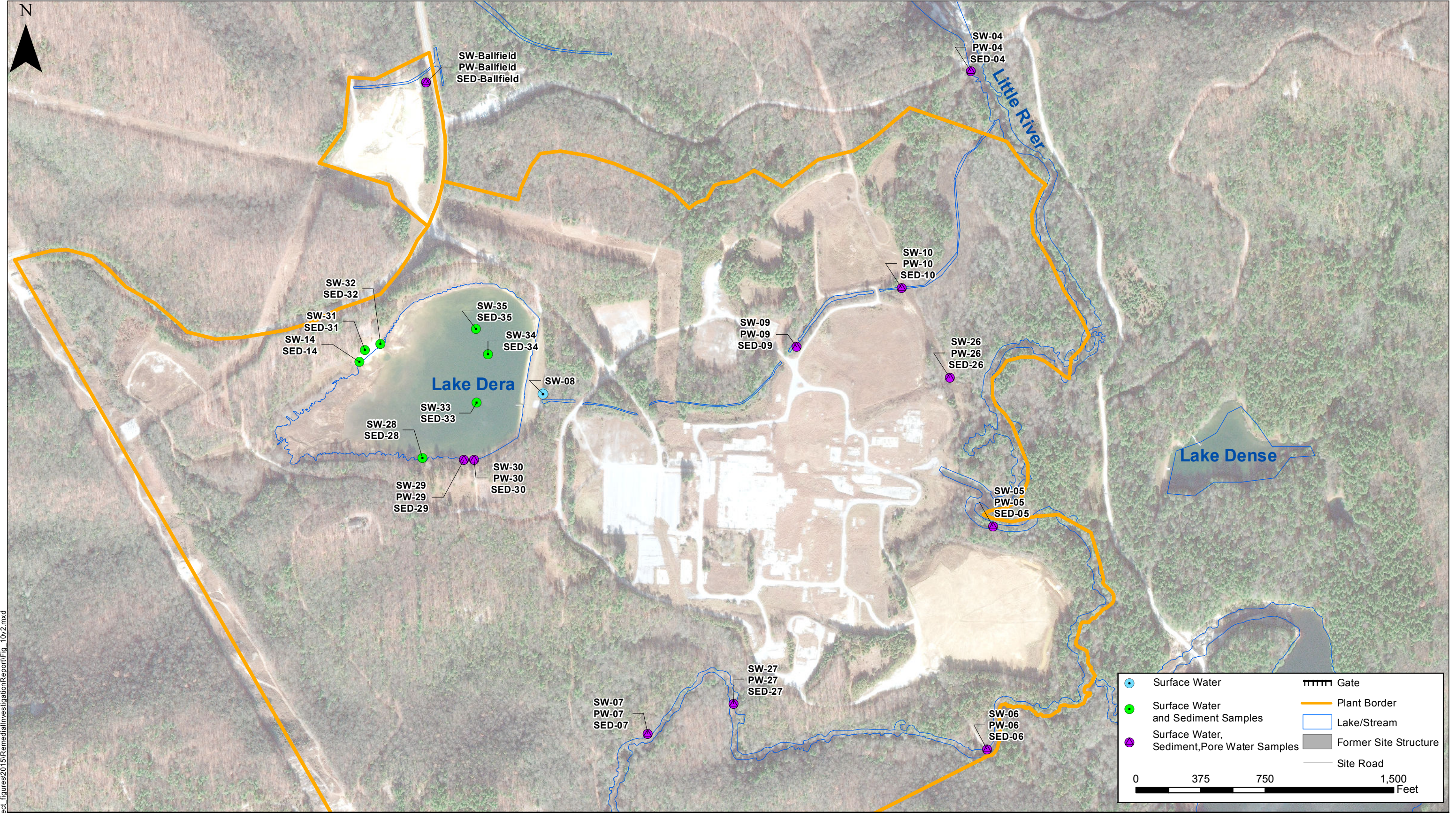
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Final Investigation Groundwater Sample Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. ONeal	DuPont Project No.: 4406
Date: 5/4/2015	Parsons Project No.: 447499_01020
Revision:	Figure No.: 9
File Name: GroundwaterSampleLocationMap_v2	






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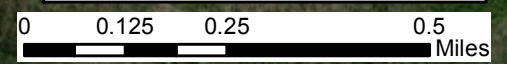


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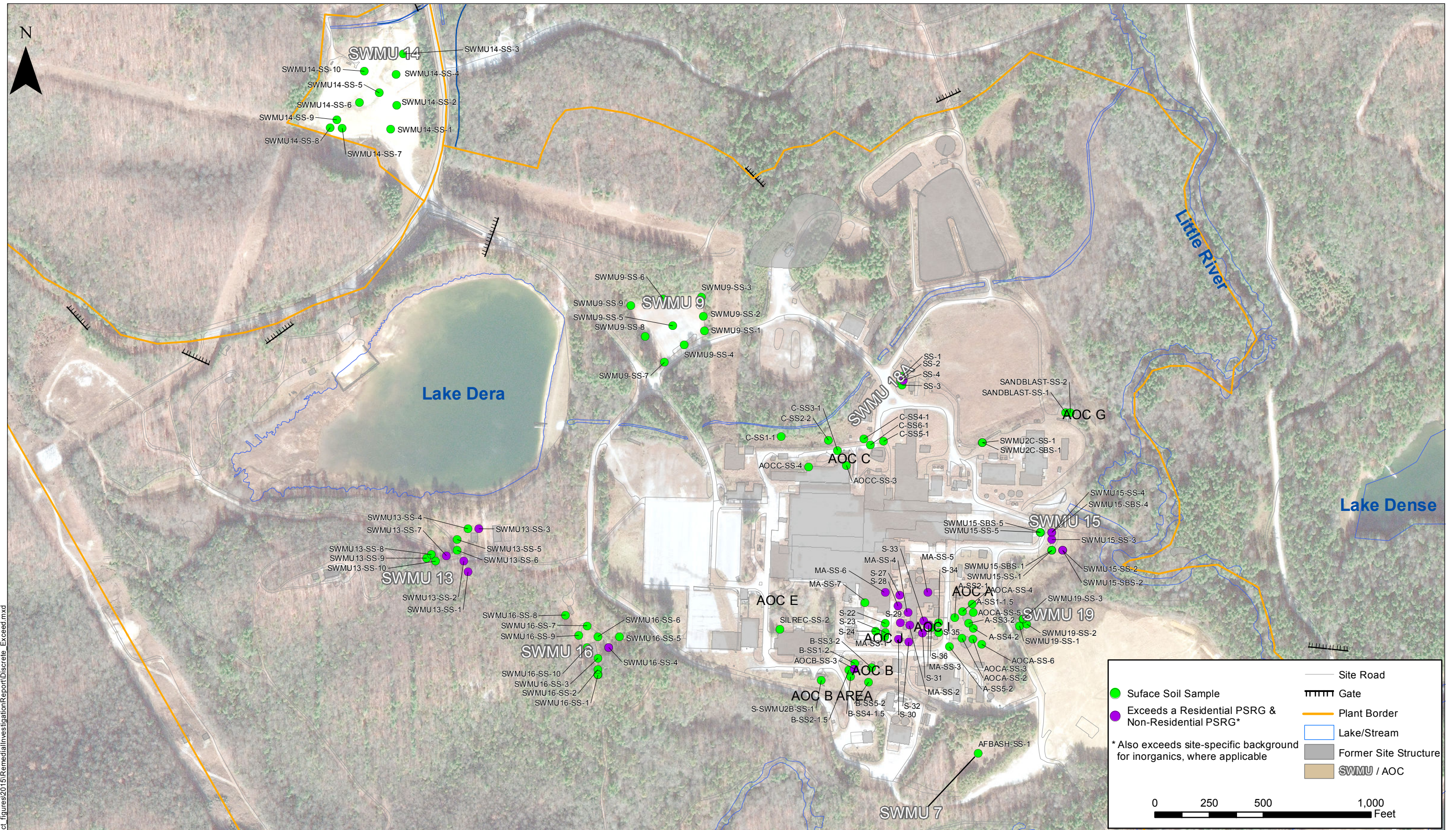
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DSRF WSW Well Map
 Remedial Investigation Report
 DuPont Brevard Facility
 Cedar Mountain, North Carolina

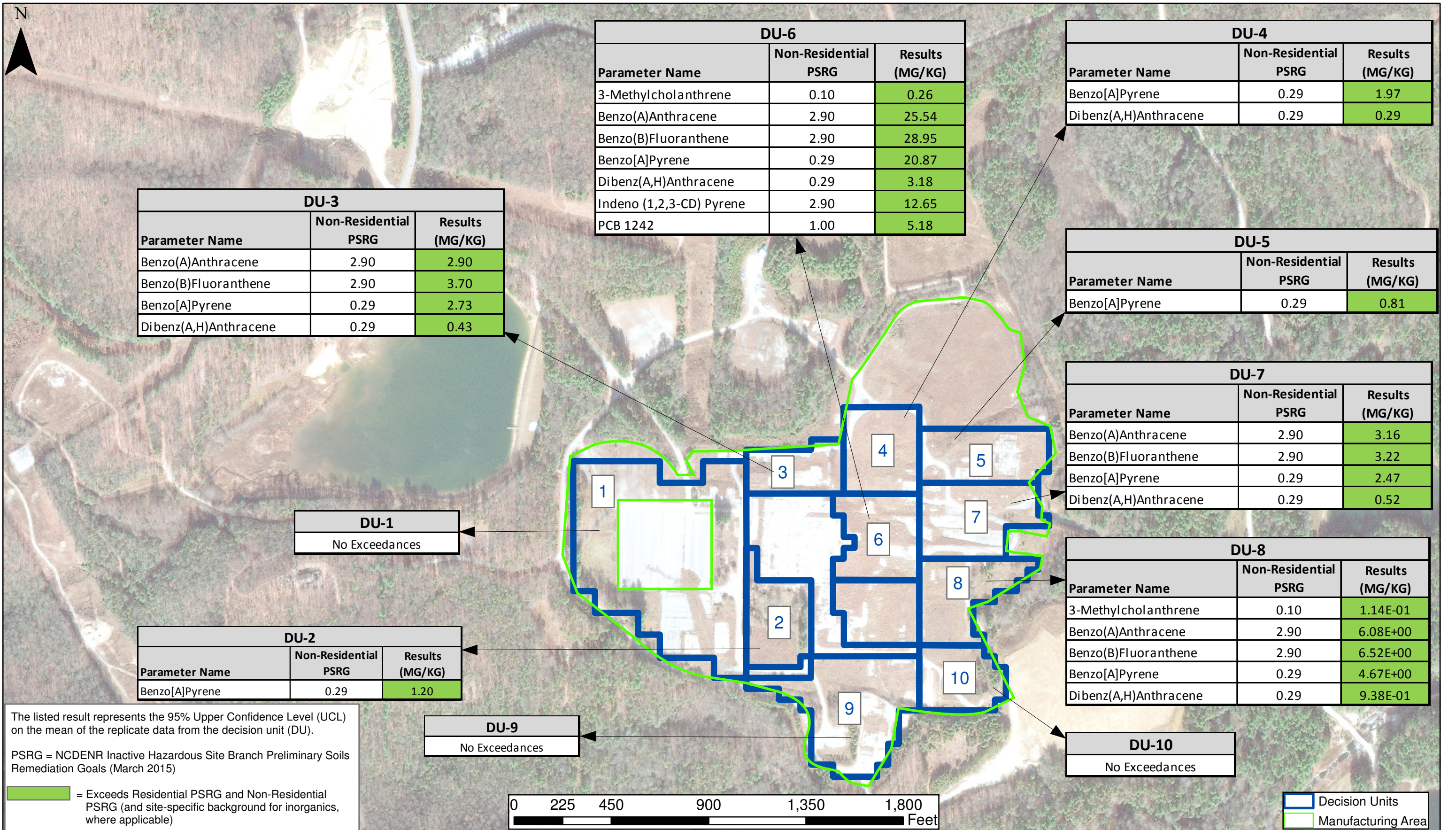
	Water Supply Well
	Lake/Stream
	Plant Border

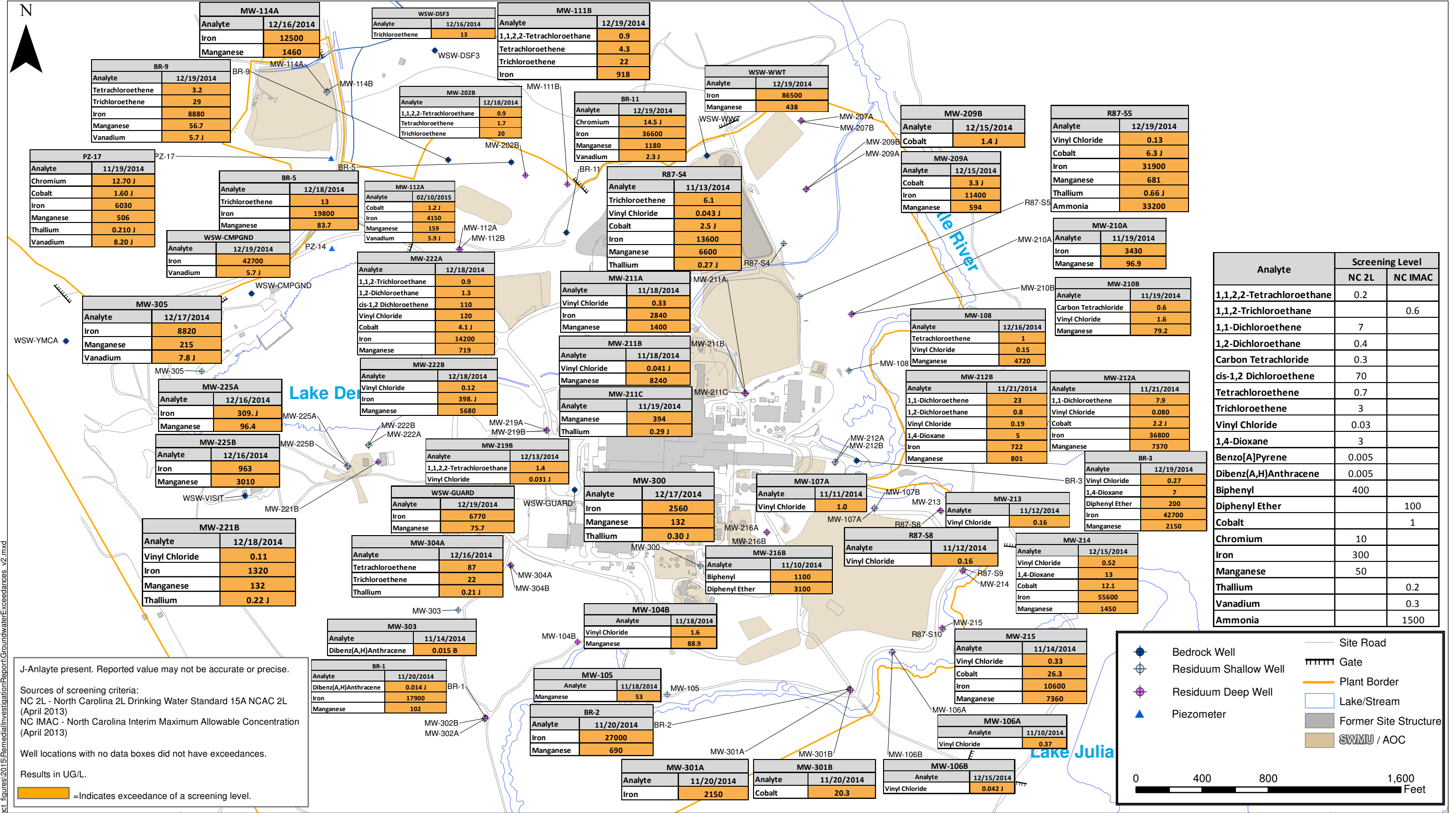


Drawn: C. ONeal	DuPont Project No.: 4406
Date: 3/26/2015	Parsons Project No.: 446664.01000
Revision:	Figure No.: 11
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J-Analyte present. Reported value may not be accurate or precise.

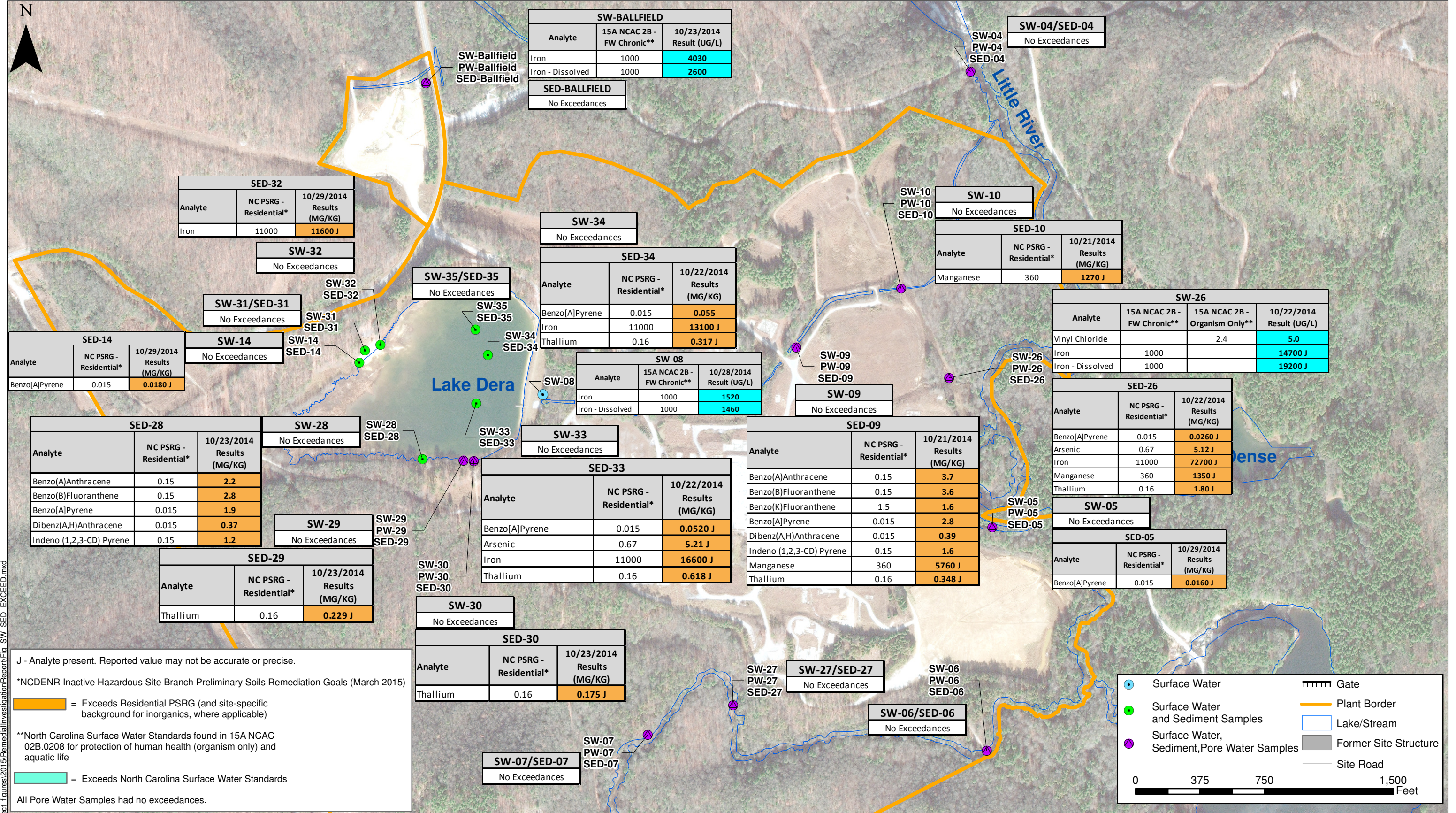
Sources of screening criteria:
 NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
 NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Well locations with no data boxes did not have exceedances.

Results in UG/L.

=Indicates exceedance of a screening level.

Analyte	Screening Level	
	NC 2L	NC IMAC
1,1,2,2-Tetrachloroethane	0.2	
1,1,2-Trichloroethane		0.6
1,1-Dichloroethane	7	
1,2-Dichloroethane	0.4	
Carbon Tetrachloride	0.3	
cis-1,2 Dichloroethane	70	
Tetrachloroethane	0.7	
Trichloroethane	3	
Vinyl Chloride	0.03	
1,4-Dioxane	3	
Benzo[A]Pyrene	0.005	
Dibenz[A,H]Anthracene	0.005	
Biphenyl	400	
Diphenyl Ether		100
Cobalt		1
Chromium	10	
Iron	300	
Manganese	50	
Thallium		0.2
Vanadium		0.3
Ammonia		1500



SW-BALLFIELD		
Analyte	15A NCAC 2B - FW Chronic**	10/23/2014 Result (UG/L)
Iron	1000	4030
Iron - Dissolved	1000	2600

SED-BALLFIELD	
No Exceedances	

SW-04/SED-04	
No Exceedances	

SED-32		
Analyte	NC PSRG - Residential*	10/29/2014 Results (MG/KG)
Iron	11000	11600 J

SW-32	
No Exceedances	

SW-34	
No Exceedances	

SED-34		
Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.055
Iron	11000	13100 J
Thallium	0.16	0.317 J

SW-10	
No Exceedances	

SED-10		
Analyte	NC PSRG - Residential*	10/21/2014 Results (MG/KG)
Manganese	360	1270 J

SW-35/SED-35	
No Exceedances	

SW-31/SED-31	
No Exceedances	

SW-31/SED-31	
No Exceedances	

SW-14	
No Exceedances	

SED-14		
Analyte	NC PSRG - Residential*	10/29/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0180 J

SW-26			
Analyte	15A NCAC 2B - FW Chronic**	15A NCAC 2B - Organism Only**	10/22/2014 Result (UG/L)
Vinyl Chloride		2.4	5.0
Iron	1000		14700 J
Iron - Dissolved	1000		19200 J

SED-26		
Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0260 J
Arsenic	0.67	5.12 J
Iron	11000	72700 J
Manganese	360	1350 J
Thallium	0.16	1.80 J

SW-08		
Analyte	15A NCAC 2B - FW Chronic**	10/28/2014 Result (UG/L)
Iron	1000	1520
Iron - Dissolved	1000	1460

SW-09	
No Exceedances	

SED-28		
Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Benzo(A)Anthracene	0.15	2.2
Benzo(B)Fluoranthene	0.15	2.8
Benzo(A)Pyrene	0.015	1.9
Dibenz(A,H)Anthracene	0.015	0.37
Indeno (1,2,3-CD) Pyrene	0.15	1.2

SW-28	
No Exceedances	

SW-33	
No Exceedances	

SED-33		
Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0520 J
Arsenic	0.67	5.21 J
Iron	11000	16600 J
Thallium	0.16	0.618 J

SED-09		
Analyte	NC PSRG - Residential*	10/21/2014 Results (MG/KG)
Benzo(A)Anthracene	0.15	3.7
Benzo(B)Fluoranthene	0.15	3.6
Benzo(K)Fluoranthene	1.5	1.6
Benzo(A)Pyrene	0.015	2.8
Dibenz(A,H)Anthracene	0.015	0.39
Indeno (1,2,3-CD) Pyrene	0.15	1.6
Manganese	360	5760 J
Thallium	0.16	0.348 J

SW-29	
No Exceedances	

SED-29		
Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Thallium	0.16	0.229 J

SW-30	
No Exceedances	

SW-30	
No Exceedances	

SED-30		
Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Thallium	0.16	0.175 J

SW-27/SED-27	
No Exceedances	

SW-06/SED-06	
No Exceedances	

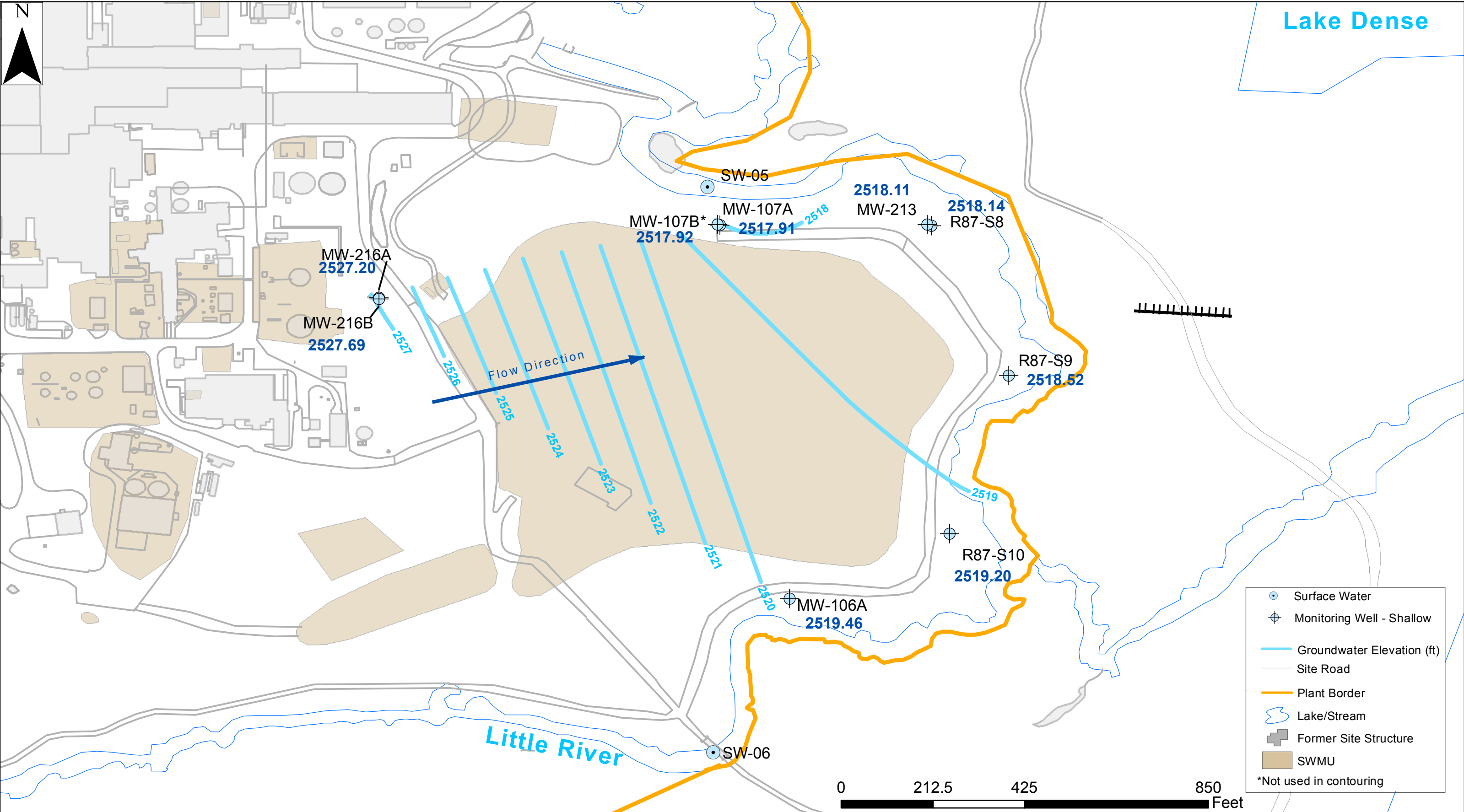
SW-06/SED-06	
No Exceedances	

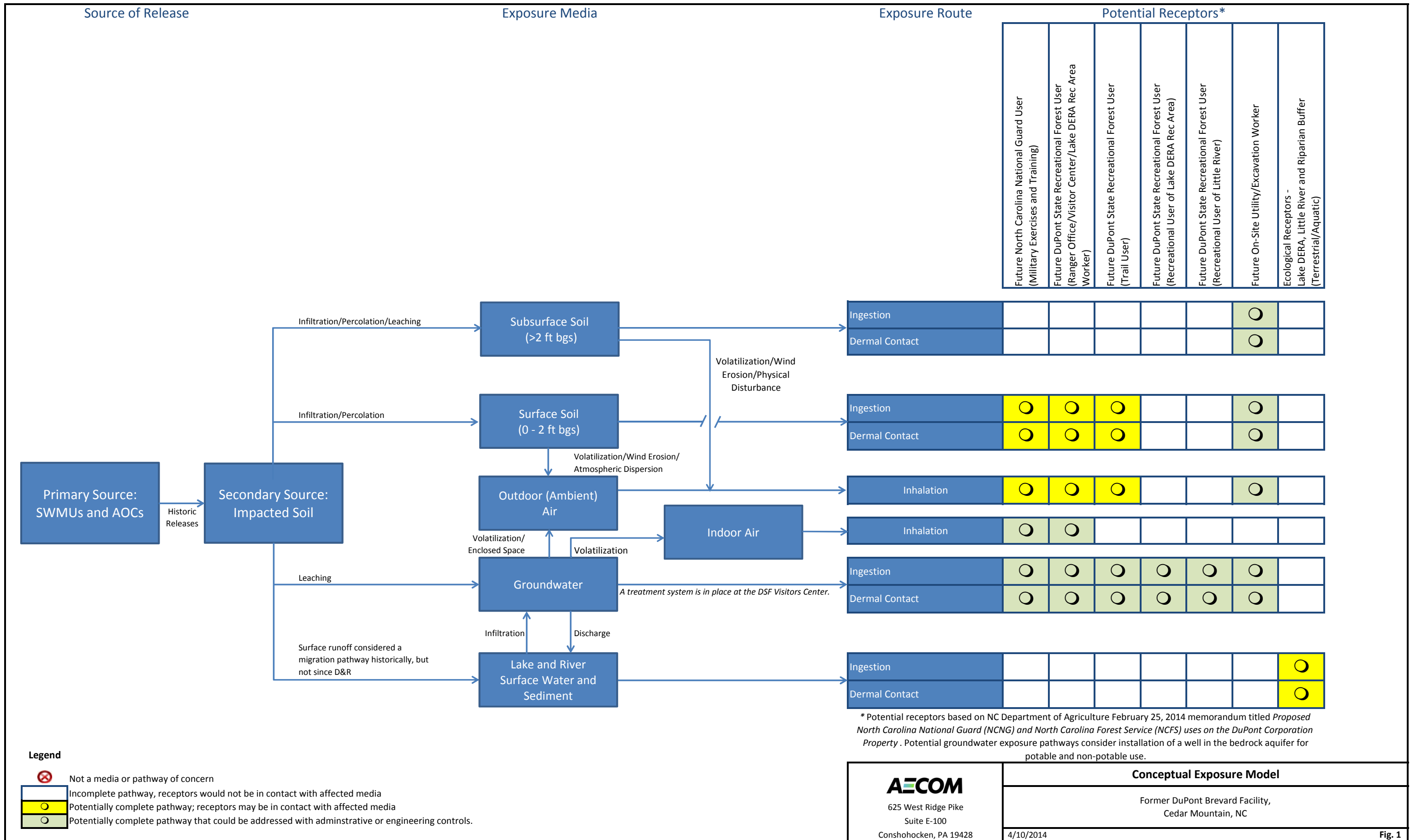
SW-07/SED-07	
No Exceedances	

J - Analyte present. Reported value may not be accurate or precise.
 *NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
 = Exceeds Residential PSRG (and site-specific background for inorganics, where applicable)
 **North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life
 = Exceeds North Carolina Surface Water Standards
 All Pore Water Samples had no exceedances.

● Surface Water
 ● Surface Water and Sediment Samples
 ● Surface Water, Sediment, Pore Water Samples
 ■ Gate
 — Plant Border
 □ Lake/Stream
 ■ Former Site Structure
 — Site Road

0 375 750 1,500 Feet



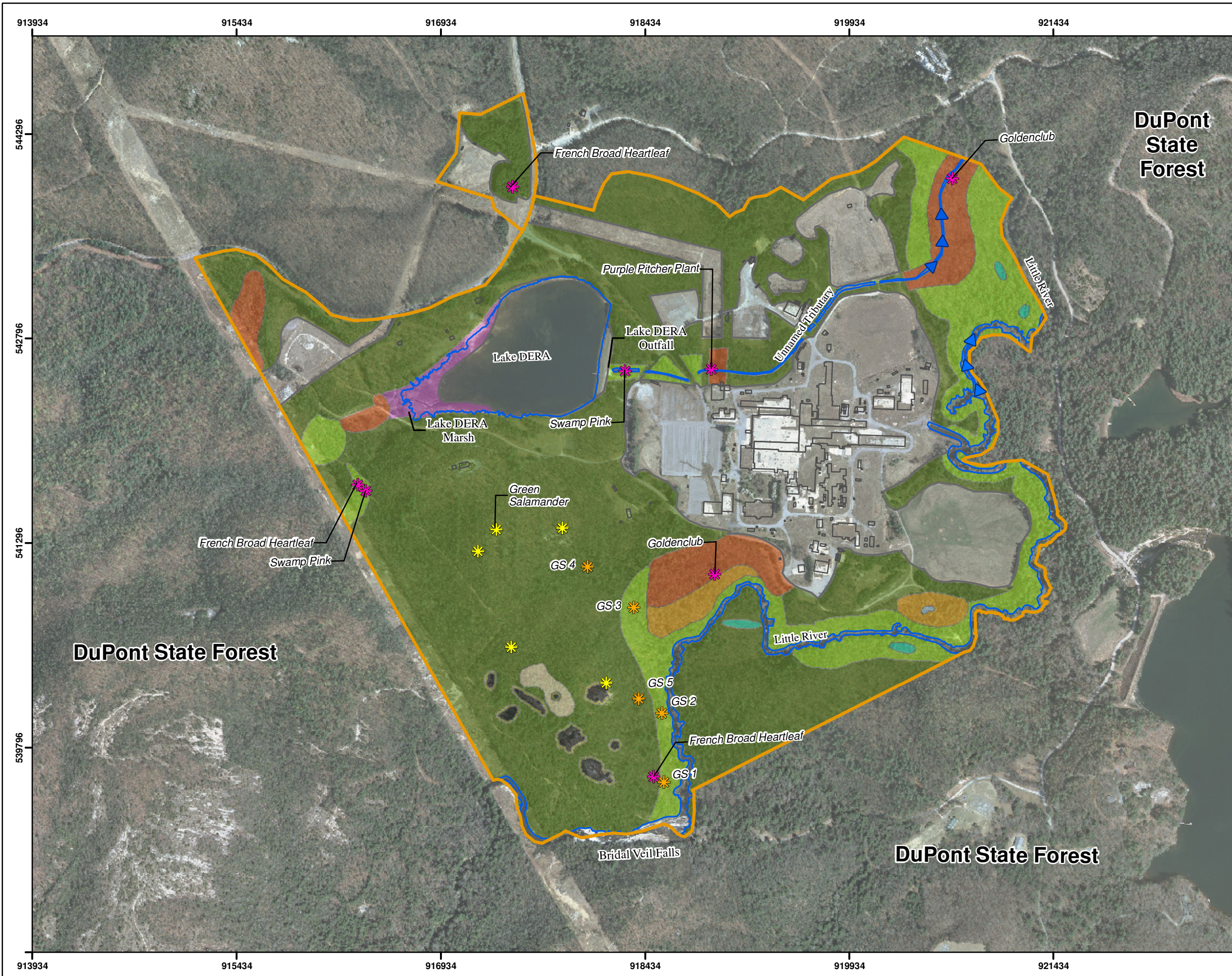


AECOM
625 West Ridge Pike
Suite E-100
Conshohocken, PA 19428

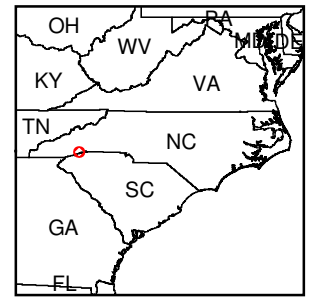
Conceptual Exposure Model
Former DuPont Brevard Facility,
Cedar Mountain, NC

4/10/2014

Fig. 1



- Legend**
- Lake/Stream
 - Flow Direction
 - DuPont Brevard Facility
 - Former Structure
 - Maintained Former Developed Lands
 - Rare Plant Community Location
 - Green Salamander
 - Known Site
 - Potential Site
- Ecological Communities (317.04 acres total)**
- Southern Appalachian Fen (4.68 ac)
 - Swamp Forest-Bog (18.44 ac)
 - Floodplain Pool (0.89 ac)
 - Acidic Cove Forest (47.41 ac)
 - Vernal Pool (0.09 ac)
 - Montane Alluvial Forest (5.56 ac)
 - Montane Oak-Hickory Forest (234.89)
 - Low Elevation Granitic Dome (2.16)
 - Pine Oak/Heath Forest (1.30 ac)
 - White Pine Forest (1.62 ac)



Key Map
Not to Scale

NAD 1983 State Plane North Carolina
FIPS 3200 Feet
Lambert Conformal Conic

Data Sources:
2010 Aerial Imagery provided by Transylvania County, NC
ESRI Street Map North America
URS Field Reconnaissance Data
Additional GIS data provided by Parsons

1 inch = 700 feet



Figure 18
DuPont Brevard Facility
Ecological Survey
Significant Ecological Communities

Brevard, Transylvania County, North Carolina

Prepared By: PLJ	Checked By: BB
Job:18986041.00003	Q:\GIS_Data\DUPOINT\BREVARD\Maps\Figure 1 Vegetative Communities.mxd

APPENDIX A
FINAL INVESTIGATION SOIL SAMPLE DESCRIPTIONS

ISM Sample Descriptions
Remedial Investigation Report
DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-1A-1	11/4/2014	1245	0.0	Light brown to tan sandy silt
DU-1A-2	11/4/2014	1305	0.0	Dark brown to tan sandy silt
DU-1A-3	11/4/2014	1330	0.0	Dark to light tan sandy silt, dry
DU-1A-4	11/4/2014	1350	0.0	Gray to tan sandy silt with trace clay
DU-1A-5	11/4/2014	1405	0.0	Tan to brown sandy silt with trace clay and gravel
DU-1A-6	11/4/2014	1420	0.0	Tan silt with trace clay, light brown / tan with some trace organics
DU-1A-7	11/4/2014	1445	0.0	Light brown / tan silt with trace clay
DU-1A-8	11/4/2014	1525	0.0	Light tan to black sandy silt with trace clay
DU-1A-9	11/4/2014	1540	0.0	Brown, trace clay, some gravel, sandy silt
DU-1A-10	11/4/2014	1555	0.0	Light tan / brown sandy silt
DU-1A-11	11/4/2014	1635	0.0	Tan / Brown sandy silt
DU-1A-12	11/5/2014	805	0.0	Brown with dark gray areas, clay silt with trace sand and gravel
DU-1A-13	11/5/2014	840	0.0	Brown with dark gray areas, clay silt with trace sand and gravel with some larger rocks
DU-1A-14	11/5/2014	900	0.0	Tan / gray sandy silt to a brown silty clay
DU-1A-15	11/5/2014	935	0.0	Tan sandy silt with trace clay
DU-1A-16	11/5/2014	1005	0.0	Brown sandy silt to clay silt
DU-1A-17	11/5/2014	1035	0.0	Gray to tan sandy silt with trace clay
DU-1A-18	11/5/2014	1106	0.0	Brown clay-silt
DU-1A-19	11/5/2014	1215	0.0	Brown clay-silt
DU-1A-20	11/5/2014	1240	0.0	Sandy silt white to light brown with some dark brown mottling
DU-1A-21	11/5/2014	1300	NR	Brown silt to orange silty clay with dark brown mottling
DU-1A-22	11/5/2014	1430	0.0	Tan sandy silt
DU-1A-23	11/5/2014	1440	0.0	Brown silt, tan sandy silt with rock fragments
DU-1A-24	11/5/2014	1510	0.0	Brown silt to gray silt with rock fragments
DU-1A-25	11/5/2014	1540	0.0	Light brown silt
DU-1A-26	11/5/2014	1600	0.0	Brown sandy silt
DU-1A-27	11/5/2014	1620	0.0	Brown silty clay
DU-1A-28	11/5/2014	1635	0.0	Brown sandy silt
DU-1A-29	11/5/2014	1645	0.0	Brown sandy silt
DU-1A-30	11/5/2014	1655	0.0	Brown with black mottling silty clay
DU-1A-31	11/5/2014	1710	0.0	Brown sandy silt with trace clay
DU-1B-1	11/6/2014	845	0.0	Brown sandy silt with rock fragments
DU-1B-2	11/6/2014	925	0.0	Brown with black mottling sandy silt
DU-1B-3	11/6/2014	950	0.0	Brown silt with trace sand and tan mottling
DU-1B-4	11/6/2014	1010	0.0	Brown sandy silt with weathered rock
DU-1B-5	11/6/2014	1030	0.0	Tan sandy silt
DU-1B-6	11/6/2014	1045	0.0	Light brown with dark brown mottling sandy silt
DU-1B-7	11/6/2014	1110	0.0	Dark brown to tan silt to sandy silt
DU-1B-8	11/6/2014	1130	0.0	Light brown to brown clay silt
DU-1B-9	11/6/2014	1320	0.0	Brown to light brown silt with rock fragments
DU-1B-10	11/6/2014	1340	0.0	Brown clay-silt
DU-1B-11	11/6/2014	1400	0.0	Brown sandy silt with weathered rock
DU-1B-12	11/6/2014	1445	0.0	Light brown sandy silt
DU-1B-13	11/6/2014	1515	0.0	Tan sandy silt
DU-1B-14	11/6/2014	1605	0.0	Tan sandy silt
DU-1B-15	11/6/2014	1625	0.0	Gray sandy silt
DU-1B-16	11/6/2014	1640	0.0	Brown sandy silt
DU-1B-17	11/6/2014	1650	0.0	Brown, dark to light, sandy silt
DU-1B-18	11/6/2014	1700	0.0	Brown silt with trace organics
DU-1B-19	11/6/2014	1710	0.0	Brown sandy silt
DU-1B-20	11/7/2014	815	0.0	Brown silt
DU-1B-21	11/7/2014	830	0.0	Tan sandy silt
DU-1B-22	11/7/2014	840	0.0	Tan sandy silt
DU-1B-23	11/7/2014	850	0.0	Brown sandy silt
DU-1B-24	11/7/2014	900	0.0	Tan / Brown sandy silt
DU-1B-25	11/7/2014	915	0.0	Brown clay-silt
DU-1B-26	11/7/2014	925	0.0	Brown silt
DU-1B-27	11/7/2014	930	0.0	Brown sandy silt
DU-1B-28	11/7/2014	935	0.0	Brown sandy silt with rock fragment
DU-1B-29	11/7/2014	940	0.0	Light brown silt with organics
DU-1B-30	11/7/2014	945	0.0	Brown to tan sandy silt
DU-1B-31	11/7/2014	945	0.0	Brown sandy silt with rock fragments
DU-1C-1	11/7/2014	1025	0.0	Brown sandy silt
DU-1C-2	11/7/2014	1035	0.0	Brown / tan sandy silt with rock fragments
DU-1C-3	11/7/2014	1045	0.0	Brown to tan sandy silt with trace gravel
DU-1C-4	11/7/2014	1050	0.0	Brown to black, damp, silt with trace organics
DU-1C-5	11/7/2014	1055	0.0	Brown silt to tan, sandy with rock fragments
DU-1C-6	11/10/2014	1215	0.0	Black to brown sandy silt, layer of red clay
DU-1C-7	11/10/2014	1225	0.0	Brown sandy silt
DU-1C-8	11/10/2014	1235	0.0	Brown sandy silt with large gravel
DU-1C-9	11/10/2014	1245	0.0	Brown to dark brown clay silt
DU-1C-10	11/10/2014	1255	0.0	Light brown silty sand with gravel throughout
DU-1C-11	11/10/2014	1310	0.0	Brown silty sand
DU-1C-12	11/10/2014	1320	0.0	Light brown sandy silt
DU-1C-13	11/10/2014	1330	0.0	Brown silty with some sand and rocks
DU-1C-14	11/10/2014	1345	0.0	Tan sandy silt with rocks
DU-1C-15	11/10/2014	1355	0.0	Tan to gray, sand with silt and gravel
DU-1C-16	11/10/2014	1410	NR	Brown sandy silt
DU-1C-17	11/10/2014	1425	0.0	Damp, dark gray sand with silt and gravel
DU-1C-18	11/10/2014	1434	NR	Slightly damp, tan, fine sandy silt with some roots in upper 8"
DU-1C-19	11/10/2014	1445	0.0	Brown sandy silt
DU-1C-20	11/10/2014	1455	0.0	Brown silt
DU-1C-21	11/10/2014	1500	0.0	Tan to brown sandy silt

ISM Sample Descriptions
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DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-1C-22	11/10/2014	1510	0.0	Brown silt to tan sandy silt with rocks
DU-1C-23	11/10/2014	1520	0.0	Brown silt with some clay
DU-1C-24	11/10/2014	1525	0.0	Brown silt
DU-1C-25	11/10/2014	1528	0.0	Slightly damp fine tan sandy silt
DU-1C-26	11/10/2014	1529	0.0	Slightly damp light tan very fine sandy silt
DU-1C-27	11/10/2014	1540	0.0	Brown sandy silt with clay
DU-1C-28	11/10/2014	1545	0.0	Dry, fine light brown sandy silt
DU-1C-29	11/10/2014	1550	0.0	Dark brown transitioning to lighter brown silt
DU-1C-30	11/10/2014	1600	0.0	Dark brown dry silt with very few fine sand grains
DU-1C-31	11/10/2014	1615	0.0	Dark brown silt turning to rocky gray particles
DU-2A-1	11/11/2014	910	0.0	Light brown sandy silt with trace clay
DU-2A-2	11/11/2014	920	0.0	Light tan sandy silt
DU-2A-3	11/11/2014	935	0.0	Dark brown sandy silt
DU-2A-4	11/11/2014	950	0.0	Brown sandy silt
DU-2A-5	11/11/2014	1000	0.0	Dark brown silt to light brown sandy silt
DU-2A-6	11/11/2014	1010	0.0	Brown sandy silt with black mottling
DU-2A-7	11/11/2014	1015	0.0	Dark brown with brown and gray sandy silt
DU-2A-8	11/11/2014	1020	0.0	Dark brown to light brown sandy silt with trace clay
DU-2A-9	11/11/2014	1030	0.0	Brown sandy silt with layer of dark brown silt
DU-2A-10	11/11/2014	1050	0.0	Brown sandy silt
DU-2A-11	11/11/2014	1100	0.0	Brown sandy silt
DU-2A-12	11/11/2014	1110	0.0	Brown sandy silt
DU-2A-13	11/11/2014	1120	0.0	Brown to light brown sandy silt with trace clay
DU-2A-14	11/11/2014	1125	0.0	Light brown sandy silt with trace clay
DU-2A-15	11/11/2014	1130	0.0	Light brown sandy silt with rock and gravel fragments
DU-2A-16	11/11/2014	1145	0.0	Dark brown sandy silt with trace clay
DU-2A-17	11/11/2014	1340	0.0	Dark brown sandy silt
DU-2A-18	11/11/2014	1350	0.0	Dark brown to light brown sandy silt
DU-2A-19	11/11/2014	1400	0.0	Dark brown sandy silt
DU-2A-20	11/11/2014	1410	0.0	Dark brown sandy silt
DU-2A-21	11/11/2014	1420	0.0	Brown sandy silt with rock fragments
DU-2A-22	11/11/2014	1435	NR	Brown to gray silt with trace sand and clay
DU-2A-23	11/11/2014	1445	NR	Brown to orange / gray sandy silt with some rock fragments
DU-2A-24	11/11/2014	1455	NR	Brown to tan sandy silt with some rock fragments
DU-2A-25	11/11/2014	1505	NR	Brown to light brown sandy silt with rock fragments
DU-2A-26	11/11/2014	1515	0.0	Light brown sandy silt
DU-2A-27	11/11/2014	1525	0.0	Brown sandy silt with rock fragments
DU-2A-28	11/11/2014	1535	0.0	Brown sandy silt
DU-2A-29	11/11/2014	1545	0.0	Brown silt to gray gravel
DU-2A-30	11/11/2014	1555	0.0	Light brown sandy silt
DU-2A-31	11/12/2014	815	NR	Brown silt to tan sandy silt
DU-2A-32	11/12/2014	820	0.0	Dark brown sandy silt
DU-2A-33	11/12/2014	830	0.0	Dark brown sandy silt
DU-2A-34	11/12/2014	840	0.0	Dark brown sandy silt with trace clay
DU-2A-35	11/12/2014	910	0.0	Light brown sandy silt with rock fragment
DU-2A-36	11/12/2014	915	0.0	Light brown sandy silt
DU-2A-37	11/12/2014	925	0.0	Brown sandy silt with rock fragments
DU-2A-38	11/12/2014	935	0.0	Brown silty sand with trace clay
DU-2A-39	11/12/2014	1000	0.0	Brown sandy silt with gray rock fragments
DU-2A-40	11/12/2014	1010	0.0	Brown silty sand with trace clay and gray rock fragments
DU-2A-41	11/12/2014	1020	0.0	Brown silty sand with rock fragments
DU-2A-42	11/12/2014	1030	0.0	Brown silty sand with trace clay and rock fragments
DU-2A-43	11/12/2014	1040	0.0	Brown silty sand with gray rock fragments
DU-2A-44	11/12/2014	1050	0.0	Brown sandy silt
DU-2A-45	11/12/2014	1100	0.0	Brown sandy silt
DU-2A-46	11/12/2014	1120	0.0	Brown sandy silt with trace clay
DU-2A-47	11/12/2014	1130	0.0	Brown sandy silt with trace clay and rock fragments
DU-2A-48	11/12/2014	1140	0.0	Brown silty clay with gray rock fragments and trace clay
DU-2A-49	11/12/2014	1150	0.0	Brown sandy silt with trace clay
DU-2B-1	11/12/2014	1315	0.0	Brown sandy silt
DU-2B-2	11/12/2014	1325	0.0	Light brown sandy silt with gray rock fragments
DU-2B-3	11/12/2014	1335	0.0	Light brown sandy silt with rock
DU-2B-4	11/12/2014	1345	0.0	Dark brown transitioning to light brown sandy silt
DU-2B-5	11/12/2014	1350	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2B-6	11/12/2014	1355	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2B-7	11/12/2014	1405	0.0	Brown sandy silt
DU-2B-8	11/12/2014	1410	0.0	Light brown sandy silt
DU-2B-9	11/12/2014	1420	0.0	Light brown sandy silt to dark brown silt
DU-2B-10	11/12/2014	1430	0.0	Dark brown silt to light brown sandy silt
DU-2B-11	11/12/2014	1440	0.0	Dark brown silt to brown sandy silt
DU-2B-12	11/12/2014	1445	0.0	Dark brown to light brown sandy silt
DU-2B-13	11/12/2014	1455	0.0	Light brown sandy silt under dark brown silt
DU-2B-14	11/12/2014	1500	0.0	Dark brown silt to light brown sandy silt
DU-2B-15	11/12/2014	1510	0.0	Gray gravel fragments to brown sandy silt
DU-2B-16	11/12/2014	1520	0.0	Dark brown silt
DU-2B-17	11/12/2014	1530	0.0	Dark brown silt to light brown sandy silt
DU-2B-18	11/12/2014	1540	0.0	Brown sandy silt
DU-2B-19	11/12/2014	1550	0.0	Dark brown silt with trace sand
DU-2B-20	11/12/2014	1600	0.0	Dark brown silty with brown sandy silt
DU-2B-21	11/12/2014	1605	0.0	Gray gravel and rock fragments to tan sand
DU-2B-22	11/13/2014	800	0.0	Dark brown silt
DU-2B-23	11/13/2014	810	0.0	Dark brown silt with trace clay
DU-2B-24	11/13/2014	830	0.0	Brown silt transitioning to tan sand

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-2B-25	11/13/2014	840	0.0	Brown sandy silt with trace clay
DU-2B-26	11/13/2014	850	0.0	Brown silt to tan sandy silt
DU-2B-27	11/13/2014	900	0.0	Light brown sandy silt
DU-2B-28	11/13/2014	915	0.0	Dark brown sandy silt with trace clay
DU-2B-29	11/13/2014	930	0.0	Light brown sandy silt
DU-2B-30	11/13/2014	940	NR	Brown silt to light brown sandy silt with rock fragments
DU-2B-31	11/13/2014	945	NR	Light brown sandy silt with rock fragments
DU-2B-32	11/13/2014	1000	0.0	Brown sandy silt with trace clay
DU-2B-33	11/13/2014	1015	0.0	Gray silt with rock fragments and trace clay
DU-2B-34	11/13/2014	1025	0.0	Gray silt with rock fragments and trace clay
DU-2B-35	11/13/2014	1035	0.0	Light brown sandy silt
DU-2B-36	11/13/2014	1100	0.0	Light brown sandy silt
DU-2B-37	11/13/2014	1110	0.0	Light brown sandy silt
DU-2B-38	11/13/2014	1120	0.0	Light brown silt
DU-2B-39	11/13/2014	1130	0.0	Brown silt with trace clay
DU-2B-40	11/13/2014	1140	0.0	Brown silt with trace clay
DU-2B-41	11/13/2014	1150	0.0	Sandy silt with trace clay, brown
DU-2B-42	11/13/2014	1155	0.0	Brown to dark brown silt with clay
DU-2B-43	11/13/2014	1200	0.0	Light brown sandy silt
DU-2B-44	11/13/2014	1205	0.0	Brown silt
DU-2B-45	11/13/2014	1350	0.0	Brown silt with trace clay and gravel
DU-2B-46	11/13/2014	1400	0.0	Light brown sandy silt
DU-2B-47	11/13/2014	1410	0.0	Brown silt with trace clay and gravel
DU-2B-48	11/13/2014	1415	0.0	Light brown sandy silt
DU-2B-49	11/13/2014	1430	0.0	Brown sandy silt
DU-2C-1	11/13/2014	1500	0.0	Brown sandy silt with rock fragments
DU-2C-2	11/13/2014	1515	0.0	Light brown sandy silt
DU-2C-3	11/13/2014	1520	0.0	Light brown sandy silt with trace gravel
DU-2C-4	11/13/2014	1550	0.0	Dark brown silt with rock and gravel fragments
DU-2C-5	11/13/2014	1600	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-6	11/13/2014	1605	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-7	11/13/2014	1610	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-8	11/13/2014	1615	0.0	Light brown sandy silt with trace clay
DU-2C-9	11/13/2014	1620	0.0	Dark brown silt transitioning to brown sandy silt
DU-2C-10	11/13/2014	1625	0.0	Brown sandy silt
DU-2C-11	11/14/2014	900	0.0	Light brown sandy silt
DU-2C-12	11/14/2014	920	0.0	Light brown sandy silt
DU-2C-13	11/14/2014	930	0.0	Brown sandy silt with trace clay
DU-2C-14	11/14/2014	1010	0.0	Brown sandy silt with trace gravel
DU-2C-15	11/14/2014	1020	0.0	Brown sandy silt with trace gravel
DU-2C-16	11/14/2014	1100	0.0	Light brown sandy silt
DU-2C-17	11/14/2014	1120	0.0	Dark brown silt with trace sand
DU-2C-18	11/14/2014	1140	0.0	Dark brown sandy silt
DU-2C-19	11/14/2014	1200	0.0	Dark brown silt with gray gravel fragments
DU-2C-20	11/17/2014	1330	0.0	Brown wet silty sand with trace clay
DU-2C-21	11/17/2014	1340	0.0	Brown wet silty sand with trace clay
DU-2C-22	11/17/2014	1350	0.0	Brown wet silt with trace clay
DU-2C-23	11/17/2014	1410	0.0	Dark brown silt with trace clay
DU-2C-24	11/17/2014	1420	0.0	Dark brown silt with trace clay, wet
DU-2C-25	11/17/2014	1515	0.0	Brown sandy silt
DU-2C-26	11/17/2014	1525	0.0	Dark to light brown sandy silt
DU-2C-27	11/17/2014	1535	0.0	Light brown sand with trace silt
DU-2C-28	11/17/2014	1545	0.0	Dark brown sandy silt
DU-2C-29	11/17/2014	1555	0.0	Light brown sandy silt
DU-2C-30	11/17/2014	1605	0.0	Light brown sand with trace silt
DU-2C-31	11/18/2014	910	0.0	Brown sandy silt
DU-2C-32	11/18/2014	920	0.0	Light brown sandy silt
DU-2C-33	11/18/2014	930	0.0	Light brown sandy silt
DU-2C-34	11/18/2014	940	0.0	Brown sandy silt
DU-2C-35	11/18/2014	950	0.0	Brown sandy silt
DU-2C-36	11/18/2014	1000	0.0	Light brown sandy silt
DU-2C-37	11/18/2014	1005	0.0	Dark brown wet sandy silt
DU-2C-38	11/18/2014	1010	0.0	Light brown sandy silt with trace clay
DU-2C-39	11/18/2014	1020	0.0	Brownish gray sandy silt with trace clay
DU-2C-40	11/18/2014	1030	0.0	Grayish brown sandy silt
DU-2C-41	11/18/2014	1040	0.0	Dark brown sandy silt
DU-2C-42	11/18/2014	1050	0.0	Light brown sandy silt
DU-2C-43	11/18/2014	1100	0.0	Dark brown with gray mottling sandy silt
DU-2C-44	11/18/2014	1110	0.0	Light brown sandy silt
DU-2C-45	11/18/2014	1120	0.0	Light brown sandy silt
DU-2C-46	11/18/2014	1130	0.0	Light brown sandy silt
DU-2C-47	11/18/2014	1140	0.0	Light brown sandy silt
DU-2C-48	11/18/2014	1150	0.0	Light brown sandy silt
DU-2C-49	11/18/2014	1200	0.0	Light brown sandy silt
DU-3A-1	11/18/2014	1345	0.0	Dark brown with black mottling and rocks, sandy silt
DU-3A-2	11/18/2014	1355	0.0	Dark brown sandy silt with rocks
DU-3A-3	11/18/2014	1405	0.0	Brown sandy silt
DU-3A-4	11/18/2014	1415	0.0	Brown with black mottling sandy silt with gravel
DU-3A-5	11/18/2014	1425	0.0	Brown sandy silt with gravel
DU-3A-6	11/18/2014	1435	0.0	Dark brown sandy silt with rocks
DU-3A-7	11/18/2014	1445	0.0	Dark brown sandy silt
DU-3A-8	11/18/2014	1505	0.0	Brown sandy silt with rock fragments
DU-3A-9	11/18/2014	1525	0.0	Light brown sandy silt with rock

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DU-3A-10	11/18/2014	1545	0.0	Brown sandy silt
DU-3A-11	11/19/2014	830	0.0	Light brown sandy silt
DU-3A-12	11/19/2014	840	0.0	Light brown sandy silt
DU-3A-13	11/19/2014	845	0.0	Brown sandy silt with rock
DU-3A-14	11/19/2014	850	0.0	Orange with brown mottling silt with trace clay and rocks fragments
DU-3A-15	11/19/2014	855	0.0	Orange with brown mottling silt with trace clay and rocks
DU-3A-16	11/19/2014	900	0.0	Dark brown / gray with orange mottling sandy silt with trace clay and rocks
DU-3A-17	11/19/2014	910	0.0	Orange silt with trace gravel
DU-3A-18	11/19/2014	915	0.0	Light brown sandy silt
DU-3A-19	11/19/2014	920	0.0	Light brown sandy silt with trace gravel
DU-3A-20	11/19/2014	925	0.0	Light brown silt with trace sand
DU-3A-21	11/19/2014	930	0.0	Orange sandy silt with trace clay with layer of gray rock and gravel
DU-3A-22	11/19/2014	935	0.0	Orange brown sandy silt with rocks
DU-3A-23	11/19/2014	940	0.0	Brown sandy silt
DU-3A-24	11/19/2014	945	0.0	Brown sandy silt transitioning to dark brown silt
DU-3A-25	11/19/2014	950	0.0	Light brown silt with trace clay
DU-3B-1	11/19/2014	1045	0.0	Dark brown sandy silt with rock fragments
DU-3B-2	11/19/2014	1050	0.0	Brown with sandy silt and gray rock fragments
DU-3B-3	11/19/2014	1055	0.0	Dark brown silt to orange sandy clay to light brown sand
DU-3B-4	11/19/2014	1100	0.0	Brown sandy silt with gravel
DU-3B-5	11/19/2014	1105	0.0	Dark brown sandy silt with gravel
DU-3B-6	11/19/2014	1110	0.0	Brown / gray sandy silt with gravel
DU-3B-7	11/19/2014	1115	0.0	Brown sandy silt with gravel
DU-3B-8	11/19/2014	1120	0.0	Light brown sandy silt
DU-3B-9	11/19/2014	1125	0.0	Brown sandy silt with black mottling rock fragments and trace clay
DU-3B-10	11/19/2014	1300	0.0	Dark brown sandy silt with rock fragments
DU-3B-11	11/19/2014	1305	0.0	Light brown sandy silt with black rock fragments
DU-3B-12	11/19/2014	1310	0.0	Light brown sandy silt
DU-3B-13	11/19/2014	1315	0.0	Brown / orange sandy silt with trace clay and rock fragments
DU-3B-14	11/19/2014	1320	0.0	Orange silty clay with rock fragments
DU-3B-15	11/19/2014	1325	0.0	Brown sandy silt with rock fragments
DU-3B-16	11/19/2014	1330	0.0	Brown sandy silt with large gray rock fragments
DU-3B-17	11/19/2014	1335	0.0	Orange silty clay with large rock fragments
DU-3B-18	11/19/2014	1340	0.0	Orange silty clay with gray rock fragments
DU-3B-19	11/19/2014	1345	0.0	Light brown sand with large gray rock fragments
DU-3B-20	11/19/2014	1350	0.0	Light brown sand with trace silt
DU-3B-21	11/19/2014	1355	0.0	Light brown sandy silt
DU-3B-22	11/19/2014	1400	0.0	Light brown silty clay
DU-3B-23	11/19/2014	1405	0.0	Brown silt with trace clay
DU-3B-24	11/19/2014	1410	0.0	Brown silt with gray mottling and trace clay
DU-3B-25	11/19/2014	1415	0.0	Brown / orange silt with trace clay
DU-3C-1	11/19/2014	1435	0.0	Light brown with gray mottling sandy silt with large rock fragments
DU-3C-2	11/19/2014	1440	0.0	Gray / brown sandy silt with large rock fragments
DU-3C-3	11/19/2014	1445	0.0	Dark brown sandy silt
DU-3C-4	11/19/2014	1450	0.0	Light brown sandy silt
DU-3C-5	11/19/2014	1455	0.0	Light brown sandy silt with trace clay and rock
DU-3C-6	11/19/2014	1500	0.0	Orange brown silty clay
DU-3C-7	11/19/2014	1505	0.0	Dark brown with gray sandy silt
DU-3C-8	11/19/2014	1510	0.0	Gray gravel with sand
DU-3C-9	11/19/2014	1515	0.0	Dark brown silt with sand and gravel
DU-3C-10	11/19/2014	1520	0.0	Light brown sandy silt with gravel
DU-3C-11	11/20/2014	830	0.0	Light brown sandy silt with black gravel
DU-3C-12	11/20/2014	840	0.0	Brown sandy silt with rock fragments
DU-3C-13	11/20/2014	845	0.0	Dark brown sandy silt with rock fragments
DU-3C-14	11/20/2014	850	0.0	Dark brown sandy silt with large rock fragments
DU-3C-15	11/20/2014	855	0.0	Dark brown / gray sandy silt with rock fragments
DU-3C-16	11/20/2014	900	0.0	Orange sandy silt with clay
DU-3C-17	11/20/2014	905	0.0	Orange silty clay with large rock fragments
DU-3C-18	11/20/2014	915	0.0	Light brown sand with large rock fragments
DU-3C-19	11/20/2014	920	0.0	Dark brown sandy silt
DU-3C-20	11/20/2014	925	0.0	Dark brown sandy silt
DU-3C-21	11/20/2014	940	0.0	Brown sandy silt
DU-3C-22	11/20/2014	945	0.0	Light brown silty clay
DU-3C-23	11/20/2014	950	0.0	Dark brown sandy silt
DU-3C-24	11/20/2014	955	0.0	Brown sandy silt
DU-3C-25	11/20/2014	1000	0.0	Brown sandy silt
DU-4A-1	11/20/2014	1050	0.0	Light brown sandy silt with trace gravel
DU-4A-2	11/20/2014	1055	0.0	Light brown sandy silt
DU-4A-3	11/20/2014	1105	0.0	Light brown sandy silt
DU-4A-4	11/20/2014	1115	0.0	Orange silty clay with rock fragments
DU-4A-5	11/20/2014	1120	0.0	Brown sandy silt with trace gravel
DU-4A-6	11/20/2014	1125	0.0	Gray silt with gravel and rock fragments
DU-4A-7	11/20/2014	1130	0.0	Brown sandy silt
DU-4A-8	11/20/2014	1135	0.0	Brown sandy silt with layer of orange silty clay
DU-4A-9	11/20/2014	1140	0.0	Orange silty clay transitioning to gray silty clay with gravel
DU-4A-10	11/20/2014	1145	0.0	Brown sandy silt
DU-4A-11	11/20/2014	1310	0.0	Dark brown sandy silt with rock fragments
DU-4A-12	11/20/2014	1320	0.0	Wet gray gravel with silt
DU-4A-13	11/20/2014	1325	0.0	Light brown sandy silt
DU-4A-14	11/20/2014	1330	0.0	Light brown sandy silt
DU-4A-15	11/20/2014	1335	0.0	Wet brown silty sand with gravel
DU-4A-16	11/20/2014	1340	0.0	Light brown sandy silt
DU-4A-17	11/20/2014	1345	0.0	Brown sandy silt with large rock fragments and gravel

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DU-4A-18	11/20/2014	1350	0.0	Light brown sandy silt
DU-4A-19	11/20/2014	1355	0.0	Light brown sandy silt
DU-4A-20	11/20/2014	1400	0.0	Orange sandy silt with trace clay and gravel
DU-4A-21	11/20/2014	1405	0.0	Light brown sandy silt
DU-4A-22	11/20/2014	1420	0.0	Gray sandy silt with gravel
DU-4A-23	11/20/2014	1430	0.0	Orange silty clay with gravel
DU-4A-24	11/20/2014	1435	0.0	Orange silty clay with trace gravel
DU-4A-25	11/20/2014	1440	0.0	Light brown sandy silt
DU-4A-26	11/20/2014	1445	0.0	Gray to brown sandy silt with gravel
DU-4A-27	11/20/2014	1450	0.0	Gray silt with gravel
DU-4A-28	11/20/2014	1455	0.0	Dark brown gray silt with gravel
DU-4A-29	11/20/2014	1505	0.0	Light brown sandy silt
DU-4A-30	11/20/2014	1510	0.0	Orange silty clay with gray gravel
DU-4A-31	11/20/2014	1515	0.0	Orange silty clay with gray gravel
DU-4A-32	11/20/2014	1520	0.0	Brown sandy silt with trace clay and gravel
DU-4A-33	11/20/2014	1525	0.0	Gray gravel mixed with brown silt
DU-4A-34	11/20/2014	1530	0.0	Brown silty sand with gravel and rock fragments
DU-4A-35	11/20/2014	1535	0.0	Brown silt with gray gravel and rock fragments
DU-4A-36	11/21/2014	830	0.0	Brown sandy silt with gravel and rocks
DU-4A-37	11/21/2014	835	0.0	Light brown sandy silt with rock fragments
DU-4A-38	11/21/2014	840	0.0	Brown sandy silt with gravel and rock fragments
DU-4A-39	11/21/2014	845	0.0	Orange silty clay transitioning into light brown sandy silt with trace gravel
DU-4A-40	11/21/2014	850	0.0	Brown sandy silt with gravel and rock fragments
DU-4A-41	11/21/2014	855	0.0	Brown sandy silt with trace gravel and rock fragments
DU-4A-42	11/21/2014	905	0.0	Light brown sandy silt with trace gravel
DU-4A-43	11/21/2014	910	0.0	Orange / brown sandy silt with trace clay
DU-4A-44	11/21/2014	915	0.0	Orange mixed with gray and brown sandy silt with trace clay and rock
DU-4A-45	11/21/2014	925	0.0	Light brown with orange tint sandy silt with clay and gravel
DU-4A-46	11/21/2014	930	0.0	Orange transitioning to light brown sandy silt with clay and gravel
DU-4A-47	11/21/2014	935	0.0	Orange with red mottling sandy silt with clay and gravel
DU-4B-1	12/4/2014	830	NR	Sandy loam, light brown
DU-4B-2	12/4/2014	845	NR	Sandy loam, grayish brown
DU-4B-3	12/4/2014	855	NR	Sandy loam, light brown
DU-4B-4	12/4/2014	905	NR	Sandy loam, grayish light brown
DU-4B-5	12/4/2014	915	NR	Silt sandy loam, reddish light brown
DU-4B-6	12/4/2014	930	NR	Sandy loam, light brown
DU-4B-7	12/4/2014	940	NR	Sandy loam, light brown
DU-4B-8	12/4/2014	950	NR	Sandy loam / gravel, grayish light brown
DU-4B-9	12/4/2014	1000	NR	Sandy silt gravel, brownish gray, sheet metal shards
DU-4B-10	12/4/2014	1010	NR	Wet sandy silt gravel, brownish gray
DU-4B-11	12/4/2014	1025	NR	Sandy loam, brownish gray
DU-4B-12	12/4/2014	1035	NR	Sandy silt / gravel, brownish gray
DU-4B-13	12/4/2014	1045	NR	Sandy loam / gravel, grayish light brown
DU-4B-14	12/4/2014	1050	NR	Sandy loam / gravel, brownish gray
DU-4B-15	12/4/2014	1100	NR	Sandy loam / gravel, brownish gray
DU-4B-16	12/4/2014	1105	NR	Sandy loam / gravel, brownish gray
DU-4B-17	12/4/2014	1115	NR	Sandy loam / gravel, light brown
DU-4B-18	12/4/2014	1255	NR	Sandy loam, light brown
DU-4B-19	12/4/2014	1300	NR	Sandy loam, light brown
DU-4B-20	12/4/2014	1305	NR	Sandy loam, light brown
DU-4B-21	12/4/2014	1315	NR	Sandy loam, light brown
DU-4B-22	12/4/2014	1325	NR	Sandy loam / gravel, brownish dark gray
DU-4B-23	12/4/2014	1335	NR	Sandy loam / gravel, reddish light brown / gray
DU-4B-24	12/4/2014	1345	NR	Sandy loam / gravel, grayish dark brown
DU-4B-25	12/4/2014	1350	NR	Sandy loam, light brown
DU-4B-26	12/4/2014	1400	NR	Sandy clay, light brown with red clay pack
DU-4B-27	12/4/2014	1405	NR	Sandy loam, light brown
DU-4B-28	12/4/2014	1420	NR	Sandy loam / gravel, gray
DU-4B-29	12/4/2014	1505	NR	Sandy loam / gravel, brownish gray
DU-4B-30	12/4/2014	1515	NR	Sandy clay, brownish red with some gravel
DU-4B-31	12/4/2014	1520	NR	Sandy clay with some gravel, brownish red
DU-4B-32	12/4/2014	1530	NR	Sandy gravel, gray
DU-4B-33	12/4/2014	1535	NR	Sandy loam / gravel, grayish brown
DU-4B-34	12/4/2014	1545	NR	Sandy gravel, gray
DU-4B-35	12/4/2014	1550	NR	Sandy loam / gravel, grayish brown
DU-4B-36	12/4/2014	1600	NR	Sandy loam / gravel, grayish brown, asphalt and red brick fragments
DU-4B-37	12/4/2014	1610	NR	Sandy loam, light brown
DU-4B-38	12/4/2014	1615	NR	Sandy loam / gravel, brownish gray
DU-4B-39	12/4/2014	1625	NR	Sandy loam / gravel, brownish gray
DU-4B-40	12/5/2014	825	NR	Sandy loam / gravel, brownish gray
DU-4B-41	12/5/2014	835	NR	Sandy loam / gravel, light brownish gray
DU-4B-42	12/5/2014	845	NR	Sandy loam / clay / gravel, light brown
DU-4B-43	12/5/2014	855	NR	Sandy clay, red / brownish red
DU-4B-44	12/5/2014	905	NR	Sandy loam, light brown
DU-4B-45	12/5/2014	915	NR	Sandy loam / gravel, grayish light brown
DU-4B-46	12/5/2014	920	NR	Sandy loam, reddish light brown
DU-4B-47	12/5/2014	930	NR	Sandy loam / gravel, reddish light brown
DU-4C-1	12/4/2014	840	0.0	Light brown to gray sandy silt with some rocks
DU-4C-2	12/4/2014	850	0.0	Brown sandy silt
DU-4C-3	12/4/2014	900	0.0	Light brown sandy silt
DU-4C-4	12/4/2014	910	0.0	Light brown sandy silt with some gray mottling
DU-4C-5	12/4/2014	920	0.0	Light tan sandy silt with some dark tan mottling
DU-4C-6	12/4/2014	930	0.0	Orange to light tan sandy silt with some rocks

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DU-4C-7	12/4/2014	945	0.0	Brown to light brown sandy silt with some rocks and organics
DU-4C-8	12/4/2014	955	0.0	Orange / light brown silt with sand and some clay to gray sandy silt with gravel
DU-4C-9	12/4/2014	1005	0.0	Light tan sandy silt to gray sandy silt with gravels, rocks, and organics, wet
DU-4C-10	12/4/2014	1015	0.0	Light brown sandy silt with some clay and orange mottling
DU-4C-11	12/4/2014	1030	0.0	Brown sandy silt with rocks and organics
DU-4C-12	12/4/2014	1040	0.0	Orange to gray sandy silt with gravel
DU-4C-13	12/4/2014	1050	0.0	Light tan sandy silt with some rocks
DU-4C-14	12/4/2014	1100	0.0	Orange sandy silt to gray sandy silt with gravel
DU-4C-15	12/4/2014	1105	0.0	Light tan to gray sandy silt with gravel
DU-4C-16	12/4/2014	1115	0.0	Light brown sandy silt with rocks and organics
DU-4C-17	12/4/2014	1125	0.0	Brown to tan sandy silt with rocks
DU-4C-18	12/4/2014	1255	0.0	Light tan sandy silt with some white mottling
DU-4C-19	12/4/2014	1305	0.0	Brown to light tan sandy silt with some rocks
DU-4C-20	12/4/2014	1315	0.0	Brown to light brown silt with trace sand
DU-4C-21	12/4/2014	1320	0.0	Light brown to tan sandy silt
DU-4C-22	12/4/2014	1330	NR	Orange to dark gray sandy silt with gravel and trace clay
DU-4C-23	12/4/2014	1340	0.0	Brown sandy silt with rocks and gravel
DU-4C-24	12/4/2014	1355	0.0	Light tan silty sand with some rocks
DU-4C-25	12/4/2014	1405	0.0	Tan sandy silt with rocks and organics
DU-4C-26	12/4/2014	1400	0.0	Tan to red silt to clay with trace sand
DU-4C-27	12/4/2014	1415	0.0	Light brown sandy silt with rocks and debris
DU-4C-28	12/4/2014	1425	0.0	Brown sandy silt with rocks and gravel
DU-4C-29	12/4/2014	1510	0.0	Gray sandy silt with gravel
DU-4C-30	12/4/2014	1520	0.0	Red / orange clay to gray sandy silt with rocks
DU-4C-31	12/4/2014	1530	0.0	Orange / red silty clay with some rocks
DU-4C-32	12/4/2014	1535	0.0	Gray sandy silt with lots of gravel
DU-4C-33	12/4/2014	1540	0.0	Dark brown sandy silt with rocks and red brick fragments
DU-4C-34	12/4/2014	1550	0.0	Gray to brown sandy silt with gravel and some black mottling
DU-4C-35	12/4/2014	1555	0.0	Brown to gray sandy silt with gravel and organics
DU-4C-36	12/4/2014	1605	NR	Orange to brown sandy silt
DU-4C-37	12/4/2014	1615	NR	Orange to brown sandy silt with rocks and gravel
DU-4C-38	12/4/2014	1620	NR	Orange to light brown sandy silt with rocks
DU-4C-39	12/4/2014	1630	0.0	Gray to brown sandy silt with rocks and gravel
DU-4C-40	12/5/2014	830	NR	Gray sandy silt with gravel
DU-4C-41	12/5/2014	840	NR	Brown sandy silt with rocks and gravel
DU-4C-42	12/5/2014	850	NR	Light brown sandy silt with rocks and gravel
DU-4C-43	12/5/2014	900	NR	Red clay to orange sandy silt and few rocks
DU-4C-44	12/5/2014	910	NR	Light brown to tan sandy silt with rocks
DU-4C-45	12/5/2014	920	NR	Light brown to black sandy silt with rocks and a piece of plastic debris
DU-4C-46	12/5/2014	925	NR	Tan sandy silt with red clay mottling
DU-4C-47	12/5/2014	935	0.0	Tan to orange red sandy silt with clay
DU-5A-1	12/8/2014	1340	0.0	Brown silt transitioning to gray gravel
DU-5A-2	12/8/2014	1355	0.0	Light brown sandy silt with gray rock fragments
DU-5A-3	12/8/2014	1410	0.0	Light brown sandy silt with trace orange clay
DU-5A-4	12/8/2014	1435	0.0	Light brown sandy silt
DU-5A-5	12/8/2014	1445	0.0	Light brown sandy silt
DU-5A-6	12/8/2014	1455	0.0	Light brown sandy silt
DU-5A-7	12/8/2014	1525	0.0	Brown sandy silt with gravel
DU-5A-8	12/8/2014	1535	0.0	Brown silt with trace sand
DU-5A-9	12/8/2014	1545	0.0	Light brown sandy silt with dark brown silty clay mottling
DU-5A-10	12/8/2014	1555	0.0	Gray silt with gravel and large rock fragments
DU-5A-11	12/9/2014	840	0.0	Light brown sandy silt with trace clay
DU-5A-12	12/9/2014	850	0.0	Dark brown silty clay transitioning to light brown / gray sandy silt
DU-5A-13	12/9/2014	900	0.0	Light brown sandy silt with trace clay
DU-5A-14	12/9/2014	910	0.0	Light brown sandy silt with large rock fragments
DU-5A-15	12/9/2014	915	0.0	Light brown sandy silt
DU-5A-16	12/9/2014	920	0.0	Brown silt with rock fragments and gravel
DU-5A-17	12/9/2014	925	0.0	Light brown sandy silt
DU-5A-18	12/9/2014	930	0.0	Light brown sandy silt with 3" gravel layer
DU-5A-19	12/9/2014	940	0.0	Rock fragments transitioning to small layer of black gravel then brown sandy silt
DU-5A-20	12/9/2014	950	0.0	Light brown sandy silt
DU-5A-21	12/9/2014	1040	0.0	Red orange sandy clay with trace gravel
DU-5A-22	12/9/2014	1050	0.0	Dark brown sandy gravel transitioning to brown sandy silt with trace clay
DU-5A-23	12/9/2014	1120	0.0	Dark brown sandy gravel transitioning to sandy silt with trace clay
DU-5A-24	12/9/2014	1130	0.0	Brownish orange sandy silt with clay
DU-5A-25	12/9/2014	1305	0.0	Gray brown sandy silt with gravel and rock fragments
DU-5A-26	12/9/2014	1315	0.0	Red orange clay
DU-5A-27	12/9/2014	1325	0.0	Orange clay mixed with brown sandy silt
DU-5A-28	12/9/2014	1335	0.0	Brown silty clay with gravel and rock fragments
DU-5A-29	12/9/2014	1345	0.0	Light brown to gray sandy silt
DU-5A-30	12/9/2014	1355	0.0	Light brown sandy silt with rock fragments
DU-5A-31	12/9/2014	1405	0.0	Light brown sandy silt with trace clay and gravel
DU-5A-32	12/9/2014	1415	0.0	Brown orange silt with clay
DU-5A-33	12/9/2014	1425	0.0	Dark brown silt with rock fragments
DU-5A-34	12/9/2014	1435	0.0	Light brown sandy silt
DU-5A-35	12/9/2014	1445	0.0	Brown orange sandy silt with clay
DU-5A-36	12/9/2014	1515	0.0	Orange brown sandy silt with clay
DU-5A-37	12/9/2014	1525	0.0	Brown gray sandy silt with trace gravel
DU-5A-38	12/9/2014	1540	0.0	Light brown with light orange silty clay with gravel
DU-5A-39	12/9/2014	1550	0.0	Gray brown silt with gravel and sand
DU-5A-40	12/9/2014	1600	0.0	Light brown with light orange silty clay with trace gravel and sand
DU-5A-41	12/9/2014	1615	0.0	Light brown sandy silt with trace clay
DU-5B-1	12/8/2014	1340	NR	Sandy loam / gravel, brown / light brown

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DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-5B-2	12/8/2014	1355	NR	Sandy loam / gravel, grayish brown
DU-5B-3	12/8/2014	1415	NR	Sandy gravel, brownish gray
DU-5B-4	12/8/2014	1455	NR	Sandy loam / gravel, brownish gray
DU-5B-5	12/8/2014	1510	NR	Sandy loam, light brown
DU-5B-6	12/8/2014	1520	NR	Sandy loam / wet, light brown
DU-5B-7	12/8/2014	1530	NR	Sandy loam / gravel, wet, light brown
DU-5B-8	12/8/2014	1535	NR	Sandy loam, light brown
DU-5B-9	12/8/2014	1545	NR	Silt / clay, blackish, dark brown
DU-5B-10	12/8/2014	1555	NR	Sandy loam, light brown
DU-5B-11	12/9/2014	835	NR	Sandy loam, light brown / grayish, asphalt
DU-5B-12	12/9/2014	845	NR	Silt / sandy loam, brown
DU-5B-13	12/9/2014	850	NR	Sandy loam / gravel, light brown
DU-5B-14	12/9/2014	855	NR	Sandy loam / gravel, grayish, light brown
DU-5B-15	12/9/2014	905	NR	Sandy loam / gravel, grayish, light brown
DU-5B-16	12/9/2014	915	NR	Silt / sandy loam, brownish, light brown
DU-5B-17	12/9/2014	925	NR	Sandy loam, light brown
DU-5B-18	12/9/2014	945	NR	Sandy loam / gravel, light brown
DU-5B-19	12/9/2014	1000	NR	Sandy loam / gravel, grayish light brown
DU-5B-20	12/9/2014	1040	NR	Sandy loam / gravel, grayish light brown
DU-5B-21	12/9/2014	1110	NR	Sandy loam / gravel, grayish, reddish light brown
DU-5B-22	12/9/2014	1120	NR	Sandy loam / gravel, grayish / reddish brown
DU-5B-23	12/9/2014	1130	NR	Silt / sandy loam, reddish light brown
DU-5B-24	12/9/2014	1140	NR	Silt / sandy loam / gravel, light brown / reddish
DU-5B-25	12/9/2014	1300	NR	Sandy loam, reddish grayish light brown
DU-5B-26	12/9/2014	1315	NR	Silt sandy loam, reddish brown
DU-5B-27	12/9/2014	1325	NR	Silt sandy clay, reddish brown
DU-5B-28	12/9/2014	1330	NR	Sandy loam, light brown
DU-5B-29	12/9/2014	1350	NR	Sandy loam, brownish light brown
DU-5B-30	12/9/2014	1400	NR	Sandy loam / gravel, reddish light brown
DU-5B-31	12/9/2014	1415	NR	Silt sandy loam, reddish light brown
DU-5B-32	12/9/2014	1425	NR	Sandy clay, reddish / pinkish light brown
DU-5B-33	12/9/2014	1430	NR	Sandy clay, reddish brown
DU-5B-34	12/9/2014	1440	NR	Sandy loam, light brown
DU-5B-35	12/9/2014	1445	NR	Silt sandy loam, reddish light brown
DU-5B-36	12/9/2014	1530	NR	Silt sandy loam, reddish light brown
DU-5B-37	12/9/2014	1540	NR	Sandy loam, reddish light brown
DU-5B-38	12/9/2014	1550	NR	Sandy loam, light brown
DU-5B-39	12/9/2014	1600	NR	Sandy loam, reddish light brown
DU-5B-40	12/9/2014	1605	NR	Sandy loam gravel, grayish light brown
DU-5B-41	12/9/2014	1615	NR	Sandy loam, reddish light brown
DU-5C-1	12/8/2014	1340	0.0	Brown sandy silt with rocks
DU-5C-2	12/8/2014	1355	0.0	Brown sandy silt with rocks and red brick debris
DU-5C-3	12/8/2014	1405	0.0	Light brown to brown sandy silt with rocks, dark gray porous rocks
DU-5C-4	12/8/2014	1455	0.0	Brown sandy silt with rocks
DU-5C-5	12/8/2014	1405	0.0	Brown sandy silt with rocks
DU-5C-6	12/8/2014	1415	0.0	Tan to gray sandy silt with some rocks and trace clay
DU-5C-7	12/8/2014	1425	0.0	Brown sandy silt with rocks and organics
DU-5C-8	12/8/2014	1535	0.0	Brown sandy silt with some orange clay and some organics
DU-5C-9	12/8/2014	1545	0.0	Brown sandy silt, wet
DU-5C-10	12/8/2014	1555	0.0	Brown sandy silt with rocks
DU-5C-11	12/9/2014	835	0.0	Brown sandy silt with rocks
DU-5C-12	12/9/2014	845	0.0	Brown to tan sandy silt with clay and some orange mottling
DU-5C-13	12/9/2014	855	0.0	Brown to tan sandy silt
DU-5C-14	12/9/2014	905	0.0	Brown to light brown sandy silt
DU-5C-15	12/9/2014	915	0.0	Light brown sandy silt with white mottling, some rocks and gravel
DU-5C-16	12/9/2014	920	0.0	Orange to light brown sandy silt with rocks
DU-5C-17	12/9/2014	925	0.0	Brown sandy silt with rocks
DU-5C-18	12/9/2014	935	0.0	Brown sandy silt with rocks
DU-5C-19	12/9/2014	945	0.0	Brown to light brown sandy silt with rocks and some clay
DU-5C-20	12/9/2014	1005	0.0	Brown sandy silt with rocks
DU-5C-21	12/9/2014	1100	0.0	Orange / brown / tan sandy silt with some rocks and some clay finds
DU-5C-22	12/9/2014	1105	0.0	Brown sandy silt with some black mottling and some rocks
DU-5C-23	12/9/2014	1115	0.0	Gray to tan sandy silt with rocks and gravel
DU-5C-24	12/9/2014	1125	0.0	Gray / black to tan sandy silt with gravel and rocks
DU-5C-25	12/9/2014	1305	0.0	Light tan sandy silt
DU-5C-26	12/9/2014	1315	0.0	Orange to tan sandy silt with clay
DU-5C-27	12/9/2014	1325	0.0	Dark tan to orange sandy silt with clay
DU-5C-28	12/9/2014	1335	0.0	Brown sandy silt with some organics and some rocks
DU-5C-29	12/9/2014	1345	0.0	Tan sandy silt with some gravel
DU-5C-30	12/9/2014	1355	0.0	Tan sandy silt with some rocks
DU-5C-31	12/9/2014	1405	0.0	Light brown to tan sandy silt with some rocks
DU-5C-32	12/9/2014	1415	0.0	Light tan sandy silt
DU-5C-33	12/9/2014	1425	0.0	Brown to light brown sandy silt with rocks and organics
DU-5C-34	12/9/2014	1435	0.0	Brown sandy silt with rocks and some organics
DU-5C-35	12/9/2014	1445	0.0	Tan sandy silt with few rocks
DU-5C-36	12/9/2014	1540	0.0	Tan to orange to gray sandy silt with some clay and rocks
DU-5C-37	12/9/2014	1545	0.0	Brown sandy silt with rocks
DU-5C-38	12/9/2014	1555	0.0	Gray to tan sandy silt with rocks and gravel
DU-5C-39	12/9/2014	1605	0.0	Brown to tan sandy silt with rocks
DU-5C-40	12/9/2014	1610	0.0	Tan to orange sandy silt with clay
DU-5C-41	12/9/2014	1615	0.0	Brownish tan sandy silt with some clay
DU-6A-1	12/10/2014	835	0.0	Silty clay, orange brown with trace gravel
DU-6A-2	12/10/2014	845	0.0	Silty clay brown

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-6A-3	12/10/2014	855	0.0	Dark brown silt
DU-6A-4	12/10/2014	905	0.0	Brown silty sand with gravel
DU-6A-5	12/10/2014	915	0.0	Brown with orange tint clay with trace silt and gravel
DU-6A-6	12/10/2014	920	0.0	Dark brown sandy silt with trace clay and gravel
DU-6A-7	12/10/2014	930	0.0	Dark brown silt with gravel and trace clay
DU-6A-8	12/10/2014	940	0.0	Orange brown silty clay with trace gravel
DU-6A-9	12/10/2014	950	0.0	Light brown sandy silt
DU-6A-10	12/10/2014	1100	0.0	Light brown sandy silt with rock fragments
DU-6A-11	12/10/2014	1110	0.0	Dark brown sandy silt with gravel
DU-6A-12	12/10/2014	1120	0.0	Brown sandy silt with gravel
DU-6A-13	12/10/2014	1130	0.0	Dark brown sandy silt with gravel
DU-6A-14	12/10/2014	1140	0.0	Dark brown sandy silt
DU-6A-15	12/10/2014	1150	0.0	Light brown sand with silt
DU-6A-16	12/10/2014	1200	0.0	Light brown sandy silt
DU-6A-17	12/10/2014	1300	0.0	Brown sand silt with gravel, gray
DU-6A-18	12/10/2014	1310	0.0	Light brown sandy silt with gravel
DU-6A-19	12/10/2014	1320	0.0	Brown sandy silt with trace clay
DU-6A-20	12/10/2014	1330	0.0	Light brow sandy silt with trace clay
DU-6A-21	12/10/2014	1340	0.0	Tan silt with fine sand
DU-6A-22	12/10/2014	1350	0.0	Brown transitioning to tan silt with fine sand and trace rock fragments
DU-6A-23	12/10/2014	1400	0.0	Brown sandy silt with trace gravel
DU-6A-24	12/10/2014	1410	0.0	Dark brown sandy silt with rock fragments
DU-6A-25	12/10/2014	1420	0.0	Dark brown silt with gravel and rock fragments
DU-6A-26	12/10/2014	1430	0.0	Dark brown sandy silt
DU-6A-27	12/10/2014	1515	0.0	Dark brown sandy silt with gravel
DU-6A-28	12/10/2014	1525	0.0	Light brown sandy silt
DU-6A-29	12/10/2014	1535	0.0	Light brown sandy silt
DU-6A-30	12/10/2014	1540	0.0	Light brown sandy silt
DU-6A-31	12/10/2014	1545	0.0	Light brown transitioning to gray sandy silt
DU-6A-32	12/10/2014	1550	0.0	Dark brown sandy silt with gravel
DU-6A-33	12/11/2014	845	0.0	Brown sandy silt with gravel
DU-6A-34	12/11/2014	850	0.0	Brown / gray silty sand with gravel and rock fragments
DU-6A-35	12/11/2014	855	0.0	Orange brown silty clay
DU-6A-36	12/11/2014	900	0.0	Brown sandy silt
DU-6A-37	12/11/2014	910	0.0	Brown silty sand with trace rock fragments
DU-6A-38	12/11/2014	915	0.0	Brown sandy silt with trace gravel
DU-6A-39	12/11/2014	925	0.0	Brown sandy silt with trace gravel
DU-6A-40	12/11/2014	935	0.0	Light brown sandy silt with trace gravel
DU-6A-41	12/11/2014	950	0.0	Brown silty clay with trace gravel
DU-6A-42	12/11/2014	1100	0.0	Brown sandy silt with trace gravel
DU-6A-43	12/11/2014	1100	0.0	Light brown sandy silt
DU-6A-44	12/11/2014	1110	0.0	Brown with orange tint silty clay with trace gravel
DU-6A-45	12/11/2014	1120	0.0	Brown sandy silt with gravel
DU-6A-46	12/11/2014	1130	0.0	Dark brown sandy silt with gravel
DU-6A-47	12/11/2014	1140	0.0	Dark brown silty clay with gravel
DU-6A-48	12/11/2014	1150	0.0	Brown sandy silt with gravel
DU-6B-1	12/10/2014	835	NR	Silt sandy loam, reddish brown
DU-6B-2	12/10/2014	840	NR	Sandy loam, light brown
DU-6B-3	12/10/2014	850	NR	Sandy loam, red / light brown
DU-6B-4	12/10/2014	900	NR	Silt / sandy loam, reddish light brown
DU-6B-5	12/10/2014	905	NR	Sandy clay, red / light brown
DU-6B-6	12/10/2014	915	NR	Sandy loam, light brown
DU-6B-7	12/10/2014	930	NR	Silt sandy loam / gravel, brown
DU-6B-8	12/10/2014	940	NR	Silt sandy loam, brownish light brown
DU-6B-9	12/10/2014	950	NR	Silt / sandy clay, reddish light brown
DU-6B-10	12/10/2014	1100	NR	Silt / sandy loam, reddish light brown
DU-6B-11	12/10/2014	1115	NR	Sandy loam / gravel, reddish / grayish light brown
DU-6B-12	12/10/2014	1125	NR	Sandy loam / gravel, brown
DU-6B-13	12/10/2014	1130	NR	Sandy loam / gravel, grayish light brown
DU-6B-14	12/10/2014	1140	NR	Sandy loam / gravel, grayish brown
DU-6B-15	12/10/2014	1145	NR	Sand / gravel, brown
DU-6B-16	12/10/2014	1150	NR	Sandy loam / gravel, grayish / brownish light brown
DU-6B-17	12/10/2014	1305	NR	Sandy loam / gravel, brown
DU-6B-18	12/10/2014	1315	NR	Sandy loam / gravel, light brown
DU-6B-19	12/10/2014	1320	NR	Sandy loam / gravel, reddish light brown, brick fragments
DU-6B-20	12/10/2014	1330	NR	Sandy loam / gravel, brown
DU-6B-21	12/10/2014	1340	NR	Sandy loam / clay, light brown
DU-6B-22	12/10/2014	1350	NR	Silt / sandy loam, reddish light brown
DU-6B-23	12/10/2014	1400	NR	Sandy loam / gravel, brown
DU-6B-24	12/10/2014	1405	NR	Sandy loam / gravel, grayish brown
DU-6B-25	12/10/2014	1415	NR	Sandy loam / gravel, grayish brown
DU-6B-26	12/10/2014	1420	NR	Sandy loam / gravel, grayish brown
DU-6B-27	12/10/2014	1510	NR	Sandy clay, reddish light brown
DU-6B-28	12/10/2014	1525	NR	Sandy loam, reddish light brown
DU-6B-29	12/10/2014	1530	NR	Sandy loam, light brown
DU-6B-30	12/10/2014	1540	NR	Sand / sandy loam, light brown
DU-6B-31	12/10/2014	1550	NR	Sandy loam / gravel, grayish brown, foam like debris
DU-6B-32	12/10/2014	1600	NR	Sandy loam / gravel, grayish brown, plastic and foam like debris
DU-6B-33	12/11/2014	840	NR	Sandy loam / gravel, grayish brown
DU-6B-34	12/11/2014	850	NR	Sandy loam / gravel, grayish brown
DU-6B-35	12/11/2014	855	NR	Sandy loam, reddish brown
DU-6B-36	12/11/2014	905	NR	Sandy loam, light brown
DU-6B-37	12/11/2014	910	NR	Sandy / sandy loam, light brown / tan

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-6B-38	12/11/2014	920	NR	Sandy loam / gravel, grayish brown
DU-6B-39	12/11/2014	935	NR	Sandy loam / gravel, grayish brown
DU-6B-40	12/11/2014	945	NR	Sandy loam / gravel, brown
DU-6B-41	12/11/2014	955	NR	Sandy loam, reddish light brown
DU-6B-42	12/11/2014	1100	NR	Sandy loam, reddish light brown
DU-6B-43	12/11/2014	1110	NR	Sandy loam / gravel, reddish brown
DU-6B-44	12/11/2014	1120	NR	Sandy loam / gravel, brown
DU-6B-45	12/11/2014	1125	NR	Sandy loam / gravel, grayish light brown
DU-6B-46	12/11/2014	1140	NR	Sand / gravel, gray
DU-6B-47	12/11/2014	1145	NR	Sandy loam / gravel, grayish brown, concrete and metal fragments
DU-6B-48	NR	NR	NR	NR
DU-6C-1	12/10/2014	835	0.0	Orange to tan silty sand with rocks and clay finds
DU-6C-2	12/10/2014	840	0.0	Orange to tan sandy silt to silty sand
DU-6C-3	12/10/2014	850	0.0	Brown to gray sandy silt with gravel
DU-6C-4	12/10/2014	900	0.0	Light brown to tan sandy silt with rocks
DU-6C-5	12/10/2014	910	0.0	Light brown sandy silt with rocks and some organics
DU-6C-6	12/10/2014	920	0.0	Brown to light brown sandy silt with rocks
DU-6C-7	12/10/2014	930	NR	Brown sandy silt with rocks
DU-6C-8	12/10/2014	940	0.0	Brown sandy silt with rocks
DU-6C-9	12/10/2014	950	0.0	Brown to light brown sandy silt with rocks
DU-6C-10	12/10/2014	1055	0.0	Brown sandy silt with rocks and some organics
DU-6C-11	12/10/2014	1105	0.0	Brown to light brown sandy silt with rock / brick debris
DU-6C-12	12/10/2014	1115	0.0	Brown sandy silt with rocks
DU-6C-13	12/10/2014	1125	0.0	Brown to light brown sandy silt with rocks and some organics
DU-6C-14	12/10/2014	1135	0.0	Brown sandy silt with rocks and organics
DU-6C-15	12/10/2014	1145	NR	Light brown sandy silt
DU-6C-16	12/10/2014	1200	0.0	Tan to light brown sandy silt
DU-6C-17	12/10/2014	1300	0.0	Brown to light brown sandy silt with rocks
DU-6C-18	12/10/2014	1310	0.0	Light brow sandy silt
DU-6C-19	12/10/2014	1320	0.0	Brown sandy silt with rocks and organics
DU-6C-20	12/10/2014	1325	0.0	Brown to light tan sandy silt
DU-6C-21	12/10/2014	1340	0.0	Light tan sandy silt to silty sand
DU-6C-22	12/10/2014	1350	0.0	Tan to orange sandy silt
DU-6C-23	12/10/2014	1400	0.0	Brown sandy silt with rocks
DU-6C-24	12/10/2014	1410	0.0	Brown sandy silt with rocks
DU-6C-25	12/10/2014	1415	0.0	Light brown to tan sandy silt to silty sand
DU-6C-26	12/10/2014	1425	0.0	Brown sandy silt with rocks
DU-6C-27	12/10/2014	1505	0.0	Light brown sandy silt with some orange
DU-6C-28	12/10/2014	1515	0.0	Light tan sand with some silt
DU-6C-29	12/10/2014	1525	0.0	Brown sandy silt with rocks and organics
DU-6C-30	12/10/2014	1535	0.0	Light tan / tan silty sand
DU-6C-31	12/10/2014	1550	0.0	Light brown / brown sandy silt
DU-6C-32	12/10/2014	1605	0.0	Brown sandy silt with rocks
DU-6C-33	12/11/2014	840	0.0	Brown sandy silt with gravel
DU-6C-34	12/11/2014	850	0.0	Brown sandy silt with rocks and gravel
DU-6C-35	12/11/2014	900	0.0	Brown sandy silt with rocks
DU-6C-36	12/11/2014	910	0.0	Brown sandy silt with rocks and organics
DU-6C-37	12/11/2014	915	0.0	Brown to tan sandy silt with some rocks
DU-6C-38	12/11/2014	920	0.0	Brown sandy silt with rocks and a piece of plastic debris
DU-6C-39	12/11/2014	935	0.0	Brown sandy silt with rocks and organics
DU-6C-40	12/11/2014	945	0.0	Light brown sandy silt with rock and organics
DU-6C-41	12/11/2014	955	0.0	Light brown to brown sandy silt with rocks
DU-6C-42	12/11/2014	1100	0.0	Brown to dark brown sandy silt with rocks
DU-6C-43	12/11/2014	1115	0.0	Light brown sandy silt with rocks
DU-6C-44	12/11/2014	1125	0.0	Brown sandy silt with rocks
DU-6C-45	12/11/2014	1135	0.0	Light brown / brown sandy silt with rocks
DU-6C-46	12/11/2014	1140	0.0	Brown sandy silt with rocks and organics
DU-6C-47	12/11/2014	1150	0.0	Brown sandy silt with rocks
DU-6C-48	12/11/2014	1200	NR	Brown / light brown sandy silt with rocks
DU-7A-1	12/11/2014	1355	0.0	Dark brown sandy silt with trace gravel
DU-7A-2	12/11/2014	1405	0.0	Brown silty sand with trace gravel
DU-7A-3	12/11/2014	1415	0.0	Brown sandy silt with trace gravel
DU-7A-4	12/11/2014	1425	0.0	Dark brown sandy silt with gravel
DU-7A-5	12/11/2014	1435	0.0	Brown sandy silt with gravel
DU-7A-6	12/11/2014	1445	0.0	Orangeish brown silty sand with trace clay
DU-7A-7	12/11/2014	1555	0.0	Brown sandy silt with patches of gravel
DU-7A-8	12/11/2014	1305	0.0	Brown sandy silt with gravel
DU-7A-9	12/11/2014	1535	0.0	Dark brown sandy silt with large rock fragments and gravel
DU-7A-10	12/11/2014	1545	0.0	Brown sandy silt with gravel and rock fragments
DU-7A-11	12/11/2014	1550	0.0	Brown sandy silt with trace gravel
DU-7A-12	12/11/2014	1600	0.0	Brown sandy silt with gravel and rock fragments
DU-7A-13	12/11/2014	1610	0.0	Brown sandy silt with gravel and trace clay
DU-7A-14	12/11/2014	1620	0.0	Dark brown sandy silt with gravel and rock fragments
DU-7A-15	12/12/2014	815	0.0	Dark brown sandy silt with trace rock fragments
DU-7A-16	12/12/2014	820	0.0	Light brown with orange tint sandy silt with trace clay and rock fragments
DU-7A-17	12/12/2014	825	0.0	Dark brown silty sand with gravel
DU-7A-18	12/12/2014	830	0.0	Brown sandy silt
DU-7A-19	12/12/2014	835	0.0	Dark brown sandy silt with gravel
DU-7A-20	12/12/2014	855	0.0	Brown sandy silt with trace clay
DU-7A-21	12/12/2014	905	0.0	Dark brown sandy silt with gravel
DU-7A-22	12/12/2014	910	0.0	Light brown silty sand with trace clay
DU-7A-23	12/12/2014	920	0.0	Dark brown silt with gravel
DU-7A-24	12/12/2014	930	0.0	Light brown sandy silt with trace clay

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DU-7A-25	12/12/2014	935	0.0	Dark brown sandy silt with trace clay and gravel
DU-7A-26	12/12/2014	945	0.0	Dark brown silt with trace gravel and sand
DU-7A-27	12/12/2014	1000	0.0	Brown sandy silt with trace gravel
DU-7A-28	12/12/2014	1010	0.0	Dark brown silt with trace clay and gravel
DU-7A-29	12/12/2014	1015	0.0	Brown sandy silt with trace gravel
DU-7A-30	12/12/2014	1020	0.0	Brown sandy silt with gravel
DU-7A-31	12/15/2014	1340	0.0	Light brown / gray sandy silt with gravel
DU-7A-32	12/15/2014	1350	0.0	Dark brown sandy silt and gravel
DU-7A-33	12/15/2014	1400	0.0	Brown sandy silt with trace gravel
DU-7A-34	12/15/2014	1410	0.0	Brown sandy silt with rock fragments
DU-7A-35	12/15/2014	1420	0.0	Brown sandy silt with rock fragments
DU-7B-1	12/11/2014	1350	NR	Sandy loam / gravel, grayish brown
DU-7B-2	12/11/2014	1400	NR	Sandy loam / gravel, brown
DU-7B-3	12/11/2014	1410	NR	Sandy loam, reddish light brown
DU-7B-4	12/11/2014	1415	NR	Sandy loam / gravel, brown, asphalt debris
DU-7B-5	12/11/2014	1425	NR	Sandy loam / gravel, reddish brown, light brown
DU-7B-6	12/11/2014	1435	NR	Sandy loam, reddish light brown
DU-7B-7	12/11/2014	NR	NR	NR
DU-7B-8	12/11/2014	1445	NR	Sandy loam, reddish light brown
DU-7B-9	12/11/2014	1455	NR	Sandy loam / gravel, grayish brownish light brown
DU-7B-10	12/11/2014	1540	NR	Sandy loam / gravel, brownish light brown
DU-7B-11	12/11/2014	1550	NR	Sandy loam, reddish light brown
DU-7B-12	12/11/2014	1600	NR	Sandy loam, light brown
DU-7B-13	12/11/2014	1610	NR	Sandy loam / gravel, grayish brown
DU-7B-14	12/11/2014	1620	NR	Sandy loam / gravel, brown
DU-7B-15	12/12/2014	800	NR	Sandy loam, light brown
DU-7B-16	12/12/2014	810	NR	Sand / gravel, brownish gray
DU-7B-17	12/12/2014	820	NR	Sandy gravel, grayish brown
DU-7B-18	12/12/2014	830	NR	Sandy gravel, light brownish brown
DU-7B-19	12/12/2014	845	NR	Sandy loam, brown
DU-7B-20	12/12/2014	900	NR	Sandy loam / gravel, light brown
DU-7B-21	12/12/2014	905	NR	Sandy loam, light brown
DU-7B-22	12/12/2014	915	NR	Sandy loam, light brown
DU-7B-23	12/12/2014	920	NR	Sandy loam / gravel, brownish dark brown
DU-7B-24	12/12/2014	925	NR	Sandy loam / gravel, brownish light brown
DU-7B-25	12/12/2014	940	NR	Sand / sandy loam, light brown
DU-7B-26	12/12/2014	955	NR	Silt, blackish dark brown
DU-7B-27	12/12/2014	1005	NR	Silt / sandy loam, light brown
DU-7B-28	12/12/2014	1010	NR	Silt / sand / gravel, brown
DU-7B-29	12/12/2014	1020	NR	Sandy loam / gravel, grayish brown, light brown
DU-7B-30	12/12/2014	1030	NR	Sandy loam / gravel, brownish light brown
DU-7B-31	12/15/2014	1340	NR	Moist, light brown, sandy, little silt, some gravel
DU-7B-32	12/15/2014	1350	NR	Moist brown sand, some gravel
DU-7B-33	12/15/2014	1400	NR	Very moist light brown sand, little gravel
DU-7B-34	12/15/2014	1410	NR	Moist light brown sand, little silt, little gravel
DU-7B-35	12/15/2014	1410	NR	Moist light brown sand, little silt, little gravel
DU-7C-1	12/11/2014	1350	0.0	Brown sandy silt with rocks and organics
DU-7C-2	12/11/2014	1400	0.0	Light brown sandy silt with rocks
DU-7C-3	12/11/2014	1410	0.0	Brown / light brown sandy silt with rocks
DU-7C-4	12/11/2014	1420	0.0	Light brown sandy silt with some clay finds
DU-7C-5	12/11/2014	1430	0.0	Brown to gray to tan sandy silt with clay finds
DU-7C-6	12/11/2014	1445	0.0	Light tan silty sand
DU-7C-7	12/11/2014	1455	0.0	Brown sandy silt with rocks
DU-7C-8	12/11/2014	1535	0.0	Brown sandy silt with rocks
DU-7C-9	12/11/2014	1545	0.0	Light brown sandy silt with rocks and some organics
DU-7C-10	12/11/2014	1550	0.0	Light tan silty sand
DU-7C-11	12/11/2014	1555	NR	Light tan silty sand
DU-7C-12	12/11/2014	1600	NR	Light tan silty sand
DU-7C-13	12/11/2014	1610	NR	Brown sandy silt
DU-7C-14	12/11/2014	1620	0.0	Brown sandy silt with rocks
DU-7C-15	12/12/2014	805	NR	Sandy loam / gravel, reddish light brown
DU-7C-16	12/12/2014	815	NR	Sandy loam / gravel, red / grayish light brown
DU-7C-17	12/12/2014	820	NR	Sandy gravel, brownish gray
DU-7C-18	12/12/2014	835	NR	Sandy loam / gravel, grayish brown
DU-7C-19	12/12/2014	850	NR	Sand / gravel, gray / brown, wet
DU-7C-20	12/12/2014	905	NR	Sandy loam / gravel, light brown
DU-7C-21	12/12/2014	910	NR	Sandy loam / gravel, light brown
DU-7C-22	12/12/2014	915	NR	Sandy silt, light brown, trace clay
DU-7C-23	12/12/2014	925	NR	Silt, black to brown
DU-7C-24	12/12/2014	930	NR	Silt, brown
DU-7C-25	12/12/2014	935	NR	Dark brown silt with gravel
DU-7C-26	12/12/2014	945	NR	Dark brown silt with gravel
DU-7C-27	12/12/2014	1005	NR	Brown sandy silt with trace gravel
DU-7C-28	12/12/2014	1015	NR	Dark brown silt with trace clay and gravel
DU-7C-29	12/12/2014	1025	NR	Brown sandy silt with trace gravel
DU-7C-30	12/12/2014	1035	NR	Brown sandy silt with gravel
DU-7C-31	12/15/2014	1340	0.0	Brown sandy silt with rocks
DU-7C-32	12/15/2014	1350	0.0	Light brown silt with some sand and rock and two pieces of foam debris
DU-7C-33	12/15/2014	1400	0.0	Light brown sandy silt with some rocks
DU-7C-34	12/15/2014	1410	0.0	Brown sandy silt with rocks
DU-7C-35	12/15/2014	1420	0.0	Brown to light brown sandy silt with some rocks
DU-8A-1	12/15/2014	1500	0.0	Light brown sandy silt with gravel and rock fragments
DU-8A-2	12/15/2014	1510	0.0	Brown sandy silt with rock fragments

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DU-8A-3	12/15/2014	1525	0.0	Light brown silty sand with trace gravel
DU-8A-4	12/15/2014	1540	0.0	Light brown silty sand
DU-8A-5	12/15/2014	1555	0.0	Light brown silty sand with trace gravel
DU-8A-6	12/15/2014	1605	0.0	Brown sandy silt with trace clay
DU-8A-7	12/15/2014	1615	0.0	Light brown sandy silt with patches of very dark brown
DU-8A-8	12/15/2014	1625	0.0	Dark brown sandy silt with trace gravel
DU-8A-9	12/16/2014	840	0.0	Dark brown silty clay
DU-8A-10	12/16/2014	850	0.0	Dark brown sandy silt with trace clay
DU-8A-11	12/16/2014	905	0.0	Light brown sandy silt with trace gravel and rock fragments
DU-8A-12	12/16/2014	915	0.0	Dark brown sandy silt with gravel and rock fragments
DU-8A-13	12/16/2014	925	0.0	Light brown sandy silt with gravel
DU-8A-14	12/16/2014	930	0.0	Light brown silty sand with trace rock fragments
DU-8A-15	12/16/2014	940	0.0	Light brown silty sand with trace gravel
DU-8A-16	12/16/2014	950	0.0	Light brown silty sand with rock fragments
DU-8A-17	12/16/2014	1000	0.0	Light brown sandy silt with trace gravel
DU-8A-18	12/16/2014	1010	0.0	Dark brown sandy silt with clay and trace gravel
DU-8A-19	12/16/2014	1015	0.0	Wet, dark brown silt with organics
DU-8A-20	12/16/2014	1025	0.0	Brown sandy silt with orange tint and gravel
DU-8A-21	12/16/2014	1035	0.0	Brown sandy silt with gravel and gray mottling
DU-8A-22	12/16/2014	1045	0.0	Brown sandy silt
DU-8A-23	12/16/2014	1100	0.0	Brown with orange tint sandy silt
DU-8A-24	12/16/2014	1110	0.0	Brown silty sand with clay and trace gravel
DU-8A-25	12/16/2014	1120	0.0	Brownish orange sandy silt
DU-8A-26	12/16/2014	1130	0.0	Dark brown sandy silt with trace clay
DU-8A-27	12/16/2014	1140	0.0	Dark brown sandy silt with trace clay
DU-8A-28	12/16/2014	1330	0.0	Light brown sandy silt with rock fragments
DU-8A-29	12/16/2014	1340	0.0	Light brown sandy silt with rock fragments
DU-8A-30	12/16/2014	1350	0.0	Light brown sandy silt
DU-8A-31	12/16/2014	1400	0.0	Brown sandy silt with rock fragments
DU-8A-32	12/16/2014	1410	0.0	Dark brown sandy silt with trace clay and gravel
DU-8A-33	12/16/2014	1420	0.0	Dark brown sandy silt with trace clay
DU-8A-34	12/16/2014	1430	0.0	Dark brown sandy silt with rock fragments
DU-8A-35	12/16/2014	1440	0.0	Brown sandy silt
DU-8A-36	12/16/2014	1450	0.0	Light brown sandy silt with rock fragments and patches of gray sandy silt
DU-8A-37	12/16/2014	1500	0.0	Brown sandy silt with rock fragments
DU-8A-38	12/16/2014	1540	0.0	Light brown sandy silt with rock fragments
DU-8A-39	12/16/2014	1550	0.0	Light brown sandy silt with rock fragments
DU-8A-40	12/16/2014	1600	0.0	Light brown sandy silt with rock fragments
DU-8A-41	12/16/2014	1610	0.0	Light brown sandy silt
DU-8A-42	12/16/2014	1620	0.0	Light brown sandy silt
DU-8A-43	12/16/2014	1630	0.0	Dark brown silt and gravel
DU-8A-44	12/16/2014	1640	0.0	Light brown sandy silt
DU-8A-45	12/17/2014	835	0.0	Light brown sandy silt with rock fragments and gravel
DU-8A-46	12/17/2014	850	0.0	Light brown sandy silt
DU-8A-47	12/17/2014	900	0.0	Light brown sandy silt with gravel
DU-8A-48	12/17/2014	910	0.0	Light brown sandy silt with trace gravel
DU-8A-49	12/17/2014	1000	0.0	Light brown sandy silt with rock fragments and gravel
DU-8A-50	12/17/2014	1010	0.0	Brown orange sandy silt with gravel
DU-8A-51	12/17/2014	1015	0.0	Light brown sandy silt
DU-8A-52	NR	NR	NR	NR
DU-8B-1	12/15/2014	1500	NR	Moist, light brown sand, little silt, little gravel
DU-8B-2	12/15/2014	1530	NR	Moist, light brown sand, some gravel, trace silt
DU-8B-3	12/15/2014	1540	NR	Moist brown sand, some silt, little gravel
DU-8B-4	12/15/2014	1545	NR	Moist, light brown sand, little gravel, trace silt
DU-8B-5	12/15/2014	1555	NR	Moist brown sand, little gravel, trace silt
DU-8B-6	12/15/2014	1605	NR	Moist brown sand, trace silt, little gravel
DU-8B-7	12/15/2014	1610	NR	Moist dark brown sandy peat
DU-8B-8	12/15/2014	1620	NR	Moist dark brown sandy peat grading to silty sand last
DU-8B-9	12/16/2014	840	NR	Moist dark brown silt, some sand
DU-8B-10	12/16/2014	850	NR	Very moist brown sand, some silt
DU-8B-11	12/16/2014	905	NR	Moist, light brown sand, some gravel, trace silt
DU-8B-12	12/16/2014	915	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-13	12/16/2014	920	NR	Moist light brown sand, little gravel, trace silt
DU-8B-14	12/16/2014	930	NR	Moist light brown sand, trace gravel
DU-8B-15	12/16/2014	940	NR	Moist light brown sand, little gravel, trace silt
DU-8B-16	12/16/2014	950	NR	Moist brown sand, little gravel, trace silt
DU-8B-17	12/16/2014	1000	NR	Moist light brown sand, some silt, trace gravel
DU-8B-18	12/16/2014	1005	NR	Very moist brown-gray sand interbedded with silt, trace gravel
DU-8B-19	12/16/2014	1015	NR	Wet dark gray sand, some silt
DU-8B-20	12/16/2014	1035	NR	Moist light brown sand, little gravel, trace silt
DU-8B-21	12/16/2014	1045	NR	Slightly moist light brown sand, little silt, some gravel, trace fiberglass, aluminum and tile
DU-8B-22	12/16/2014	1055	NR	Moist light brown sand, some gravel, trace silt
DU-8B-23	12/16/2014	1105	NR	Moist light brown sand, some gravel, trace silt
DU-8B-24	12/16/2014	1110	NR	Moist light brown sand, trace silt, trace gravel
DU-8B-25	12/16/2014	1120	NR	Moist brown-orange silt, some sand, trace gravel
DU-8B-26	12/16/2014	1130	NR	Very moist tan-gray sand, some silt, trace gravel
DU-8B-27	12/16/2014	1140	NR	Very moist to wet light brown sand, some silt, little gravel
DU-8B-28	12/16/2014	1335	NR	Moist, light brown sand, little gravel, trace silt
DU-8B-29	12/16/2014	1345	NR	Moist light brown sand, little gravel, trace silt
DU-8B-30	12/16/2014	1355	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-31	12/16/2014	1405	NR	Moist light brown sand, trace gravel
DU-8B-32	12/16/2014	1410	NR	Moist brown sand, some silt, trace gravel
DU-8B-33	12/16/2014	1420	NR	Very moist dark brown sand, some silt

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DU-8B-34	12/16/2014	1435	NR	Moist light brown sand, some gravel
DU-8B-35	12/16/2014	1445	NR	Moist brown sand, little gravel, trace silt
DU-8B-36	12/16/2014	1450	NR	Moist light brown sand, little gravel
DU-8B-37	12/16/2014	1500	NR	Moist light brown sand, some gravel, trace silt
DU-8B-38	12/16/2014	1540	NR	Moist light brown sand, some gravel, trace silt
DU-8B-39	12/16/2014	1550	NR	Moist light brown sand, some gravel, trace silt
DU-8B-40	12/16/2014	1600	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-41	12/16/2014	1610	NR	Moist light brown sand, some gravel, trace silt
DU-8B-42	12/16/2014	1620	NR	Slightly moist light brown sand, little gravel
DU-8B-43	12/16/2014	1625	NR	Slightly moist light brown sand, little gravel, trace silt
DU-8B-44	12/16/2014	1635	NR	Moist light brown sand, little gravel, trace silt
DU-8B-45	12/17/2014	840	NR	Moist brown sand, trace gravel
DU-8B-46	12/17/2014	850	NR	Slightly moist pink sand (crushed brick), trace gravel
DU-8B-47	12/17/2014	900	NR	Slightly moist brown sand, little silt
DU-8B-48	12/17/2014	910	NR	Moist light brown sand, some gravel, trace silt
DU-8B-49	12/17/2014	1000	NR	Slightly moist light brown sand, little gravel, trace silt
DU-8B-50	12/17/2014	1010	NR	Moist brown sand, some gravel
DU-8B-51	12/17/2014	1015	NR	Moist brown sand, some silt, trace gravel
DU-8B-52	12/17/2014	1020	NR	Moist brown sand, some silt, little gravel
DU-8C-1	12/15/2014	1500	0.0	Brown to light brown sandy silt with rocks
DU-8C-2	12/15/2014	1530	0.0	Light brown sandy silt with rocks and organics
DU-8C-3	12/15/2014	1540	0.0	Light brown sandy silt with some gravel
DU-8C-4	12/15/2014	1550	0.0	Brown to light brown sandy silt
DU-8C-5	12/15/2014	1600	0.0	Brown sandy silt with rocks and organics
DU-8C-6	12/15/2014	1605	0.0	Brown to light brown sandy silt with rocks
DU-8C-7	12/15/2014	1615	0.0	Brown sandy silt with some orange clay and gravel
DU-8C-8	12/15/2014	1625	0.0	Brown to black sandy silt with rocks
DU-8C-9	12/16/2014	835	0.0	Dark brown sandy silt with some rocks
DU-8C-10	12/16/2014	850	0.0	Dark brown to gray sandy silt with organics
DU-8C-11	12/16/2014	900	0.0	Light brown sandy silt with rocks and some organics
DU-8C-12	12/16/2014	910	0.0	Light brown sandy silt with rocks
DU-8C-13	12/16/2014	920	0.0	Tan silty sand to sandy silt
DU-8C-14	12/16/2014	925	0.0	Tan sandy silt with some organics
DU-8C-15	12/16/2014	935	0.0	Brown to tan sandy silt with rocks
DU-8C-16	12/16/2014	945	0.0	Light brown to tan sandy silt with rocks
DU-8C-17	12/16/2014	955	0.0	Brown to tan sandy silt with rocks and organics
DU-8C-18	12/16/2014	1000	0.0	Light brown / brown sandy silt
DU-8C-19	12/16/2014	1010	0.0	Brown silt with some clay
DU-8C-20	12/16/2014	1030	0.0	Brown to light brown sandy silt with some rocks
DU-8C-21	12/16/2014	1040	0.0	Light brown sandy silt with rocks
DU-8C-22	12/16/2014	1055	0.0	Tan sandy silt with rocks
DU-8C-23	12/16/2014	1105	0.0	Light brown / tan sandy silt with some rocks
DU-8C-24	12/16/2014	1115	0.0	Light brown silt with clay and some sand
DU-8C-25	12/16/2014	1125	0.0	Light brown / orange silt with clay and sand
DU-8C-26	12/16/2014	1130	0.0	Light brown / tan sandy silt to silty sand
DU-8C-27	12/16/2014	1140	0.0	Brown silt with some sand and rocks / organics
DU-8C-28	12/16/2014	1330	0.0	Brown silt with some clay
DU-8C-29	12/16/2014	1340	0.0	Tan sandy silt with some rocks
DU-8C-30	12/16/2014	1350	0.0	Brown sandy silt with rocks, organics, and some wood debris
DU-8C-31	12/16/2014	1400	0.0	Brown to dark gray sandy silt with rocks
DU-8C-32	12/16/2014	1410	0.0	Brown to tan sandy silt to silty sand
DU-8C-33	12/16/2014	1420	0.0	Brown sandy silt with some rocks
DU-8C-34	12/16/2014	1430	0.0	Brown to gray sandy silt, wet with rocks
DU-8C-35	12/16/2014	1440	0.0	Brown sandy silt with rocks and organics
DU-8C-36	12/16/2014	1450	0.0	Brown sandy silt with some rocks
DU-8C-37	12/16/2014	1500	0.0	Brown sandy silt with rocks
DU-8C-38	12/16/2014	1540	0.0	Light tan to white sandy silt / silty sand
DU-8C-39	12/16/2014	1550	0.0	Light brown / brown sandy silt with rocks
DU-8C-40	12/16/2014	1600	0.0	Light brown / tan / light tan sandy silt with rocks
DU-8C-41	12/16/2014	1610	0.0	Brown to light brown sandy silt
DU-8C-42	12/16/2014	1615	0.0	Light brown sandy silt with trace clay
DU-8C-43	12/16/2014	1625	0.0	Light brown sandy silt with rocks and organics
DU-8C-44	12/16/2014	1630	0.0	Light brown sandy silt with rocks
DU-8C-45	12/17/2014	840	0.0	Brown sandy silt with rocks
DU-8C-46	12/17/2014	850	0.0	Light brown sandy silt with rocks
DU-8C-47	12/17/2014	900	0.0	Light brown sandy silt with rocks
DU-8C-48	12/17/2014	910	0.0	Brown to light brown sandy silt with rocks
DU-8C-49	12/17/2014	1000	0.0	Light brown / brown sandy silt with rocks
DU-8C-50	12/17/2014	1005	0.0	Light brown sandy silt with some rocks
DU-8C-51	12/17/2014	1015	0.0	Light brown sandy silt with few rocks
DU-8C-52	12/17/2014	NR	0.0	Light brown sandy silt with few rocks and clay
DU-9A-1	12/17/2014	1110	0.0	Light brown sandy silt
DU-9A-2	12/17/2014	1120	0.0	Light brown sandy silt
DU-9A-3	12/17/2014	1125	0.0	Light brown sandy silt with some gravel
DU-9A-4	12/17/2014	1130	0.0	Light brown sandy silt with dark brown mottling and some gravel
DU-9A-5	12/17/2014	1135	0.0	Dark brown sandy silt with light brown mottling and gravel
DU-9A-6	12/17/2014	1140	0.0	Brown sandy silt
DU-9A-7	12/17/2014	1150	0.0	Dark brown sandy silt with gravel
DU-9A-8	12/17/2014	1345	0.0	Dark brown silt with trace sand
DU-9A-9	12/17/2014	1355	0.0	Dark brown silt with trace clay
DU-9A-10	12/17/2014	1405	0.0	Dark brown silt with gravel
DU-9A-11	12/17/2014	1415	0.0	Light brown sandy silt
DU-9A-12	12/17/2014	1425	0.0	Brown silt with trace sand

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DU-9A-13	12/17/2014	1435	0.0	Brown sandy silt with trace gravel
DU-9A-14	12/17/2014	1440	0.0	Light brown sandy silt
DU-9A-15	12/17/2014	1450	0.0	Dark brown silt with heavy gravel
DU-9A-16	12/17/2014	1500	0.0	Light brown mixed with some gray sandy silt
DU-9A-17	12/17/2014	1530	0.0	Light brown sandy silt with patches of gray
DU-9A-18	12/17/2014	1545	0.0	Dark brown silt with gray areas and gravel
DU-9A-19	12/17/2014	1555	0.0	Dark brown sandy silt
DU-9A-20	12/17/2014	1605	0.0	Dark brown sandy silt
DU-9A-21	12/17/2014	1615	0.0	Brown orange silty clay with gravel
DU-9A-22	12/17/2014	1625	0.0	Brown / orange silty clay with some rock fragments
DU-9A-23	12/17/2014	1635	0.0	Light brown with gray patches of sandy silt with gravel
DU-9A-24	12/17/2014	1645	0.0	Light brown with gray sandy silt
DU-9A-25	12/18/2014	835	0.0	Light brown sandy silt with gravel
DU-9A-26	12/18/2014	845	0.0	Light brown sandy silt
DU-9A-27	12/18/2014	850	0.0	Light brown sandy silt with trace rock fragments
DU-9A-28	12/18/2014	900	0.0	Light brown sandy silt
DU-9A-29	12/18/2014	945	0.0	Brown silt with trace clay and gravel
DU-9A-30	12/18/2014	955	0.0	Brown sandy silt with trace gravel
DU-9A-31	12/18/2014	1005	0.0	Brown silty clay with trace gravel
DU-9A-32	12/18/2014	1015	0.0	Brown sandy silt with trace gravel and trace clay
DU-9A-33	12/18/2014	1020	0.0	Brown orange silty clay
DU-9A-34	12/18/2014	1030	0.0	Orange brown silty clay with trace gravel
DU-9A-35	12/18/2014	1040	0.0	Light brown / tan sandy silt
DU-9A-36	12/18/2014	1050	0.0	Light brown sandy silt with gravel
DU-9A-37	12/18/2014	1100	0.0	Light brown / tan sandy silt
DU-9A-38	12/18/2014	1110	0.0	Gray sandy silt transitioning to dark brown silty clay with gravel
DU-9A-39	12/18/2014	1120	0.0	Brown orange silty clay
DU-9A-40	12/18/2014	1130	0.0	Orange brown silty clay with gravel
DU-9A-41	12/18/2014	1400	0.0	Orange brown sandy silt with trace clay
DU-9A-42	12/18/2014	1415	0.0	Orange brown silty clay with trace gravel
DU-9A-43	12/18/2014	1430	0.0	Light brown with gray patches, sandy silt
DU-9A-44	12/18/2014	1445	0.0	Orange brown silty clay with trace gravel
DU-9A-45	12/18/2014	1510	0.0	Orange brown silty clay
DU-9A-46	12/18/2014	1535	0.0	Light brown sandy silt
DU-9A-47	12/18/2014	1545	0.0	Brown silty clay
DU-9A-48	12/18/2014	1600	0.0	Brown sandy silt with trace clay
DU-9A-49	12/18/2014	1615	0.0	Brown sandy silt with gravel
DU-9B-1	12/17/2014	1100	NR	Moist brown sand, trace gravel
DU-9B-2	12/17/2014	1110	NR	Moist brown sand, trace gravel
DU-9B-3	12/17/2014	1115	NR	Moist brown sand, little silt
DU-9B-4	12/17/2014	1120	NR	Moist brown sand, little silt, trace gravel
DU-9B-5	12/17/2014	1135	NR	Moist brown sand, little silt, trace gravel
DU-9B-6	12/17/2014	1140	NR	Moist brown sand, some silt, trace gravel
DU-9B-7	12/17/2014	1150	NR	Moist brown sand, trace gravel, trace silt
DU-9B-8	12/17/2014	1350	NR	Slightly moist brown sand, trace gravel
DU-9B-9	12/17/2014	1355	NR	Moist brown sand, some silt
DU-9B-10	12/17/2014	1405	NR	Moist brown sand, some gravel, trace silt
DU-9B-11	12/17/2014	1415	NR	Moist brown, tan sand, little silt, trace gravel
DU-9B-12	12/17/2014	1425	NR	Moist brown sand, little silt, trace gravel
DU-9B-13	12/17/2014	1430	NR	Very moist brown sand, trace silt, trace gravel
DU-9B-14	12/17/2014	1440	NR	Moist brown sand, little gravel, trace silt
DU-9B-15	12/17/2014	1445	NR	Moist light brown sand, trace gravel
DU-9B-16	12/17/2014	1455	NR	Moist light brown sand, trace gravel, trace silt
DU-9B-17	12/17/2014	1530	NR	Moist brown sand, little gravel, trace silt
DU-9B-18	12/17/2014	1545	NR	Moist brown sand, trace silt, trace gravel
DU-9B-19	12/17/2014	1555	NR	Moist brown sand, some gravel, trace silt
DU-9B-20	12/17/2014	1605	NR	Moist brown sand, trace gravel
DU-9B-21	12/17/2014	1620	NR	Moist brown sand, some gravel, trace silt
DU-9B-22	12/17/2014	1630	NR	Moist brown sand, little silt, little gravel
DU-9B-23	12/17/2014	1640	NR	Moist brown sand, some gravel
DU-9B-24	12/17/2014	1650	NR	Moist brown sand, little gravel, trace silt
DU-9B-25	12/18/2014	830	NR	Moist brown sand, trace gravel, trace silt
DU-9B-26	12/18/2014	840	NR	Moist brown sand, trace gravel, trace silt
DU-9B-27	12/18/2014	850	NR	Moist brown sand, trace gravel, trace silt
DU-9B-28	12/18/2014	900	NR	Moist brown sand, trace gravel, trace silt
DU-9B-29	12/18/2014	940	NR	Moist brown sand, some gravel, trace silt
DU-9B-30	12/18/2014	950	NR	Moist light brown sand, trace gravel
DU-9B-31	12/18/2014	1000	NR	Moist light brown sand, little gravel, trace silt
DU-9B-32	12/18/2014	1010	NR	Moist light brown mottled gray sand, trace gravel
DU-9B-33	12/18/2014	1020	NR	Moist red-brown silt, some sand, trace gravel
DU-9B-34	12/18/2014	1025	NR	Moist red-brown silt, some sand, trace gravel
DU-9B-35	12/18/2014	1040	NR	Moist brown sand, trace silt
DU-9B-36	12/18/2014	1050	NR	Moist light brown sand, little gravel, trace silt
DU-9B-37	12/18/2014	1100	NR	Moist light brown sand, trace silt, trace gravel
DU-9B-38	12/18/2014	1110	NR	Moist dark brown sand, little gravel, trace silt
DU-9B-39	12/18/2014	1118	NR	Slightly moist red-brown sand, some silt, trace gravel
DU-9B-40	12/18/2014	1125	NR	Slightly moist red-brown silt and sand, trace gravel
DU-9B-41	12/18/2014	1400	0.0	Brown sandy silt with trace clay and gravel
DU-9B-42	12/18/2014	1415	0.0	Orange brown silty clay
DU-9B-43	12/18/2014	1430	0.0	Light brown sandy silt
DU-9B-44	12/18/2014	1445	0.0	Orange brown silty clay
DU-9B-45	12/18/2014	1510	0.0	Orange brown clay
DU-9B-46	12/18/2014	1535	0.0	Light brown sandy silt with gravel

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DU-9B-47	12/18/2014	1545	0.0	Orange brown silty clay
DU-9B-48	12/18/2014	1600	0.0	Brown sandy silt with clay
DU-9B-49	12/18/2014	1615	0.0	Light brown sandy silt with gravel
DU-9C-1	12/17/2014	1100	0.0	Light brown sandy silt with rocks and some white mottling
DU-9C-2	12/17/2014	1110	0.0	Brown / light brown sandy silt with some rocks
DU-9C-3	12/17/2014	1115	0.0	Brown sandy silt with some rocks and trace clay
DU-9C-4	12/17/2014	1120	0.0	Brown silty sand with some rocks and some clay and some organics
DU-9C-5	12/17/2014	1130	0.0	Brown sandy silt with some rocks
DU-9C-6	12/17/2014	1140	0.0	Brown sandy silt with rocks and organics
DU-9C-7	12/17/2014	1150	0.0	Brown sandy silt
DU-9C-8	12/17/2014	1345	0.0	Brown to tan sandy silt with some clay
DU-9C-9	12/17/2014	1355	0.0	Brown to tan sandy silt with some clay
DU-9C-10	12/17/2014	1405	0.0	Brown sandy silt with rocks and organics
DU-9C-11	12/17/2014	1415	0.0	Brown to tan sandy silt with rocks
DU-9C-12	12/17/2014	1425	0.0	Tan to light tan sandy silt with some rocks
DU-9C-13	12/17/2014	1435	0.0	Tan sandy silt with some rocks
DU-9C-14	12/17/2014	1445	0.0	Brown sandy silt with rocks and organics
DU-9C-15	12/17/2014	1450	0.0	Light tan to light gray sandy silt to silty sand
DU-9C-16	12/17/2014	1455	0.0	Tan to light tan sandy silt
DU-9C-17	12/17/2014	1535	0.0	Brown to light brown sandy silt
DU-9C-18	12/17/2014	1545	0.0	Brown sandy silt with some rocks
DU-9C-19	12/17/2014	1555	0.0	Light brown to tan to white sandy silt with rocks
DU-9C-20	12/17/2014	1600	0.0	Light brown sandy silt with some organics
DU-9C-21	12/17/2014	1610	0.0	Brown / light sandy silt with some rocks
DU-9C-22	12/17/2014	1625	0.0	Light brown sandy silt with rocks
DU-9C-23	12/17/2014	1635	0.0	Light brown sandy silt with some rocks and organics
DU-9C-24	12/17/2014	1645	0.0	Light brown / brown sandy silt
DU-9C-25	12/18/2014	835	0.0	Brown / light brown sandy silt
DU-9C-26	12/18/2014	845	0.0	Light brown sandy silt with some rocks and organics
DU-9C-27	12/18/2014	850	0.0	Brown sandy silt with lots of organics and a root
DU-9C-28	12/18/2014	900	0.0	Brown / light brown sandy silt
DU-9C-29	12/18/2014	945	0.0	Black rocks to brown sandy silt
DU-9C-30	12/18/2014	955	0.0	Brown sandy silt with rocks and organics to black rocks and sandy silt
DU-9C-31	12/18/2014	1005	0.0	Light tan sandy silt with some organics
DU-9C-32	12/18/2014	1015	0.0	Tan / light brown sandy silt
DU-9C-33	12/18/2014	1020	0.0	Red silty clay with some organics
DU-9C-34	12/18/2014	1030	0.0	Light brown sandy silt with rocks and organics
DU-9C-35	12/18/2014	1040	0.0	Light tan to white sandy silt / silty sand with some rocks
DU-9C-36	12/18/2014	1050	0.0	Brown / light brown sandy silt
DU-9C-37	12/18/2014	1100	0.0	Brown sandy silt with rocks and some foam debris
DU-9C-38	12/18/2014	1110	0.0	Brown sandy silt with rocks and organics
DU-9C-39	12/18/2014	1120	0.0	Orange to light tan sandy silt with rocks
DU-9C-40	12/18/2014	1130	0.0	Red silty clay to tan sandy silt with rocks and some organics
DU-9C-41	12/18/2014	1355	0.0	Light brown sandy silt with rocks
DU-9C-42	12/18/2014	1415	0.0	Light brown sandy silt with rocks and some organics
DU-9C-43	12/18/2014	1430	0.0	Brown sandy silt with rocks
DU-9C-44	12/18/2014	1445	0.0	Tan sandy silt with rocks
DU-9C-45	12/18/2014	1500	0.0	Tan sandy silt with rocks and some organics
DU-9C-46	12/18/2014	1535	0.0	Brown to gray sandy silt
DU-9C-47	12/18/2014	1550	0.0	Tan sandy silt to orange silty clay
DU-9C-48	12/18/2014	1600	0.0	Brown to tan sandy silt with white sandy mottling
DU-9C-49	12/18/2014	1615	0.0	Light tan / tan silty sand to sandy silt
DU-10A-1	12/1/2014	1520	NR	Sandy loam, light brown / reddish
DU-10A-2	12/1/2014	1525	NR	Loam / sandy loam, dark brown / reddish
DU-10A-3	12/1/2014	1535	NR	Sandy loam, light brown, gray
DU-10A-4	12/1/2014	1540	NR	Sandy loam, reddish brown
DU-10A-5	12/1/2014	1542	NR	Sandy loam, light brownish gray
DU-10A-6	12/1/2014	1545	NR	Sandy loam, light brown
DU-10A-7	12/1/2014	1550	NR	Sandy loam, light brown
DU-10A-8	12/1/2014	1530	NR	Sandy, light brown (tan) / gray
DU-10A-9	12/1/2014	1555	NR	Sandy loam, brown
DU-10A-10	12/1/2014	1610	NR	Sandy loam, light brown / gray
DU-10A-11	12/1/2014	1615	NR	Sandy loam, light brown / gray
DU-10A-12	12/1/2014	1620	NR	Sandy loam / gray light brown
DU-10A-13	12/1/2014	1625	NR	Sandy loam, light brown / pinkish red
DU-10A-14	12/2/2014	820	NR	Sandy loam, reddish brown
DU-10A-15	12/2/2014	835	NR	Sandy loam, reddish gray
DU-10A-16	12/2/2014	840	NR	Sandy loam, light brown gray
DU-10A-17	12/2/2014	845	NR	Sandy loam, light brown
DU-10A-18	12/2/2014	855	NR	Sandy loam, brownish gray
DU-10A-19	12/2/2014	1000	NR	Sandy loam, reddish light brown
DU-10A-20	12/2/2014	1015	NR	Sandy loam, light brown gray
DU-10A-21	12/2/2014	1025	NR	Sandy loam, light brown
DU-10A-22	12/2/2014	1030	NR	Sandy loam, reddish light brown
DU-10A-23	12/2/2014	1035	NR	Sandy loam, dark brown
DU-10A-24	12/2/2014	1038	NR	Sandy loam, dark brown
DU-10A-25	12/2/2014	1040	NR	Sandy loam, dark brown
DU-10A-26	12/2/2014	1045	NR	Sandy loam, brown
DU-10A-27	12/2/2014	1050	NR	Sandy loam, brown light brown
DU-10A-28	12/2/2014	1053	NR	Sandy loam, whiteish light brown
DU-10A-29	12/2/2014	1055	NR	Sandy loam, light brown to brown
DU-10A-30	12/2/2014	1105	NR	Sandy loam, brown
DU-10A-31	12/2/2014	1110	NR	Sandy loam, brown light brown

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DU-10A-32	12/2/2014	1113	NR	Sandy loam, brown
DU-10A-33	12/2/2014	1115	NR	Sandy loam, brown
DU-10A-34	12/2/2014	1120	NR	Sandy loam, reddish brown
DU-10A-35	12/2/2014	1125	NR	Sandy loam, light brown gray
DU-10A-36	12/2/2014	1130	NR	Sandy loam, reddish light brown
DU-10B-1	12/2/2014	1455	NR	Sandy loam, brownish gray
DU-10B-2	12/2/2014	1505	NR	Sandy loam, brown red
DU-10B-3	12/2/2014	1510	NR	Sandy loam, brown light brown
DU-10B-4	12/2/2014	1520	NR	Sandy loam, brownish gray
DU-10B-5	12/2/2014	1530	NR	Sandy loam, light brown
DU-10B-6	12/2/2014	1540	NR	Sandy loam, brown
DU-10B-7	12/2/2014	1545	NR	Sandy loam, reddish brown gray
DU-10B-8	12/2/2014	1600	NR	Sandy loam, reddish light brown
DU-10B-9	12/2/2014	1610	NR	Sandy loam, light brown reddish
DU-10B-10	12/2/2014	1615	NR	Sandy loam, brown light red, plastic material
DU-10B-11	12/2/2014	1625	NR	Sandy loam, light brown grayish, plastic material
DU-10B-12	12/2/2014	1635	NR	Sandy loam, light brown gray
DU-10B-13	12/3/2014	855	NR	Sandy loam, light brown with reddish tint
DU-10B-14	12/3/2014	900	NR	Sandy loam, reddish brown
DU-10B-15	12/3/2014	915	NR	Sandy loam, grayish brown
DU-10B-16	12/3/2014	925	NR	Sandy loam, grayish brown
DU-10B-17	12/3/2014	940	NR	Sandy loam, light brown
DU-10B-18	12/3/2014	950	NR	Sandy loam, reddish light brown
DU-10B-19	12/3/2014	1005	NR	Sandy loam, reddish brown
DU-10B-20	12/3/2014	1015	NR	Sandy loam, light brown
DU-10B-21	12/3/2014	1025	NR	Sandy loam, reddish light brown
DU-10B-22	12/3/2014	1035	NR	Sandy loam, brown
DU-10B-23	12/3/2014	1045	NR	Sandy loam, brown
DU-10B-24	12/3/2014	1055	NR	Sandy loam, dark brown
DU-10B-25	12/3/2014	1105	NR	Sandy loam, dark brown
DU-10B-26	12/3/2014	1330	NR	Sandy loam, brown
DU-10B-27	12/3/2014	1340	NR	Sandy loam, brown
DU-10B-28	12/3/2014	1350	NR	Sandy loam, light brown
DU-10B-29	12/3/2014	1410	NR	Sandy loam, light brown
DU-10B-30	12/3/2014	1420	NR	Sandy loam, dark brown
DU-10B-31	12/3/2014	1435	NR	Sandy loam, brown
DU-10B-32	12/3/2014	1450	NR	Sandy loam, brown
DU-10B-33	12/3/2014	1500	NR	Sandy loam, light brown
DU-10B-34	12/3/2014	1545	NR	Sandy loam, brown
DU-10B-35	12/3/2014	1600	NR	Sandy loam, light brown
DU-10B-36	12/3/2014	1615	NR	Silt / clay, reddish light brown
DU-10C-1	12/2/2014	1450	0.0	Light brown sandy silt
DU-10C-2	12/2/2014	1500	0.0	Light brown to grey sandy silt with some gravel
DU-10C-3	12/2/2014	1515	0.0	Brown silt
DU-10C-4	12/2/2014	1525	0.0	Brown to light brown silt with trace sand and organics
DU-10C-5	12/2/2014	1535	0.0	Brown sandy silt with trace clay and gravel
DU-10C-6	12/2/2014	1545	0.0	Brown sandy silt with trace organics and rocks
DU-10C-7	12/2/2014	1555	0.0	Brown silty sand with rocks and organics
DU-10C-8	12/2/2014	1605	0.0	Brown sandy silt with rocks
DU-10C-9	12/2/2014	1615	0.0	Light brown sandy silt
DU-10C-10	12/2/2014	1620	0.0	Brown sandy silt with trace organics and rocks
DU-10C-11	12/2/2014	1630	0.0	Brown sandy silt with rocks
DU-10C-12	12/2/2014	1640	0.0	Brown sandy silt with gravel and rocks
DU-10C-13	12/3/2014	855	0.0	Light brown sandy silt with trace organics
DU-10C-14	12/3/2014	905	0.0	Brown to light brown sandy silt
DU-10C-15	12/3/2014	915	0.0	Light brown to orange sandy silt with rocks
DU-10C-16	12/3/2014	925	NR	Light brown silt with trace sand and rocks
DU-10C-17	12/3/2014	945	NR	Light brown to gray sandy silt with some organics and rocks and some tan mottling
DU-10C-18	12/3/2014	955	NR	Brown silty sand with rocks
DU-10C-19	12/3/2014	1005	NR	Orange to light brown sandy silt with black mottling
DU-10C-20	12/3/2014	1015	0.0	Orange brown sandy silt with some rocks
DU-10C-21	12/3/2014	1035	0.0	Orange sandy silt
DU-10C-22	12/3/2014	1045	0.0	Brown to light brown sandy silt
DU-10C-23	12/3/2014	1055	0.0	Light brown to brown silt with clay and some sand
DU-10C-24	12/3/2014	1105	0.0	Orange sandy silt with some clay
DU-10C-25	12/3/2014	1110	0.0	Orange sandy silt with some clay
DU-10C-26	12/3/2014	1335	0.0	Brown sandy silt
DU-10C-27	12/3/2014	1345	0.0	Brown sandy silt with some organics and small rocks
DU-10C-28	12/3/2014	1355	0.0	Light tan sand with some silt
DU-10C-29	12/3/2014	1405	0.0	Brown sandy silt
DU-10C-30	12/3/2014	1415	0.0	Brown silt with some sand
DU-10C-31	12/3/2014	1435	NR	Brown to light brown sandy silt
DU-10C-32	12/3/2014	1455	NR	Brown to light brown silt with some sand
DU-10C-33	12/3/2014	1505	NR	Brown to light tan sandy silt
DU-10C-34	12/3/2014	1550	NR	Brown silt with some sand, damp
DU-10C-35	12/3/2014	1600	NR	Light tan silt with sand and some organics
DU-10C-36	12/3/2014	1615	NR	Dark brown silt with sand and clay

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MA-SS-1	12/2/2014	1104	NR	0" - 6" Light tan sandy silt, trace roots, moist, very fine sandy silt	6" - 18"
				6" - 11" Light gray damp, fine grained sand with cemented fragments	
				11" - 24" Very light tan mixed with dark tan fine grain sand, little silt, damp	
MA-SS-2	12/2/2014	1432	0.2	0" - 6" Light tan micaceous silty sand, fine, slightly damp with organic (grass leaves)	6" - 18"
				6" - 24" Light tan silty sand with some rock fragments throughout, brick fragment 16" bls, slightly moist	
MA-SS-3	12/3/2014	1033	0.0	0" - 10" bls tan fine silty sand with roots and grass throughout, small pebble, moist	6" - 18"
				12" - 16" bls light gray fine sandy silt, slightly damp	
				16" - 17" bls tan with orange mottling, fine sandy silt, slightly damp	
				17" bls wood encountered	
				17" - 18.5" bls asphalt	
MA-SS-4	12/2/2014	1544	0.7	0" - 6" Brown fine silty sand, with organics (roots and grass), slightly damp 7" - 19" bls encounter large pieces of cement	6" - 18"
				6" - 13" Brown fine silty sand with asphalt, cement , slightly damp. In In a hand augur boring at about 12" bls a small blue piece of PET and a black plastic conduit fitting were encountered as well as large pieces of cement from 7" - 19"	
				13" to 19" Greyish brown fine silty sand with some gravel, slightly damp	
				7" - 19" bls a large pieces of cement were encountered	
				19" - 24" Tan fine silty sand with few medium grains and with little gravel, slightly damp	
MA-SS-5	12/3/2014	1104	0.0	0" - 3" bls Dark brown sandy silt, fine grain, grass root, slightly damp	6" - 18"
				3" - 14" bls Tan fine gray silty sand with few gravel throughout, slightly damp	
				6" - 8" collected non native items from boring and the onsite resource described them as metallic debris and possible metal strap or old can	
				14" - 23" bls orangish tan fine silty sand with little angular pebbles, slightly damp	
				23" - 24" asphalt	

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MA-SS-6	12/2/2014	1628	0.7	0.0" - 6" bls no recovery	6" - 18"
				6" - 19" bls- tan fine silty sand with mica, slightly damp and with asphalt at 19"	
				19" - 24" Tan fine silty sand, slightly damp and with small pebbles at 19" - 24" Red plastic covered aluminum, and a small piece of tan fibrous Styrofoam material	
MA-SS-7	12/2/2014	1706	1.1	0" - 12" bls, tan fine silty sand with few pebbles	6" - 18"
				12" - 24" Gray fine sandy silt, brick and cement fragments at 21" bls small angular gravel throughout	
				bls asphalt waste gravel and wood	
SWMU-13-SS-1	12/11/2014	1148	0.4	0" - 2" Dark gray fine sandy silt, damp, with roots and leaf litter	6" - 18"
				2" - 5" Tan fine silty sand, slightly damp with mica	
				5" - 14" Orangish brown fine silty sand, slightly damp, and 2 medium rounded pebbles	
				14" - 21" Dark gray fine sandy silt, very slightly damp, with few roots	
SWMU-13-SS-2	12/11/2014	1202	0.3	21" - 24" Tan fine silty sand, slightly damp	6" - 18"
				0" - 2" Dark gray fine silty sand, slightly damp with small pebbles	
				2" - 8" Orangish brown fine sandy silt, tight and dry	
				8" - 14.5" Orangish brown fine sandy silt, dry	
SWMU-13-SS-3	12/11/2014	925	0.3	14.5" - 24" Lt. tan fine silty sand, slightly damp	6" - 18"
				0" - 4" Dark brown fine sandy silt, slightly damp with pine needles and grass	
SWMU-13-SS-4	12/11/2014	1029	0.1	4" - 24" Tan fine sandy silt, damp, few small round pebbles	6" - 18"
				0" - 2" Dark brown fine sand silty, slightly damp with pine needles through-out	
SWMU-13-SS-5	12/11/2014	955	0.3	2" - 24" Light brown fine silty sand, slightly damp	6" - 18"
				0" - 6" Dark brown fine sandy silt, slightly damp with worms, pine needles, and grass	
				6" - 8" Tan fine sandy silt, slightly damp	
SWMU-13-SS-6	12/11/2014	1039	0.1	8" - 24" Light brown fine silty sand, damp at 18" with crushed rock fragments	6" - 18"
				0" - 5" Dark gray fine sandy silt, damp with roots through-out, wood chips	
				5" - 8" Tan fine silty sand, damp, with small pebbles through-out	
				8" - 15" Gray fine silty sand, damp, small rounded pebbles through-out	
				15" - 23" Tan fine silty sand, slightly damp with broken white rock through-out	
				23" - 24" Dark gray fine silty sand, damp with a 0.4 PID reading	

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SWMU-13-SS-7	12/11/2014	1345	0.0	0" - 2" Dark gray fine silty sand, very slightly damp with roots and grass 2" - 24" Light tan fine silty sand, slightly damp	6" - 18"
SWMU-13-SS-8	12/11/2014	1415	0.4	0" - 6" Brown fine sandy silt, slightly damp with roots and leaf litter 6" - 12" Brown fine silty sandy, slightly damp with gray mottling through-out and few fine rounded pebbles 12" - 24" Light tan fine silty sand, very damp	6" - 18"
SWMU-13-SS-9	12/11/2014	1430	0.2	0" - 2" Dark brown very fine damp sandy silt with roots, a worm, and grass clippings 2" - 24" Light tan fine sandy silt, damp, with crushed white rock through-out	6" - 18"
SWMU-13-SS-10	12/11/2014	1457	0.6	0" - 2" Dark gray fine sandy silt, slightly damp with grass and roots 2" - 4" Tan loose fine sand with very little silt, slightly damp 4" - 18" Tan fine stiff silty sand, slightly damp 18" - 24" Tan fine silty sand, slightly damp	6" - 18"
SWMU-14-SS-1	12/12/2014	1002	0.0	0" - 1" Dark gray fine sandy silt, slightly damp with few grass clippings and roots 1" - 24" Tan fine silty sand, damp with mica and a few cemented sand patches from 1" to 3"	6" - 18"
SWMU-14-SS-2	12/12/2014	1018	0.2	0" - 1" Tan fine silty sand, very damp with two 0.75" cemented sand particles and roots through-out 1" - 12" Tan fine sand, very slightly damp, few small angular pebbles 12" - 20" Tan fine tight silty sand, very slightly damp with a large pebble at 19.5" 20" - 20.5" Light gray fine micaceous silty sand, very slightly damp 20.5" - 24" Gray fine loose micaceous silty sand, very slightly damp	6" - 18"
SWMU-14-SS-3	12/12/2014	1039	0.0	0" - 24" Light brown fine loose silty sand, damp with very little mica	6" - 18"
SWMU-14-SS-4	12/12/2014	1059	0.3	0" - 2" Tan to dark brown fine silty sand, damp with moss and grass clippings 2" - 20" Tan fine sand with little silt, damp and few medium to small rounded pebbles 20" - 24" Tan fine soft silty sand, damp to wet	6" - 18"
SWMU-14-SS-5	12/12/2014	828	0.1	0" - 0.75" Tan fine silty sand, damp with grass at surface 0.75" - 24" Gray very fine sandy silt, damp to wet	6" - 18"
SWMU-14-SS-6	12/12/2014	927	0.0	0" - 2" Dark gray fine sand with little silt, damp and a very tight grass root ball 2" - 20" Fine tan sand with little silt, damp to very damp 20" - 24" Fine tan sand with little silt, wet	6" - 18"

Discrete Soil Sample Descriptions

Remedial Investigation Report

DuPont Brevard Facility

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-14-SS-7	12/11/2014	1648	0.3	0" - 20" Light brown loose fine sandy silt, very slightly damp with small rounded pebble through-out	6" - 18"
				20" - 24" Light brown very slightly stiff fine sandy silt very slightly damp with small rounded pebble through-out	
SWMU-14-SS-8	12/11/2014	1632	0.4	0" - 4" Tan fine silty sand, damp with few rocks	6" - 18"
				4" - 24" Grayish brown fine silty sand, damp with a gravel piece at 9" and 14"	
SWMU-14-SS-9	12/12/2014	850	0.3	0" - 2.5" Orangish brown fine silty sand, damp to wet with roots and grass at the surface	6" - 18"
				2.5" - 8" Light brown fine loose silty sand, damp to wet with mica	
				8" - 19" Gray fine to very fine sandy silt, damp with refusal at 19"	
SWMU-14-SS-10	12/12/2014	808	0.0	0" - 16" Fine tan silty sand, few rock fragments	6" - 18"
				16" - 17.5" Light tan fine sand with very little silt, slightly damp	
				17.5" - 24" Orangish brown fine sandy silt, damp	
SWMU-15-SS-1	12/4/2014	950	0.0	0" - 7" brown fine loose sandy silt with roots, damp	6" - 18"
				7" - 18" Tan fine silty sand, slightly damp micaceous, moist, some plastics	
				18" - 24" Dark tan silty sand with few small high purity silicone fragments	
SWMU-15-SS-2	12/4/2014	1235	0.0	0" - 3" bls dark gray fine silt sand with grass roots, moist	6" - 18"
				3" - 5" bls gray fine micaceous silty sand, slightly damp with a rock fragment at 5" BLS	
				5" - 8" Tan fine micaceous silty sand, slightly damp	
				8" - 10" Dark grey to black ash with some burnt ash odor	
10" - 24" gray loose - fine silt sand, slightly moist, damp , with ash from 22" to 23" BLS					
SWMA-15-SS-3	12/4/2014	1302	0.0	0" - 8" light brown loose fine sandy silt with little dark banding and mica, pine grass, damp	6" - 18"
				8" - 24" light tan loose fine grained silty sand with angular gravel, micaceous, damp	
SWMU-15-SS-4	12/3/2014	1637	0.0	0" - 6" bls - light brown fine grained silty sand with grass and slightly damp ,and white rock 2" bls	6" - 18"
				6" - 24" Light tan fine grained silty sand, very slightly damp, white rock at 17" bls	
SWMU-15-SS-5	12/3/2014	1555	0.0	0" - 2" vegetation	6" - 18"
				2" - 8" gray fine silty sand with mica, slightly damp, small angular gravel	
				8" - 24" bls - tan fine / medium grained sandy silt with mica gravel at 11" bls, very slightly damp	

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-15-SBS-1	12/4/2014	1530	0 / 0 HS	0" - 9" Tan fine silty sand with damp, rock fragments	35" - 43"
			0 / 0.7 HS	9" - 13" bls Brown fine silty sand with mica, few roots and with less rock fragments, damp and a 3/4" cement fragment	
			0 / 0.3 HS	13" - 20" bls tan fine silty sand with mica and 2 small rock fragments	
			0 / 0 HS	20" - 27" bls tan fine silty sand with mica, 5 wood pieces, rock, cement particles	
			0 / 0 HS	27" - 35" tan fine sandy silt, very damp, item recovered: 1 small porcelain like rock, and insulation like material	
			0 / 0.6 HS	35" - 43" bls gray fine silty sand with mica, very damp, item recovered: roots several small rocks (angular gravel size), a wood fragment, and 1 small piece of high purity silicone	
			0 / 0.3 HS	43" - 49" bls brown fine loose sand, damp to wet, with roots, wood, 3 rocks, and a piece of plastic	
			0 / 0.4 HS	49" - 57" bls fine brown sand, very moist to wet with a lot of ground with roots, 1 piece of plastic	
SWMU-15-SBS-2	12/5/2014	1045	0 / 0 HS	0" - 8" brown fine silty sand, damp with roots and grass, and medium / small / large angular rocks	85" - 91"
			0 / 0.3 HS	8" - 11" brown fine silty sand with mica, very damp and with roots and small to large angular gravel	
			0 / 0.3 HS	11" - 16" brown fine silty sand, very damp and with roots and small to medium angular gravel	
			0 / 0.4 HS	16" - 20" brown fine silty sand, very damp and with 2 medium angular gravel rocks	
			0 / 0.3 HS	20" - 26" light brown fine silty sand, very slightly damp with some gray silty lens - 3 small angular rocks	
			0 / 0.3 HS	26" - 32" light brown fine silty sand, very slightly damp with- 5 small and medium angular rocks	
			0 / 0.3 HS	32" - 36" light brown fine silty sand, very slightly damp with brown orange silt lens, 1 medium angular rock	
			0 / 0.3 HS	36" - 41" light brown fine silty sand, very slightly damp with few reddish brown lens, 1 piece of partially weathered rock	
			0 / 0.4 HS	41" - 46" light brown fine silty sand, damp with few small gray silt nodules	
			0 / 0.3 HS	46" - 52" light brown fine silty sand, damp, 3 small and medium pieces of angular gravel	
			0 / 0.6 HS	52" - 57" gray fine silty sand with light gray saprolite, nodules of orangish brown silt with fine sand, damp, 2 small pieces of rock	
			0 / 0.7 HS	57" - 61" bls dark gray silt with little fine sand, very slightly damp, 5 pieces of small rock fragments	
			0 / 0.7 HS	61" - 66" light gray fine sandy silt, damp, light gray saprolite, and 2 small rocks	

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
			0 / 0.7 HS	66" - 70" light gray fine sandy silt, damp, light gray saprolite with little brown banding, some roots, 1 large piece of rock .5" in size	
			0 / 0.3 HS	70" - 74" gray fine silty sand, damp, few roots - single piece of saprolite with gray banding	
			0 / 0.4 HS	74" - 79" gray fine silty sand, damp, few roots - single piece of saprolite with gray banding - 1 piece of thin 1" wood , and 6 small angular rocks	
			0 / 0.6 HS	79" - 85" light gray fine silty sand, damp, saprolite with light gray / gray banding, and a 1" angular gravel at 85"	
			0 / 0.5 HS	85" - 91" light gray fine silty sand, damp, saprolite with light gray / gray banding, and 1 piece of medium angular gravel	
			0 / 0.2 HS	91" - 97" gray fine grained sand with silt, damp, 5 medium angular rock fragments	
SWMU-15-SBS-3	12/9/2014	Not Sampled	NM / NM HS	0" - 7" gray silty sand with gravel, damp	Not Sampled
			0 / 0.1 HS	7"-10" gray fine sand with little silt - a lot of small angular gravel, damp	
			0 / 0.1 HS	10"-17" Tan fine silty sand, slightly damp - less small to medium angular gravel	
			0 / 0.1 HS	17" - 19" Medium/small angular gravel with light gray, sandy silt, slightly damp	
			0 / 0.1 HS	19" -22" Medium to large gravel with light gray, sandy silt, slightly damp	
			0 / 0.1 HS	22" - 25" Medium to large gravel with light gray, sandy silt, slightly damp with less sand	
			0 / 0.1 HS	25" - 35" Medium to large gravel with light gray, sandy silt, slightly damp with less sand	
			0 / 0.1 HS	35" -36" Medium to large gravel with light gray, sandy silt, slightly damp with less sandy silt, more gravel	
			0.2 / 4.5 HS	0" - 8" Brown, fine micaceous sandy silt, slightly damp with root and grass	
			0.1 / 0.1 HS	8" - 14" Tan fine sandy silt with roots and few small to medium angular rocks	
			0.5 / 0.1 HS	14" - 23" Tan, fine slightly damp sandy silt with a 1" to 1.5" nodule silt and small angular gravel	
			0 / 0 HS	23" - 31" Tan, fine slightly silty sand slightly damp with few roots, and 1 rock fragment	
			0 / 0 HS	31" - 37" Light brown very fine silty sand slight damp with few roots, 1 small partially weathered rock fragment	

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-15-SBS-4	12/9/2014	1346	0.1 / 0 HS	37" - 44" Light brown very fine silty sand slight damp with few roots, mica, and 1 medium angular gravel	55" - 65"
			0.2 / 0 HS	44" - 48" Light brown very fine silty sand slight damp with less roots, mica, and 1 angular piece of gravel	
			0 / 0 HS	48" - 55" Light brown very fine silty sand slight damp, and a nodule of orangish brown micaceous silt no roots	
			0 / 0 HS	55" - 59" Tan very fine micaceous silty sand, slightly damp and few partially weathered rock fragments (white / dark gray banded)	
			0 / 0 HS	59" - 65" Tan very fine micaceous silty sand, slightly damp and few partially weathered rock fragments (white / dark gray banded) with 1 small rock fragment	
			0 / 0 HS	71" - 76" Tan very fine micaceous silty sand, slightly damp and 2 partially weathered rock fragments	
SWMU-15-SBS-5	12/9/2014	1610	0 / 6.2 HS	0" - 8" Brown fine silty sand with a lot of roots and grass, damp	36" - 42"
			0 / 2.1 HS	8" - 12" Light brown, fine sandy silt, slightly damp with roots 4 small to medium angular gravel pieces	
			0 / 0 HS	12" - 17" Light brown very fine sandy silt, slightly damp, few roots, and 3 pebbles	
			0 / 0 HS	17" - 23" Light brown very fine sandy silt, slightly damp	
			0 / 0.2 HS	23" - 30" Light brown very fine sandy silt, slightly damp, few roots	
			0 / 0 HS	30" - 36" Light brown very fine sandy silt, slightly damp but damper than previous depth, small piece partially weathered rock with light gray with banding, and 1 small rock	
			0 / 0 HS	36" - 42" Light brown very fine sandy silt, damp, 1 orangish brown silt nodule about .75" an 4 small partially weathered rock fragments	
			0 / 0.1 HS	42" - 47" Gray very fine sand, with little silt, damp, 4 small rock fragments	
			0 / 0 HS	47" - 50" Tan, very fine silty sand, slightly damp, 2 medium angular gravel pieces	
			0 / 0 HS	50" - 55" Tan, very fine silty sand, slightly damp, 2 small angular rocks	
SWMU-16-SS-1	12/10/2014	1109	0.0	0" - 2" Dark gray fine silty sand, fill, mica, pine needles, slightly damp	6" - 18"
			0.0	2" - 24" Light tan very fine sandy silt with mica, very slightly damp	
SWMU-16-SS-2	12/10/2014	1125	0.0	0" - 2" Dark gray silty sand, damp with rock a white fragment	6" - 18"
			0.0	2" - 2.1" Fine black silty sand, slightly damp	
			0.0	2.1" - 6" Tan silty sand, slightly damp	
			0.0	6" - 14" Gray fine silty sand, damp	
			0.0	14" - 14.2" Tan fine silty sand, damp	
0.0	14.2" - 24" Dark gray fine silt sand, damp				

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-16-SS-3	12/10/2014	1348	0.0	0" - 3" Dark gray fine sandy silt, dry, few root and pine needles	6" - 18"
				3" - 7" Light gray, fine sandy silt, dry	
				7" - 14.5" Tan fine silty sand, slightly damp, with few pebbles	
				14.5" - 15" Dark gray fine silty sand, slightly damp	
				15" - 24" Light tan fine silty sand, slightly damp, with rock fragments at 18"	
SWMU-16-S-10	12/10/2014	1409	0.0	0 - 2" Dark brown fine sandy silt, , slightly damp with pine needles, roots and grass	6" - 18"
				2" - 8" Light brown fine silty sand, slightly damp with a few small rounded pebbles	
				8" - 15" Tan fine silty sand, slightly damp with few small pebbles that had little light gray strip	
				15" - 24" Light brown tan fine silty sand, slightly damp	
SWMU-16-SS-4	12/10/2014	1447	0.0	0" - 2" Dark brown silty sand, slightly damp , pine needles and roots	6" - 18"
				2" - 7" Light gray fine silty sand, slightly damp with a lot of small round gravel	
				7" - 14" Tan fine silty sand, damp	
				14" - 18" Dark gray fine silty sand, damp	
				18" - 20" Light gray fine to medium well sorted sand, very slightly, damp	
20" - 24" Brown very fine sandy silt, very slightly damp					
SWMU-16-SS-5	12/10/2014	1537	0.4	0" -3" Dark gray fine sandy silt, slightly damp with roots	6" - 18"
				3" -24" Light tan fine silty sand	
SWMU-16-SS-6	12/10/2014	1555	0.3	0" - 1" Dark brown fine sandy silt, very slightly damp	6" - 18"
				1" - 8" Tan very fine silty sand, very slightly damp	
				8" - 9" Piece of rock	
				9" - 17" Tan fine silty sand, slightly damp	
				17" - 19" Light tan silty sand, slightly damp	
19" - 24" Tan silty sand, slightly damp					
SWMU-16-SS-7	12/10/2014	1618	0.3	0" - 2" Brown fine sandy silt, slightly damp with roots and grass	6" - 18"
				2" - 2.3" Dark gray sandy silt	
				2.3" - 4" Orangish brown fine silty sand, damp	
				4" - 12" Tan fine silty sand , slight damp with white partially weathered rock	
12" - 16" tan fine silty sand, slightly damp, with mica					
16" - 24" Tan fine silty sand, slightly damp, with few roots					
SWMU-16-SS-8	12/11/2014	855	0.0	0" -1" Dark brown fine silty sand, slightly damp with pine needles	6" - 18"
				1" - 6" Light tan fine silty sand, slightly damp	
				6" - 12" Brown fine silty sand, slightly damp	
				12" - 24" Tan fine silty sand, slightly damp	

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-16-SS-9	12/10/2014	1642	0.2	0" - 4" Gray fine silty sand, damp with small angular gravel, roots, grass, and clippings	6" - 18"
				4" - 14" Light gray fine sandy silt, slightly damp	
				14" - 24" Very light gray fine silty sand, slightly damp	
SWMU-19-SS-1	12/3/2014	1157	0.0	0" - 4" Gray soft damp fine silty sand with little leaf litter	6" - 18"
				4" - 24" Gray fine sandy silt with few pebbles 10"	
				Rock 11" - 12" Tan fine silt sandy	
SWMU-19-SS-2	12/3/2014	1420	3.4	0" - 18" bls Light brown loose fine silty sand with little pine needles, damp	6" - 18"
				18" - 24" bls light brown little white mottling, loose fine silty sand, damp	
SWMU-19-SS-3	12/3/2014	1216	0.0	0" - 3" bls brown fine silty sand with roots and pine needles, damp	6" - 18"
				3" - 10" bls light brown micaceous fine silt sand, very few roots, damp	
				10" - 14" bls light gray fine micaceous silty sand, damp	
				14" - 17" tan fine silty sand, very slightly damp	
				17" - 19" gray fine silty sand, micaceous, slightly damp	
				19" - 20" bls light gray fine silt sand, damp	
20" - 24" bls light orange fine silt sand, with mica and slightly damp					
SWMU-2C-SBS-1	12/10/2014	930	0 / 0 HS	0" - 9" Brown fine sandy silt, damp, with small to medium angular gravel and roots	67" - 74"
			0.4 / 0.6 HS	9" - 13" Brown fine silty sand with small to medium angular gravel, roots, and grass	
			0.3 / 0.5 HS	13" - 18" Brown fine silty sand with less small to medium angular gravel, and less roots	
			0.1 / 0.6 HS	18" - 22" Light tan fine sand with little silt, few small nodules orangish brown clay with sand and few small to medium round rocks	
			0.2 / 0.5 HS	22" - 27" Light tan fine damp sand, little silt, few light orange / tan silt Nodules with few angular rocks	
			0.3 / 0.6 HS	27" - 33" Light gray very fine sand with little silt, few small rocks, slightly damp	
			0.2 / 0.6 HS	33" - 39" Light gray very fine sand with little silt, few small rocks, damp	
			0.1 / 0.6 HS	39" - 44" Light gray very fine sand with little silt, few small rocks, damp, few 1" to 1.5" diameter orangish tan silt nodules with sand	
			0.2 / 0.6 HS	44" - 51" Light brown fine silty sand, damp with roots and few medium angular gravel	
			0.2 / 0.6 HS	51" - 57" Gray to light gray fine sand with little silt, damp with small angular gravel, few roots	
			0.1 / 0.6 HS	57" - 61" Gray to light gray fine sand with little silt, damp with increasing amounts of small angular gravel	

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
			0 / 0.6 HS	61" - 67" Gray to light gray fine sand with little silt, damp with increasing amounts of small angular gravel and a 1" diameter orange sandy silt nodule	
			0.1 / 0.6 HS	67" - 74" Gray fine silty sand, damp but increasingly dampening with depth and increases in the small to medium angular gravel	
			0.1 / 0.6 HS	74" - 82" Gray fine silty sand, very damp to wet with few 1" - 1.5" brown sandy silt nodules	
SWMU-12A-CB-1	10/29/2014	1435	NM	0"-6" No recovery 6"-24" Light olive/tan sandy silt, moist, fine-grained sand, micaceous	0-24"
SWMU-12A-CB-2	10/29/2014	1450	NM	0"-1.5" No recovery 1.5"-2" topsoil/organic material 2"-23" Light tan (mottled with orange) sandy silt, moist, micaceous; sand was fine to coarse-grained 23"-24" Saprolite: white, fine to coarse-grained silty sand, moist	0-24"
SWMU-12A-CB-3	10/29/2014	1500	NM	0"-4" No recovery 4"-6" Leaf mold 6"-24" Tan (mottled with olive) silty sand, moist, with flecks of black weathered mineral	0-24"
SWMU-12B/C-CB-1	10/29/2014	1515	NM	0"-1" No recovery 1"-2" Grassy organics 2"-23" Olive, very fine-grained sandy silt, very micaceous, very moist, some quartz fragments 23"-24" with clay	0-24"
SWMU-12B/C-CB-2	10/29/2014	1530	NM	0-6" No recovery 6"-7" Grassy organics 7"-23" Orange and olive mottled, sandy silt, moist, sand was fine to coarse-grained, with quartz and rock fragments 23"-24" Light grey silt, micaceous	0-24"
SWMU-12B/C-CB-3	10/29/2014	1550	NM	0"-2" No recovery 2"-7" Light olive, fine-grained silty sand, moist 7"-8" Green turquoise plastic 8"-24" Light olive, fine-grained silty sand, moist	0-24"
SWMU-18A-CB-1	10/29/2014		NM	0-6" No recovery 6"-12" Grey/olive fine to coarse-grained silty sand, moist, with gravel 12"-18" No recovery 18"-24" Grey/olive fine to coarse-grained silty sand, moist, with gravel	0-24"
SWMU-4-CB-1	10/30/2014	855	NM	0-2" Moss/topsoil 2"-6" Olive tan, sandy silt 6"-18" Dark grey (mottled with light grey) organic sandy silt with clay 18"-24" Black organic silt with wood fragments, some sand	0-24"

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-4-CB-2	10/30/2014	915	NM	0-1" No recovery 1"-9" Black and rust-colored silty sand 9"-24" Olive to light grey, fine-grained silty sand, moist	0-24"
SWMU-4-CB-3	10/30/2014	925	NM	0-2" No recovery 2"-9" Organic black silt with roots 9"-18" Light grey, tan and olive, very fine-grained silty sand, moist 18"-20" Organic, black, fine-grained silty sand with a few coarse grains 20"-24" Light grey, tan and olive, very fine-grained silty sand, moist	0-24"
SWMU-4-CB-4	10/30/2014	940	NM	0-1" No recovery 1"-4" Olive, fine to medium-grained sandy silt 4"-18" Tan, sandy silt, some coarse-grained 18"-19" Granitic rock fragments 19"-24" Light grey, very fine-grained silty sand	0-24"
SWMU-4-CB-5	10/30/2014	955	NM	0-4" No recovery 4"-14" Light tan to olive, fine to coarse-grained silty sand, moist 14"-24" Light grey, fine to medium-grained sand, moist	0-24"
SWMU-4-CB-6	10/30/2014	1005	NM	0-3" No recovery 3"-6" Olive, fine-grained sandy silt with roots and moss 6"-24" Olive to grey, fine-grained silty sand, moist	0-24"
SWMU-4-CB-7	10/30/2014	1017	NM	0-1" No recovery 1"-4" Olive, fine-grained sandy silt with roots 4"-14" Tan, fine-grained silty sand, moist 14"-24" Grey/olive, fine-grained silty sand	0-24"
SWMU-4-CB-8	10/30/2014		NM	0-3" No recovery 3"-6" Olive grey, fine-grained sandy silt with roots 6"-24" Tan to olive, very fine-grained silty sand	0-24"
SWMU-4-CB-9	10/30/2014	13:44	NM	0-4" No recovery 4"-9" Olive grey, fine-grained sandy silt, moist, with roots 9"-24" Fine-grained silty sand, moist, trace gravel	0-24"
SWMU-4-CB-10	10/30/2014	13:55	NM	0-4" No recovery 4"-7" Olive/grey sandy silt, with roots 7"-24" Fine-grained silty sand, moist	0-24"
SWMU-18A-CB-2	10/30/2014	14:20	NM	0-14" olive/grey, fine to medium-grained silty sand, with small to large gravel 14"-18" No gravel 18"-19" Black organic material with roots 19"-24" Olive/grey, fine to medium-grained silty sand,	0-24"

Discrete Soil Sample Descriptions

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-18B-CB-1	10/30/2014	14:48	NM	0-4" No recovery; some rocks and construction debris at a few attempted locations, including PVC pipe, pipe jacket with Tedlar coating, soda can 4"-14" Olive/grey silty sand with small gravel 16" Small piece of metal	0-16"
SWMU-20-CB-1	10/30/2014	15:06	NM	0-5" No recovery 5"-7" Olive grey sandy silt with organic matter 7"-24" Olive grey silty sand, moist, with small gravel pieces	0-24"
SWMU-20-CB-2	10/30/2014		NM	0-2" No recovery 2"-5" Olive grey sandy silt, moist 5"-24" Olive grey, fine-grained silty sand with trace coarse grains of sand	0-24"
SWMU-18B-CB-2	10/30/2014	15:33	NM	0-2" No recovery 2"-3" Olive grey organic sandy silt 3"-12" Tan (mottled with olive) silty sand 12"-24" Black silt, small pieces of organic material, no odor	0-24"

Notes:

SS = Surface Soil

SBS = Subsurface Soil

CB = Cover Investigation Boring

APPENDIX B
FINAL INVESTIGATION LABORATORY ANALYTICAL
DATA

**ADQM DATA REVIEW
NARRATIVE**

Site **BRE: BREVARD**

Project **SOIL 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date December 1-5, 2014 and December 9-12, 2014

Analytical Protocol

<u>Laboratory</u>	<u>Analytical Method</u>	<u>Parameter(s)</u>
Eurofins Lancaster	SW846 8260B	Apx IX VOCs
Eurofins Lancaster	SW846 6010C/6020A/7470A	APX IX Metals
Eurofins Lancaster	SW846 8270D	Apx IX SVOCs + 1,4-Dioxane
Eurofins Lancaster	SW846 8082 A	PCBs
Eurofins Lancaster	SW846 8270D	Diphenyl Ether + Biphenyl
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	2540 G-1997	Moisture

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on December 4, 5, 11, 12, and 13, 2014. The cooler temperatures were as follows: 1.1, 0.8, 0.4, 0.7, 0.5, 1.4, 2.0, 0.7, 1.2, 0.2, and 0.3 degrees C. The ADQM chemist doesn't believe the data to be impacted since the samples were cold but not frozen upon receipt.
- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:
 - Two containers were received for SSP14-SWMU14-SS-10 but five was listed on the COC/no soil VOA vials received 12/13/14.
 - There was no label on two SSP14-SWMU13-SS-8 jars.
 - TB and TB-SS were listed on the COC but were not received at the lab 12/12/14.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of the forty non-detect results flagged **öRö**, rejected, unusable, due to low surrogate recovery (8082A), or low Relative Percent Recovery, RPR, within the LCS/LCSD (8270D) or low RPR within the MS/MSD (8270D, 6020A) and the fifty three Tin (6010C) results flagged **öBö**, due to method blank contamination. Twelve 8015C non-detect results were flagged **öUö**, due to low surrogate recovery and holding time being exceeded. Twelve 8270D, non-detect results were flagged **öUö**, estimated, due to low RPR within the LCS/LCSD/MS/MSD. Several non-detect

result were flagged $\delta UJ\delta$, estimated, due to low surrogate recovery (8082A, 8015C), low RPR within the LCS/LCSD (8270D), or low RPR within the MS/MSD (8270D, 6020A). Several results were qualified $\delta J\delta$, estimated, due to high RPR within the MS/MSD (6020A) or the quality review criteria between the REP (laboratory replicate) and the parent sample were exceeded (2540G-1997, 6020A, 6010C), or high Relative Percent Difference, RPD, between field duplicate and parent sample (8270D, 8082, 8260B) or low RPR within the MS/MSD (6020A, 6010C, 8270D). Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified $\delta J\delta$ estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM[®] database and processed through a series of data quality checks, which are a combination of software (Locus EIM[®] database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard

Sampling Program: SOIL 2014

Validation Options: LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-1-120314	12/03/2014	7700536	PCB 1260	0.15	UG/L	MDL	0.15	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1254	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1221	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1232	0.20	UG/L	MDL	0.20	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1248	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1016	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1242	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-2-121114	12/11/2014	7711223	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
EB-SS-4-120414	12/04/2014	7700532	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
EB-SS-3-120414	12/04/2014	7700528	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2	12/02/2014	7700505	3,3'-Dimethylbenzidine	2900	UG/KG	MDL	2900	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,4-Naphthoquinone	4900	UG/KG	MDL	4900	19000	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Hexachloropropylene	580	UG/KG	MDL	580	1900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4,6-Dinitro-2-Methylphenol	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Nitroquinoline-N-Oxide	1900	UG/KG	MDL	1900	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2,4-Dinitrophenol	1800	UG/KG	MDL	1800	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Aniline	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Hexachlorocyclopentadiene	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2-Naphthylamine	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Methapyrilene	9700	UG/KG	MDL	9700	29000	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Aminobiphenyl	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	O-Toluidine	1200	UG/KG	MDL	1200	3900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	5-Nitro-Ortho-Toluidine	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	3,3'-Dimethylbenzidine	590	UG/KG	MDL	590	1200	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	1-Naphthylamine	200	UG/KG	MDL	200	590	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	2-Naphthylamine	200	UG/KG	MDL	200	590	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Methapyrilene	2000	UG/KG	MDL	2000	5900	R	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Antimony	0.0971	MG/KG	MDL	0.0971	0.460	R	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Antimony	0.0959	MG/KG	MDL	0.0959	0.455	R	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Antimony	0.0932	MG/KG	MDL	0.0932	0.442	R	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Antimony	0.107	MG/KG	MDL	0.107	0.508	R	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Antimony	0.101	MG/KG	MDL	0.101	0.480	R	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-6	12/12/2014	7711204	Antimony	0.102	MG/KG	MDL	0.102	0.481	R	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Antimony	0.0974	MG/KG	MDL	0.0974	0.462	R	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Antimony	0.0978	MG/KG	MDL	0.0978	0.464	R	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	3,3'-Dimethylbenzidine	630	UG/KG	MDL	630	1300	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Methyl Methanesulfonate	42	UG/KG	MDL	42	210	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	2-Naphthylamine	210	UG/KG	MDL	210	630	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Methapyrilene	2100	UG/KG	MDL	2100	6300	R	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Antimony	0.0948	MG/KG	MDL	0.0948	0.449	R	6020A		3050B

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-4	12/10/2014	7711214	Tin	2.98	MG/KG	MDL	0.472	21.9	B	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Tin	3.23	MG/KG	MDL	0.476	22.2	B	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Tin	2.88	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Tin	3.27	MG/KG	MDL	0.490	22.8	B	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Tin	3.30	MG/KG	MDL	0.496	23.1	B	6010C		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Tin	4.17	MG/KG	MDL	0.534	24.8	B	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Tin	3.06	MG/KG	MDL	0.506	23.5	B	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Tin	3.06	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Tin	2.57	MG/KG	MDL	0.489	22.8	B	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Tin	3.30	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Tin	3.24	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Tin	3.71	MG/KG	MDL	0.570	26.5	B	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Tin	3.27	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Tin	3.20	MG/KG	MDL	0.485	22.6	B	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Tin	3.25	MG/KG	MDL	0.484	22.5	B	6010C		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Tin	3.65	MG/KG	MDL	0.474	22.0	B	6010C		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Tin	3.54	MG/KG	MDL	0.491	22.8	B	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Tin	3.08	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Tin	3.17	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Tin	2.85	MG/KG	MDL	0.536	24.9	B	6010C		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Tin	2.89	MG/KG	MDL	0.532	24.8	B	6010C		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Tin	3.25	MG/KG	MDL	0.473	22.0	B	6010C		3050B

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Tin	3.14	MG/KG	MDL	0.471	21.9	B	6010C		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Tin	4.18	MG/KG	MDL	0.496	23.1	B	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Tin	3.10	MG/KG	MDL	0.498	23.2	B	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Tin	3.07	MG/KG	MDL	0.518	24.1	B	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Tin	3.94	MG/KG	MDL	0.522	24.3	B	6010C		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Tin	3.82	MG/KG	MDL	0.517	24.1	B	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Tin	2.60	MG/KG	MDL	0.475	22.1	B	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Tin	2.94	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Tin	3.24	MG/KG	MDL	0.546	25.4	B	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Tin	2.85	MG/KG	MDL	0.516	24.0	B	6010C		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Tin	3.05	MG/KG	MDL	0.507	23.6	B	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Tin	2.75	MG/KG	MDL	0.494	23.0	B	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Tin	2.82	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Tin	3.56	MG/KG	MDL	0.511	23.8	B	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Tin	3.83	MG/KG	MDL	0.508	23.6	B	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Tin	2.86	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Tin	3.99	MG/KG	MDL	0.524	24.4	B	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Tin	2.97	MG/KG	MDL	0.480	22.3	B	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Tin	3.38	MG/KG	MDL	0.499	23.2	B	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Tin	3.22	MG/KG	MDL	0.493	23.0	B	6010C		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Tin	2.94	MG/KG	MDL	0.486	22.6	B	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Tin	3.13	MG/KG	MDL	0.475	22.1	B	6010C		3050B

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-1	12/11/2014	7711185	Tin	2.78	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Tin	3.76	MG/KG	MDL	0.510	23.7	B	6010C		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Tin	3.22	MG/KG	MDL	0.497	23.1	B	6010C		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Tin	3.71	MG/KG	MDL	0.478	22.3	B	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Tin	3.03	MG/KG	MDL	0.492	22.9	B	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Tin	3.43	MG/KG	MDL	0.470	21.8	B	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Tin	3.52	MG/KG	MDL	0.493	23.0	B	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Tin	4.50	MG/KG	MDL	0.497	23.1	B	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Tin	3.11	MG/KG	MDL	0.467	21.7	B	6010C		3050B

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-2-121114	12/11/2014	7711223	PCB 1242	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1260	0.12	UG/L	MDL	0.12	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1254	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1221	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1232	0.16	UG/L	MDL	0.16	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1248	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1016	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-9	12/10/2014	7711219	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Pronamide	39	UG/KG	MDL	39	190	UJ	8270D		3546
SSP14-SWMU16-SS-5	12/10/2014	7711215	Methapyrilene	1900	UG/KG	MDL	1900	5700	UJ	8270D		3546
SSP14-SWMU16-SS-6	12/10/2014	7711216	Pronamide	45	UG/KG	MDL	45	230	UJ	8270D		3546
SSP14-SWMU16-SS-6	12/10/2014	7711216	Methapyrilene	2300	UG/KG	MDL	2300	6800	UJ	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Methapyrilene	1800	UG/KG	MDL	1800	5500	UJ	8270D		3546
SSP14-SWMU16-SS-5	12/10/2014	7711215	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Pronamide	37	UG/KG	MDL	37	190	UJ	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Methapyrilene	1900	UG/KG	MDL	1900	5600	UJ	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Pronamide	37	UG/KG	MDL	37	180	UJ	8270D		3546

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2	12/02/2014	7700505	N-Nitrosomorpholine	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Dimethylaminoazobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Phenacetin	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	O,O,O-Triethylphosphorothioate	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Bis(2-Chloroethyl)Ether	97	UG/KG	MDL	97	190	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Tetraethyl Dithiopyrophosphate	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Pentachloronitrobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,3-Dinitrobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,2,4,5-Tetrachlorobenzene	97	UG/KG	MDL	97	190	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Safrole	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Antimony	0.0975	MG/KG	MDL	0.0975	0.462	UJ	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Antimony	0.100	MG/KG	MDL	0.100	0.474	UJ	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Antimony	0.0958	MG/KG	MDL	0.0958	0.454	UJ	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Antimony	0.0969	MG/KG	MDL	0.0969	0.459	UJ	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Antimony	0.0942	MG/KG	MDL	0.0942	0.446	UJ	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Antimony	0.0997	MG/KG	MDL	0.0997	0.473	UJ	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	2-Picoline	120	UG/KG	MDL	120	390	UJ	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Antimony	0.0924	MG/KG	MDL	0.0924	0.438	UJ	6020A		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Antimony	0.104	MG/KG	MDL	0.104	0.495	UJ	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Antimony	0.105	MG/KG	MDL	0.105	0.498	UJ	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Ethyl Methanesulfonate	84	UG/KG	MDL	84	210	UJ	8270D		3546

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Antimony	0.0959	MG/KG	MDL	0.0959	0.455	UJ	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Antimony	0.0952	MG/KG	MDL	0.0952	0.451	UJ	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-10	12/10/2014	7711220	Lead	7.15	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Arsenic	1.31	MG/KG	MDL	0.0985	0.923	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Thallium	0.328	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Thallium	0.442	MG/KG	MDL	0.0372	0.248	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Arsenic	1.55	MG/KG	MDL	0.101	0.942	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Arsenic	2.07	MG/KG	MDL	0.106	0.993	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Thallium	0.445	MG/KG	MDL	0.0353	0.235	J	6020A		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Thallium	0.373	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Thallium	0.364	MG/KG	MDL	0.0341	0.228	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Arsenic	1.26	MG/KG	MDL	0.0972	0.910	J	6020A		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Arsenic	1.34	MG/KG	MDL	0.101	0.947	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Lead	9.43	MG/KG	MDL	0.0145	0.451	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Lead	12.0	MG/KG	MDL	0.0144	0.450	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Thallium	0.277	MG/KG	MDL	0.0342	0.228	J	6020A		3050B
SSP15-SWMU16-SS-10	02/10/2015	7768575	Acetone	22	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Lead	16.5	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Arsenic	1.94	MG/KG	MDL	0.0975	0.913	J	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Lead	9.55	MG/KG	MDL	0.0160	0.498	J	6020A		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Lead	9.02	MG/KG	MDL	0.0159	0.495	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Arsenic	1.34	MG/KG	MDL	0.0940	0.880	J	6020A		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Thallium	0.337	MG/KG	MDL	0.0364	0.243	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Thallium	0.228	MG/KG	MDL	0.0330	0.220	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Arsenic	2.22	MG/KG	MDL	0.104	0.972	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Thallium	0.407	MG/KG	MDL	0.0331	0.221	J	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Lead	11.7	MG/KG	MDL	0.0152	0.473	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Lead	10.8	MG/KG	MDL	0.0149	0.464	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Lead	12.5	MG/KG	MDL	0.0147	0.459	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Lead	11.0	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Lead	18.8	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Lead	10.7	MG/KG	MDL	0.0148	0.462	J	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Lead	9.85	MG/KG	MDL	0.0143	0.446	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Arsenic	2.09	MG/KG	MDL	0.0944	0.884	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Thallium	0.341	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Thallium	0.638	MG/KG	MDL	0.0339	0.226	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Arsenic	2.42	MG/KG	MDL	0.0965	0.904	J	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Lead	8.89	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Thallium	0.350	MG/KG	MDL	0.0344	0.229	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Arsenic	2.95	MG/KG	MDL	0.0978	0.916	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Arsenic	2.64	MG/KG	MDL	0.0986	0.924	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Arsenic	3.10	MG/KG	MDL	0.0980	0.918	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Thallium	0.488	MG/KG	MDL	0.0328	0.218	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Thallium	0.372	MG/KG	MDL	0.0344	0.230	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Arsenic	5.48	MG/KG	MDL	0.0933	0.874	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Arsenic	1.31	MG/KG	MDL	0.0928	0.869	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-1	12/02/2014	7700504	Thallium	0.336	MG/KG	MDL	0.0326	0.217	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Selenium	0.251	MG/KG	MDL	0.109	0.869	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Selenium	0.715	MG/KG	MDL	0.109	0.874	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Selenium	0.424	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Selenium	0.594	MG/KG	MDL	0.115	0.918	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Selenium	0.586	MG/KG	MDL	0.115	0.916	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Selenium	0.691	MG/KG	MDL	0.113	0.904	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Selenium	0.534	MG/KG	MDL	0.110	0.884	J	6020A		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Selenium	0.352	MG/KG	MDL	0.121	0.972	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Selenium	0.236	MG/KG	MDL	0.110	0.880	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Selenium	0.351	MG/KG	MDL	0.115	0.923	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Selenium	0.362	MG/KG	MDL	0.114	0.913	J	6020A		3050B
SSP15-SWMU16-SS-10	02/10/2015	7768575	Tetrachloroethene	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SS-4	12/03/2014	7700518	Selenium	0.360	MG/KG	MDL	0.118	0.947	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Selenium	0.293	MG/KG	MDL	0.114	0.910	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Selenium	0.314	MG/KG	MDL	0.118	0.942	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Selenium	0.728	MG/KG	MDL	0.124	0.993	J	6020A		3050B

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2-D	12/02/2014	7700509	PCB 1254	190	UG/KG	MDL	19	99	J	8082		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Dibenzofuran	4600	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Acenaphthene	4900	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Fluorene	8600	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Naphthalene	7300	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	2-Methylnaphthalene	3200	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Biphenyl	980	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Acenaphthene	2500	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Fluorene	4100	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Naphthalene	640	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2-Methylnaphthalene	550	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Biphenyl	430	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Dibenzofuran	1200	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	PCB 1254	240	UG/KG	MDL	3.8	20	J	8082		3546

Validation Reason Code: High relative percent difference (RPD) observed between MS and MSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Percent Moisture	11.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-4	12/10/2014	7711214	Percent Moisture	10.6	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-1	12/10/2014	7711211	Percent Moisture	14.4	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-10	12/10/2014	7711220	Percent Moisture	14.6	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-2	12/10/2014	7711212	Percent Moisture	14.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU15-SS-2	12/04/2014	7700516	Lead	18.0	MG/KG	MDL	0.0398	1.24	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Copper	18.6	MG/KG	MDL	0.409	2.48	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Lead	16.6	MG/KG	MDL	0.0151	0.471	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Copper	7.48	MG/KG	MDL	0.388	2.35	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Lead	13.3	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Lead	12.0	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Copper	3.56	MG/KG	MDL	0.376	2.28	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Copper	3.44	MG/KG	MDL	0.391	2.37	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Percent Moisture	26.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-5	12/10/2014	7711215	Percent Moisture	13.2	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-7	12/10/2014	7711217	Percent Moisture	14.4	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-8	12/11/2014	7711218	Percent Moisture	13.9	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU19-SS-1	12/03/2014	7700523	Lead	18.3	MG/KG	MDL	0.0147	0.457	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Percent Moisture	13.7	%	MDL	0.50	0.50	J	2540 G-1997		
SSP15-SWMU16-SS-10	02/10/2015	7768575	Percent Moisture	14.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU19-SS-1	12/03/2014	7700523	Copper	3.83	MG/KG	MDL	0.377	2.28	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Lead	15.9	MG/KG	MDL	0.0148	0.461	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Copper	15.4	MG/KG	MDL	0.381	2.31	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Lead	30.1	MG/KG	MDL	0.0390	1.21	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Lead	14.0	MG/KG	MDL	0.0141	0.440	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Copper	2.99	MG/KG	MDL	0.363	2.20	J	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Copper	36.7	MG/KG	MDL	0.401	2.43	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Percent Moisture	15.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-MA-SS-7	12/02/2014	7700514	Copper	21.3	MG/KG	MDL	0.365	2.21	J	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Lead	12.6	MG/KG	MDL	0.0142	0.442	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Lead	11.6	MG/KG	MDL	0.0145	0.452	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Copper	6.22	MG/KG	MDL	0.373	2.26	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Copper	14.1	MG/KG	MDL	0.378	2.29	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Lead	34.2	MG/KG	MDL	0.0371	1.15	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Copper	9.88	MG/KG	MDL	0.379	2.30	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Copper	30.8	MG/KG	MDL	0.381	2.31	J	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Lead	15.0	MG/KG	MDL	0.0140	0.437	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Lead	16.4	MG/KG	MDL	0.0147	0.459	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Copper	18.8	MG/KG	MDL	0.360	2.18	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Lead	16.7	MG/KG	MDL	0.0147	0.458	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Lead	19.1	MG/KG	MDL	0.0140	0.435	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Copper	8.26	MG/KG	MDL	0.359	2.17	J	6010C		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Lead	11.1	MG/KG	MDL	0.0144	0.449	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Lead	10.7	MG/KG	MDL	0.0142	0.443	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Lead	11.4	MG/KG	MDL	0.0141	0.439	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Lead	12.1	MG/KG	MDL	0.0146	0.456	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Zinc	103	MG/KG	MDL	0.323	4.96	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Zinc	50.1	MG/KG	MDL	0.306	4.71	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Lead	16.0	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Zinc	32.5	MG/KG	MDL	0.296	4.55	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Zinc	41.4	MG/KG	MDL	0.308	4.74	J	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Lead	15.1	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Lead	14.9	MG/KG	MDL	0.0170	0.531	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Antimony	1.02	MG/KG	MDL	0.0930	0.441	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Zinc	32.8	MG/KG	MDL	0.287	4.41	J	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Antimony	0.705	MG/KG	MDL	0.0948	0.449	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Zinc	25.2	MG/KG	MDL	0.292	4.49	J	6010C		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Zinc	31.2	MG/KG	MDL	0.297	4.57	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Zinc	130	MG/KG	MDL	0.600	9.23	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Zinc	16.5	MG/KG	MDL	0.285	4.38	J	6010C		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Zinc	18.1	MG/KG	MDL	0.286	4.40	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Lead	11.7	MG/KG	MDL	0.0149	0.464	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Lead	5.68	MG/KG	MDL	0.0154	0.481	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Lead	9.53	MG/KG	MDL	0.0148	0.462	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Zinc	157	MG/KG	MDL	0.632	9.72	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Lead	11.0	MG/KG	MDL	0.0155	0.482	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Lead	12.4	MG/KG	MDL	0.0152	0.472	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Lead	15.9	MG/KG	MDL	0.0152	0.475	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Lead	9.07	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Lead	17.9	MG/KG	MDL	0.0148	0.460	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Lead	7.57	MG/KG	MDL	0.0154	0.480	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Lead	8.82	MG/KG	MDL	0.0163	0.508	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Lead	9.94	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Lead	5.72	MG/KG	MDL	0.0142	0.442	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Zinc	72.6	MG/KG	MDL	0.287	4.42	J	6010C		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Zinc	48.7	MG/KG	MDL	0.294	4.52	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Lead	20.8	MG/KG	MDL	0.0156	0.487	J	6020A		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Antimony	0.619	MG/KG	MDL	0.0939	0.445	J	6020A		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Zinc	182	MG/KG	MDL	1.45	22.3	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Zinc	175	MG/KG	MDL	1.49	22.9	J	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Zinc	112	MG/KG	MDL	0.597	9.18	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Zinc	236	MG/KG	MDL	1.50	23.1	J	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Zinc	101	MG/KG	MDL	0.284	4.37	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Acenaphthylene	1500	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Dibenz(A,H)Anthracene	3100	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Zinc	50.3	MG/KG	MDL	0.282	4.35	J	6010C		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-4	12/11/2014	7711189	Antimony	0.110	MG/KG	MDL	0.0980	0.464	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Antimony	0.306	MG/KG	MDL	0.0958	0.454	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Antimony	0.100	MG/KG	MDL	0.0949	0.450	J	6020A		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Antimony	0.194	MG/KG	MDL	0.0960	0.455	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-4	12/10/2014	7711214	Arsenic	1.56	MG/KG	MDL	0.0937	0.877	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Arsenic	1.32	MG/KG	MDL	0.0969	0.907	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Arsenic	1.08	MG/KG	MDL	0.0974	0.912	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Thallium	0.231	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Arsenic	1.71	MG/KG	MDL	0.0969	0.907	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Arsenic	1.64	MG/KG	MDL	0.0946	0.886	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Thallium	0.274	MG/KG	MDL	0.0398	0.265	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Arsenic	2.05	MG/KG	MDL	0.113	1.06	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Thallium	0.255	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Thallium	0.326	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Arsenic	1.84	MG/KG	MDL	0.0986	0.924	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Arsenic	1.11	MG/KG	MDL	0.103	0.962	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Arsenic	1.48	MG/KG	MDL	0.102	0.960	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Arsenic	2.27	MG/KG	MDL	0.103	0.964	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Thallium	0.341	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Thallium	0.242	MG/KG	MDL	0.0348	0.232	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Arsenic	2.00	MG/KG	MDL	0.0990	0.927	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Arsenic	2.08	MG/KG	MDL	0.101	0.944	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Arsenic	2.11	MG/KG	MDL	0.0982	0.920	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Arsenic	3.90	MG/KG	MDL	0.101	0.950	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Thallium	0.444	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Arsenic	2.59	MG/KG	MDL	0.0970	0.909	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Thallium	0.311	MG/KG	MDL	0.0360	0.240	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-3	12/12/2014	7711201	Thallium	0.301	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Thallium	0.404	MG/KG	MDL	0.0381	0.254	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Thallium	0.278	MG/KG	MDL	0.0356	0.238	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Thallium	0.471	MG/KG	MDL	0.0331	0.221	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Arsenic	1.72	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Arsenic	1.57	MG/KG	MDL	0.0943	0.883	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Arsenic	1.61	MG/KG	MDL	0.101	0.947	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Arsenic	4.90	MG/KG	MDL	0.104	0.974	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Selenium	0.528	MG/KG	MDL	0.122	0.974	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Thallium	0.234	MG/KG	MDL	0.0365	0.244	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Antimony	0.191	MG/KG	MDL	0.103	0.487	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Selenium	0.256	MG/KG	MDL	0.118	0.947	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Selenium	0.366	MG/KG	MDL	0.110	0.883	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Selenium	0.376	MG/KG	MDL	0.127	1.02	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Antimony	0.100	MG/KG	MDL	0.0999	0.474	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Selenium	0.474	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Thallium	0.104	MG/KG	MDL	0.0345	0.230	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Antimony	0.271	MG/KG	MDL	0.0996	0.472	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Selenium	0.533	MG/KG	MDL	0.119	0.950	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Antimony	0.173	MG/KG	MDL	0.100	0.475	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Selenium	0.406	MG/KG	MDL	0.115	0.920	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Selenium	0.371	MG/KG	MDL	0.118	0.944	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Thallium	0.190	MG/KG	MDL	0.0354	0.236	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-8	12/11/2014	7711206	Selenium	0.316	MG/KG	MDL	0.116	0.927	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Antimony	0.130	MG/KG	MDL	0.102	0.482	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Selenium	0.392	MG/KG	MDL	0.120	0.964	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Selenium	0.319	MG/KG	MDL	0.120	0.960	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Selenium	0.134	MG/KG	MDL	0.120	0.962	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Selenium	0.385	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Thallium	0.169	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Antimony	0.371	MG/KG	MDL	0.0957	0.454	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Selenium	0.350	MG/KG	MDL	0.133	1.06	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Antimony	0.225	MG/KG	MDL	0.112	0.531	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Selenium	0.321	MG/KG	MDL	0.111	0.886	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Selenium	0.327	MG/KG	MDL	0.113	0.907	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Antimony	0.129	MG/KG	MDL	0.0957	0.454	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Selenium	0.313	MG/KG	MDL	0.114	0.912	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Antimony	0.132	MG/KG	MDL	0.0962	0.456	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Thallium	0.155	MG/KG	MDL	0.0342	0.228	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Selenium	0.346	MG/KG	MDL	0.113	0.907	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Selenium	0.180	MG/KG	MDL	0.110	0.877	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Thallium	0.213	MG/KG	MDL	0.0329	0.219	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Antimony	0.294	MG/KG	MDL	0.0926	0.439	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Antimony	0.310	MG/KG	MDL	0.0935	0.443	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Thallium	0.164	MG/KG	MDL	0.0332	0.222	J	6020A		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Thallium	0.137	MG/KG	MDL	0.0337	0.225	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Arsenic	0.824	MG/KG	MDL	0.0960	0.899	J	6020A		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Selenium	0.178	MG/KG	MDL	0.112	0.899	J	6020A		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-1	12/02/2014	7700504	Beryllium	0.902	MG/KG	MDL	0.0728	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Cadmium	0.0891	MG/KG	MDL	0.0359	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Carbon Disulfide	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-1	12/02/2014	7700504	Naphthalene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	2-Methylnaphthalene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Mercury	0.0146	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-MA-SS-1	12/02/2014	7700504	Silver	0.536	MG/KG	MDL	0.206	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Antimony	0.393	MG/KG	MDL	0.0917	0.435	J	6020A		3050B
EB-SS-3-120414	12/04/2014	7700528	Lead	0.00039	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-3-120414	12/04/2014	7700528	Nickel	0.0062	MG/L	MDL	0.0016	0.0200	J	6010C		3010A
EB-SS-3-120414	12/04/2014	7700528	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-3-120414	12/04/2014	7700528	Zinc	0.0077	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-MA-SS-2	12/02/2014	7700505	Mercury	0.0607	MG/KG	MDL	0.0116	0.233	J	7471B		7471B
SSP14-MA-SS-2	12/02/2014	7700505	Bis(2-Ethylhexyl)Phthalate	500	UG/KG	MDL	390	990	J	8270D		3546
EB-SS-2-121114	12/11/2014	7711223	Pyrene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Lead	0.00074	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-1-120314	12/03/2014	7700536	Barium	0.0047	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Chromium	0.0038	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Copper	0.0050	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Zinc	0.0168	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Benzo(G,H,I)Perylene	0.4	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Indeno (1,2,3-CD) Pyrene	0.3	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Benzo(K)Fluoranthene	0.3	UG/L	MDL	0.1	0.5	J	8270D		3510C

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-1-120314	12/03/2014	7700536	Anthracene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Antimony	0.00039	MG/L	MDL	0.00033	0.0020	J	6020A		3010A MOD.
EB-SS-2-121114	12/11/2014	7711223	Barium	0.0031	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Copper	0.0079	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Zinc	0.0119	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Phenanthrene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Benzo(B)Fluoranthene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Fluoranthene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Chrysene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-4-120414	12/04/2014	7700532	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-4-120414	12/04/2014	7700532	Nickel	0.0082	MG/L	MDL	0.0016	0.0200	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Copper	0.0030	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Zinc	0.0063	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-MA-SS-1	12/02/2014	7700504	PCB 1260	8.6	UG/KG	MDL	5.5	19	J	8082		3546
SSP14-MA-SS-1	12/02/2014	7700504	PCB 1254	17	UG/KG	MDL	3.7	19	J	8082		3546
SSP14-MA-SS-1	12/02/2014	7700504	Dibenzofuran	28	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Acenaphthylene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Acetone	10	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	Naphthalene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-3	12/03/2014	7700510	2-Methylnaphthalene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-3	12/03/2014	7700510	Beryllium	1.00	MG/KG	MDL	0.0732	1.09	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-3	12/03/2014	7700510	Cadmium	0.252	MG/KG	MDL	0.0360	1.09	J	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Mercury	0.0600	MG/KG	MDL	0.0110	0.219	J	7471B		7471B
SSP14-MA-SS-3	12/03/2014	7700510	Mercury	0.0239	MG/KG	MDL	0.0108	0.216	J	7471B		7471B
SSP14-MA-SS-4	12/02/2014	7700511	Cadmium	0.483	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Carbon Disulfide	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Trichlorofluoromethane	3	UG/KG	MDL	2	6	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Butyl Benzyl Phthalate	160	UG/KG	MDL	76	190	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	2-Methylphenol (O-Cresol)	25	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	Acetophenone	35	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Benzo(G,H,I)Perylene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Benzo(K)Fluoranthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Dibenz(A,H)Anthracene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-4	12/02/2014	7700511	Trichlorofluoromethane	2	UG/KG	MDL	2	5	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Benzyl Alcohol	420	UG/KG	MDL	190	570	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	Mercury	0.0541	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-MA-SS-5	12/03/2014	7700512	Cadmium	0.747	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Beryllium	1.14	MG/KG	MDL	0.0767	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Cadmium	0.395	MG/KG	MDL	0.0378	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	PCB 1254	12	UG/KG	MDL	3.8	19	J	8082		3546
SSP14-MA-SS-3	12/03/2014	7700510	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Selenium	0.501	MG/KG	MDL	0.111	0.890	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2-D	12/02/2014	7700509	Cadmium	0.302	MG/KG	MDL	0.0367	1.11	J	6010C		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Mercury	0.0491	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-MA-SS-2-D	12/02/2014	7700509	2,4-Dimethylphenol	150	UG/KG	MDL	97	190	J	8270D		3546
SSP14-SWMU13-SS-10	12/11/2014	7711198	Beryllium	0.745	MG/KG	MDL	0.0816	1.22	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Cadmium	0.156	MG/KG	MDL	0.0402	1.22	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Mercury	0.152	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Mercury	0.0277	MG/KG	MDL	0.0113	0.226	J	7471B		7471B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Thallium	0.156	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Beryllium	1.12	MG/KG	MDL	0.0794	1.19	J	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Cadmium	0.154	MG/KG	MDL	0.0391	1.19	J	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Methylene Chloride	5	UG/KG	MDL	2	6	J	8260B		5035A
SSP14-SWMU13-SS-2	12/11/2014	7711186	Selenium	0.461	MG/KG	MDL	0.119	0.949	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Fluoranthene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Acenaphthylene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Chrysene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Dibenz(A,H)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(A)Anthracene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Beryllium	0.547	MG/KG	MDL	0.0774	1.15	J	6010C		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Cadmium	0.0589	MG/KG	MDL	0.0381	1.15	J	6010C		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-3	12/11/2014	7711187	Carbon Disulfide	1	UG/KG	MDL	0.9	5	J	8260B		5035A
SSP14-SWMU13-SS-3	12/11/2014	7711187	Selenium	0.439	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Methyl Ethyl Ketone	4	UG/KG	MDL	4	9	J	8260B		5035A
SSP14-SWMU13-SS-3	12/11/2014	7711187	Phenanthrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Pyrene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Indeno (1,2,3-CD) Pyrene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Fluoranthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Chrysene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo[A]Pyrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(A)Anthracene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	1,1-Dichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-MA-SS-6	12/02/2014	7700513	Phenanthrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-7	12/02/2014	7700514	3-Methylcholanthrene	20	UG/KG	MDL	19	39	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Mercury	0.0137	MG/KG	MDL	0.0109	0.218	J	7471B		7471B
SSP14-MA-SS-7	12/02/2014	7700514	Mercury	0.0350	MG/KG	MDL	0.0115	0.231	J	7471B		7471B
SSP14-MA-SS-6	12/02/2014	7700513	Antimony	0.148	MG/KG	MDL	0.0953	0.452	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Cadmium	0.0994	MG/KG	MDL	0.0365	1.10	J	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Antimony	0.171	MG/KG	MDL	0.0932	0.442	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Carbon Disulfide	5	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-7	12/02/2014	7700514	Biphenyl	35	UG/KG	MDL	19	39	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-7	12/02/2014	7700514	Acetophenone	26	UG/KG	MDL	19	39	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Phenol	24	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Anthracene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Dibenz(A,H)Anthracene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Beryllium	0.921	MG/KG	MDL	0.0760	1.13	J	6010C		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Cadmium	0.0919	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Selenium	0.275	MG/KG	MDL	0.113	0.908	J	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Acenaphthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Fluorene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Naphthalene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Mercury	0.0484	MG/KG	MDL	0.0111	0.223	J	7471B		7471B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Thallium	0.139	MG/KG	MDL	0.0335	0.223	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Mercury	0.0586	MG/KG	MDL	0.0111	0.223	J	7471B		7471B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Thallium	0.155	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Mercury	0.0458	MG/KG	MDL	0.0118	0.237	J	7471B		7471B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Thallium	0.190	MG/KG	MDL	0.0356	0.237	J	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Beryllium	0.510	MG/KG	MDL	0.0748	1.12	J	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Cadmium	0.0714	MG/KG	MDL	0.0368	1.12	J	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Carbon Disulfide	0.9	UG/KG	MDL	0.9	5	J	8260B		5035A
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Selenium	0.367	MG/KG	MDL	0.112	0.893	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Pyrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-4	12/11/2014	7711189	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(K)Fluoranthene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Chrysene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo[A]Pyrene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(A)Anthracene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Beryllium	0.708	MG/KG	MDL	0.0769	1.15	J	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Cadmium	0.0998	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Selenium	0.374	MG/KG	MDL	0.115	0.918	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Phenanthrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	Tetrachloroethene	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	cis-1,2 Dichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	trans-1,2- Dichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Beryllium	0.656	MG/KG	MDL	0.0778	1.16	J	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Cadmium	0.0627	MG/KG	MDL	0.0383	1.16	J	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Carbon Disulfide	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU13-SS-4	12/11/2014	7711189	Selenium	0.281	MG/KG	MDL	0.116	0.929	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Phenanthrene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Fluoranthene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-5	12/11/2014	7711190	Chrysene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Dibenz(A,H)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Benzo(A)Anthracene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	Mercury	0.0307	MG/KG	MDL	0.0113	0.225	J	7471B		7471B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Silver	0.506	MG/KG	MDL	0.216	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Thallium	0.151	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Mercury	0.0556	MG/KG	MDL	0.0117	0.235	J	7471B		7471B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Thallium	0.194	MG/KG	MDL	0.0344	0.230	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Mercury	0.0632	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Thallium	0.154	MG/KG	MDL	0.0348	0.232	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Beryllium	0.765	MG/KG	MDL	0.0761	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Cadmium	0.0920	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Carbon Disulfide	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	Selenium	0.267	MG/KG	MDL	0.114	0.908	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Naphthalene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	2-Methylnaphthalene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-7	12/11/2014	7711192	Beryllium	0.962	MG/KG	MDL	0.0792	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Cadmium	0.150	MG/KG	MDL	0.0390	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Selenium	0.399	MG/KG	MDL	0.118	0.945	J	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Trichloroethene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-7	12/11/2014	7711192	Acenaphthene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-7	12/11/2014	7711192	Fluorene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-8	12/11/2014	7711193	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(K)Fluoranthene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo[A]Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(A)Anthracene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Beryllium	0.881	MG/KG	MDL	0.0793	1.18	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Cadmium	0.0817	MG/KG	MDL	0.0391	1.18	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Chromium	3.07	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Phenanthrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Diphenyl Ether	33	UG/KG	MDL	22	43	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Pyrene	13	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Indeno (1,2,3-CD) Pyrene	9	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(B)Fluoranthene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Fluoranthene	15	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Chrysene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo[A]Pyrene	12	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(A)Anthracene	9	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Acetone	17	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SWMU14-SS-2	12/12/2014	7711200	Cadmium	0.0872	MG/KG	MDL	0.0364	1.10	J	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Chromium	2.56	MG/KG	MDL	0.121	3.31	J	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Copper	1.72	MG/KG	MDL	0.364	2.21	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-2	12/12/2014	7711200	Carbon Disulfide	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU14-SS-3	12/12/2014	7711201	Pyrene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(B)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Chrysene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo[A]Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(A)Anthracene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Beryllium	0.926	MG/KG	MDL	0.0851	1.27	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Cadmium	0.0966	MG/KG	MDL	0.0419	1.27	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Chromium	3.28	MG/KG	MDL	0.140	3.81	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Acenaphthene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Phenanthrene	12	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Fluorene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Pyrene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(B)Fluoranthene	10	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Fluoranthene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-5	12/12/2014	7711203	Chrysene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo[A]Pyrene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Acetone	12	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SWMU14-SS-3	12/12/2014	7711201	Mercury	0.0124	MG/KG	MDL	0.0116	0.232	J	7471B		7471B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Mercury	0.0119	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Cadmium	0.108	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Chromium	2.45	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Phenanthrene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Indeno (1,2,3-CD) Pyrene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(B)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Chrysene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo[A]Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(A)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Mercury	0.0404	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(G,H,I)Perylene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(B)Fluoranthene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Fluoranthene	4	UG/KG	MDL	4	19	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Chrysene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo[A]Pyrene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(A)Anthracene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Acetone	15	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SWMU14-SS-10	12/12/2014	7711208	Beryllium	0.757	MG/KG	MDL	0.0796	1.19	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Cadmium	0.126	MG/KG	MDL	0.0392	1.19	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Mercury	0.0474	MG/KG	MDL	0.0117	0.235	J	7471B		7471B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Beryllium	0.676	MG/KG	MDL	0.0770	1.15	J	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Cadmium	0.118	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Phenanthrene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Pyrene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(B)Fluoranthene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Fluoranthene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Chrysene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo[A]Pyrene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(A)Anthracene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Acetone	16	UG/KG	MDL	8	22	J	8260B		5035A
SSP14-SWMU13-SS-8	12/11/2014	7711193	Beryllium	0.827	MG/KG	MDL	0.0791	1.18	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-8	12/11/2014	7711193	Cadmium	0.0885	MG/KG	MDL	0.0389	1.18	J	6010C		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Trichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU13-SS-8	12/11/2014	7711193	Phenanthrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Biphenyl	38	UG/KG	MDL	20	39	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Benzo(G,H,I)Perylene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Indeno (1,2,3-CD) Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Dibenz(A,H)Anthracene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Mercury	0.0335	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Silver	0.338	MG/KG	MDL	0.224	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Mercury	0.0471	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Thallium	0.233	MG/KG	MDL	0.0354	0.236	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Beryllium	0.840	MG/KG	MDL	0.0776	1.16	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Cadmium	0.0915	MG/KG	MDL	0.0382	1.16	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Phenanthrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Pyrene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(B)Fluoranthene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Chrysene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo[A]Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(A)Anthracene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Mercury	0.0163	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Trichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Chrysene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo[A]Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Beryllium	1.09	MG/KG	MDL	0.0807	1.20	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Cadmium	0.0940	MG/KG	MDL	0.0398	1.20	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Phenanthrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-1	12/04/2014	7700520	4-Methylphenol (P-Cresol)	23	UG/KG	MDL	20	41	J	8270D		3546
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Benzene	1	UG/KG	MDL	0.5	5	J	8260B		5035A
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Beryllium	1.08	MG/KG	MDL	0.0814	1.21	J	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Cadmium	0.290	MG/KG	MDL	0.0401	1.21	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Beryllium	0.910	MG/KG	MDL	0.0804	1.20	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Cadmium	0.0768	MG/KG	MDL	0.0396	1.20	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Chromium	2.73	MG/KG	MDL	0.132	3.60	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Phenanthrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo(G,H,I)Perylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo(B)Fluoranthene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo[A]Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546

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SSP14-SWMU14-SS-6	12/12/2014	7711204	Acetone	10	UG/KG	MDL	10	28	J	8260B		5035A
SSP14-SWMU14-SS-6	12/12/2014	7711204	Beryllium	0.583	MG/KG	MDL	0.0806	1.20	J	6010C		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Cadmium	0.0638	MG/KG	MDL	0.0397	1.20	J	6010C		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo(G,H,I)Perylene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo(B)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo[A]Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Cadmium	0.133	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(G,H,I)Perylene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(B)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(K)Fluoranthene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Chrysene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo[A]Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Mercury	0.0289	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Mercury	0.0180	MG/KG	MDL	0.0120	0.240	J	7471B		7471B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Mercury	0.0258	MG/KG	MDL	0.0117	0.234	J	7471B		7471B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Phenanthrene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Pyrene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(G,H,I)Perylene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	19	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Fluoranthene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Chrysene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo[A]Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(A)Anthracene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Mercury	0.0223	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Nickel	2.00	MG/KG	MDL	0.164	2.19	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Thallium	0.198	MG/KG	MDL	0.0328	0.219	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Mercury	0.0276	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Mercury	0.0490	MG/KG	MDL	0.0118	0.235	J	7471B		7471B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Beryllium	1.00	MG/KG	MDL	0.0737	1.10	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Selenium	0.219	MG/KG	MDL	0.109	0.876	J	6020A		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Beryllium	1.00	MG/KG	MDL	0.0733	1.09	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Chromium	2.80	MG/KG	MDL	0.120	3.28	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Trichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU15-SS-1	12/04/2014	7700515	Biphenyl	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU15-SS-1	12/04/2014	7700515	Mercury	0.0319	MG/KG	MDL	0.0110	0.220	J	7471B		7471B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Beryllium	1.11	MG/KG	MDL	0.0834	1.25	J	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Cadmium	0.0909	MG/KG	MDL	0.0411	1.25	J	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Selenium	0.252	MG/KG	MDL	0.125	0.996	J	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Naphthalene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Beryllium	1.06	MG/KG	MDL	0.0829	1.24	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Cadmium	0.0780	MG/KG	MDL	0.0408	1.24	J	6010C		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Selenium	0.236	MG/KG	MDL	0.124	0.990	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Diphenyl Ether	22	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU15-SS-1	12/04/2014	7700515	Acenaphthylene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Acetone	18	UG/KG	MDL	8	22	J	8260B		5035A
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Dibenzofuran	33	UG/KG	MDL	21	42	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo(G,H,I)Perylene	13	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo[A]Pyrene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(G,H,I)Perylene	4	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Chrysene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo[A]Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Biphenyl	220	UG/KG	MDL	190	390	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Anthracene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Dibenz(A,H)Anthracene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Mercury	0.0254	MG/KG	MDL	0.0115	0.230	J	7471B		7471B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU19-SS-2	12/03/2014	7700524	Silver	0.858	MG/KG	MDL	0.213	1.12	J	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Thallium	0.204	MG/KG	MDL	0.0337	0.225	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Selenium	0.197	MG/KG	MDL	0.112	0.899	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Acenaphthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Fluorene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Biphenyl	38	UG/KG	MDL	19	39	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Mercury	0.0313	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Silver	0.520	MG/KG	MDL	0.209	1.10	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Mercury	0.0205	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Beryllium	0.842	MG/KG	MDL	0.0753	1.12	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Beryllium	1.00	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Cadmium	0.123	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Selenium	0.251	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Acenaphthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Phenanthrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Fluorene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Selenium	0.288	MG/KG	MDL	0.110	0.882	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Acenaphthene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Fluorene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Naphthalene	16	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	1,2,4,5-Tetrachlorobenzene	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(G,H,I)Perylene	7	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(B)Fluoranthene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Fluoranthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Chrysene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo[A]Pyrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(A)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Toluene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU19-SS-1	12/03/2014	7700523	Pyrene	100	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(G,H,I)Perylene	120	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Indeno (1,2,3-CD) Pyrene	100	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(B)Fluoranthene	160	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Fluoranthene	90	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(K)Fluoranthene	52	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Chrysene	83	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo[A]Pyrene	130	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(A)Anthracene	86	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Mercury	0.0362	MG/KG	MDL	0.0116	0.231	J	7471B		7471B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Mercury	0.0169	MG/KG	MDL	0.0116	0.231	J	7471B		7471B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Thallium	0.167	MG/KG	MDL	0.0337	0.225	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo[A]Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(A)Anthracene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Anthracene	4	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-9	12/10/2014	7711219	Pyrene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Indeno (1,2,3-CD) Pyrene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(B)Fluoranthene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Chrysene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Beryllium	0.877	MG/KG	MDL	0.0754	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Cadmium	0.119	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Chromium	1.95	MG/KG	MDL	0.124	3.37	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Cobalt	1.04	MG/KG	MDL	0.108	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Selenium	0.220	MG/KG	MDL	0.112	0.900	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Phenanthrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Mercury	0.0173	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Thallium	0.145	MG/KG	MDL	0.0338	0.226	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Arsenic	0.756	MG/KG	MDL	0.0963	0.902	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Beryllium	0.876	MG/KG	MDL	0.0755	1.13	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Cadmium	0.0789	MG/KG	MDL	0.0372	1.13	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Chromium	2.01	MG/KG	MDL	0.124	3.38	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Selenium	0.242	MG/KG	MDL	0.113	0.902	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Acenaphthene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Fluorene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Naphthalene	4	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-6	12/10/2014	7711216	Beryllium	1.15	MG/KG	MDL	0.0889	1.33	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Cadmium	0.0703	MG/KG	MDL	0.0438	1.33	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Carbon Disulfide	1	UG/KG	MDL	0.6	3	J	8260B		5035A
SSP14-SWMU16-SS-5	12/10/2014	7711215	Beryllium	0.662	MG/KG	MDL	0.0742	1.11	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Cadmium	0.0798	MG/KG	MDL	0.0366	1.11	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Chromium	3.24	MG/KG	MDL	0.122	3.32	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Cobalt	0.974	MG/KG	MDL	0.106	1.11	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Mercury	0.0216	MG/KG	MDL	0.0136	0.272	J	7471B		7471B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Tetrachloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(G,H,I)Perylene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(B)Fluoranthene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Chrysene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Cadmium	0.185	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Trichloroethene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU16-SS-7	12/10/2014	7711217	Phenanthrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Mercury	0.0254	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo[A]Pyrene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(A)Anthracene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-4	12/03/2014	7700518	Acenaphthene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-4	12/03/2014	7700518	Fluorene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546

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SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(G,H,I)Perylene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Indeno (1,2,3-CD) Pyrene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Chrysene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(A)Anthracene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Acetone	13	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SWMU15-SS-4	12/03/2014	7700518	Beryllium	1.05	MG/KG	MDL	0.0794	1.18	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Chromium	3.12	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Beryllium	0.920	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Chromium	3.11	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Carbon Disulfide	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SS-5	12/03/2014	7700519	Phenanthrene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(G,H,I)Perylene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Fluoranthene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Chrysene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo[A]Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(A)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Mercury	0.0185	MG/KG	MDL	0.0109	0.218	J	7471B		7471B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SS-5	12/03/2014	7700519	Mercury	0.0186	MG/KG	MDL	0.0109	0.219	J	7471B		7471B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Mercury	0.0192	MG/KG	MDL	0.0111	0.221	J	7471B		7471B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Naphthalene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	2-Methylnaphthalene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	Mercury	0.0262	MG/KG	MDL	0.0119	0.238	J	7471B		7471B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Cadmium	0.0831	MG/KG	MDL	0.0409	1.24	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Beryllium	1.12	MG/KG	MDL	0.0789	1.18	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Antimony	0.274	MG/KG	MDL	0.0993	0.471	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	2-Methylnaphthalene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-2	12/04/2014	7700516	Mercury	0.0369	MG/KG	MDL	0.0123	0.247	J	7471B		7471B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Silver	0.306	MG/KG	MDL	0.236	1.24	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Cadmium	0.0484	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Acetone	19	UG/KG	MDL	9	26	J	8260B		5035A
SSP14-SWMU15-SS-2	12/04/2014	7700516	Acenaphthylene	13	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Beryllium	0.617	MG/KG	MDL	0.0764	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Cadmium	0.0980	MG/KG	MDL	0.0376	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Chromium	2.84	MG/KG	MDL	0.125	3.42	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Cobalt	0.879	MG/KG	MDL	0.109	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Acenaphthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Fluorene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	2-Methylnaphthalene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Anthracene	9	UG/KG	MDL	4	19	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acenaphthylene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Mercury	0.0232	MG/KG	MDL	0.0109	0.219	J	7471B		7471B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Indeno (1,2,3-CD) Pyrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Benzo(K)Fluoranthene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Beryllium	0.831	MG/KG	MDL	0.0760	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Cadmium	0.112	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Chromium	1.82	MG/KG	MDL	0.125	3.40	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Cobalt	1.09	MG/KG	MDL	0.109	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Phenanthrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Thallium	0.214	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Beryllium	1.02	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Cadmium	0.139	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Selenium	0.186	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Beryllium	0.611	MG/KG	MDL	0.0735	1.10	J	6010C		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Cadmium	0.121	MG/KG	MDL	0.0362	1.10	J	6010C		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Carbon Disulfide	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-4	12/10/2014	7711214	Acenaphthene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Fluorene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Mercury	0.0129	MG/KG	MDL	0.0108	0.217	J	7471B		7471B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Tetrachloroethene	4	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-5	12/10/2014	7711215	Mercury	0.0222	MG/KG	MDL	0.0114	0.228	J	7471B		7471B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Mercury	0.0154	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Dibenz(A,H)Anthracene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acetone	17	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SWMU16-SS-4	12/10/2014	7711214	Anthracene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Dibenz(A,H)Anthracene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Beryllium	0.726	MG/KG	MDL	0.0753	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Cadmium	0.0730	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Chromium	1.36	MG/KG	MDL	0.124	3.37	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Cobalt	0.891	MG/KG	MDL	0.108	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Copper	2.19	MG/KG	MDL	0.371	2.25	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Carbon Disulfide	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acenaphthene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Fluorene	4	UG/KG	MDL	4	19	J	8270D		3546

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 19, 2014

Project: BRE - SOIL

Submittal Date: 12/05/2014

Group Number: 1523521

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-MA-SS-1 Soil	7700504
SSP14-MA-SS-2 Soil	7700505
SSP14-MA-SS-2 MS Soil	7700506
SSP14-MA-SS-2 MSD Soil	7700507
SSP14-MA-SS-2 Dupl Soil	7700508
SSP14-MA-SS-2-D Soil	7700509
SSP14-MA-SS-3 Soil	7700510
SSP14-MA-SS-4 Soil	7700511
SSP14-MA-SS-5 Soil	7700512
SSP14-MA-SS-6 Soil	7700513
SSP14-MA-SS-7 Soil	7700514
SSP14-SWMU15-SS-1 Soil	7700515
SSP14-SWMU15-SS-2 Soil	7700516
SSP14-SWMU15-SS-3 Soil	7700517
SSP14-SWMU15-SS-4 Soil	7700518
SSP14-SWMU15-SS-5 Soil	7700519
SSP14-SWMU15-SBS-1 Soil	7700520
SSP14-SWMU15-SBS-2 Soil	7700521
SSP14-SWMU15-SBS-2-D Soil	7700522
SSP14-SWMU19-SS-1 Soil	7700523
SSP14-SWMU19-SS-2 Soil	7700524
SSP14-SWMU19-SS-3 Soil	7700525
TB-SS-8-120114 Blank Water	7700526
TB-SS-8-120114-A Blank Water	7700527
EB-SS-3-120414 Blank Water	7700528
EB-SS-3-120414-A Blank Water	7700529
EB-SS-4-120414 Blank Water	7700532
EB-SS-4-120414-A Blank Water	7700533
EB-SS-1-120314 Blank Water	7700536
EB-SS-1-120314-A Blank Water	7700537
TB-SS-1-120314 Blank Water	7700538

TB-SS-1-120314-A Blank Water

7700539

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	10	J	8	1.04
10237	Acetonitrile	75-05-8	29	U	29	1.04
10237	Acrolein	107-02-8	23	U	23	1.04
10237	Acrylonitrile	107-13-1	5	U	5	1.04
10237	Allyl Chloride	107-05-1	1	U	1	1.04
10237	Benzene	71-43-2	0.6	U	0.6	1.04
10237	Bromodichloromethane	75-27-4	1	U	1	1.04
10237	Bromoform	75-25-2	1	U	1	1.04
10237	Bromomethane	74-83-9	2	U	2	1.04
10237	2-Butanone	78-93-3	5	U	5	1.04
10237	Carbon Disulfide	75-15-0	4	J	1	1.04
10237	Carbon Tetrachloride	56-23-5	1	U	1	1.04
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1.04
10237	Chlorobenzene	108-90-7	1	U	1	1.04
10237	Chloroethane	75-00-3	2	U	2	1.04
10237	Chloroform	67-66-3	1	U	1	1.04
10237	Chloromethane	74-87-3	2	U	2	1.04
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	1.04
10237	Dibromochloromethane	124-48-1	1	U	1	1.04
10237	1,2-Dibromoethane	106-93-4	1	U	1	1.04
10237	Dibromomethane	74-95-3	1	U	1	1.04
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	1.04
10237	Dichlorodifluoromethane	75-71-8	2	U	2	1.04
10237	1,1-Dichloroethane	75-34-3	1	U	1	1.04
10237	1,2-Dichloroethane	107-06-2	1	U	1	1.04
10237	1,1-Dichloroethene	75-35-4	1	U	1	1.04
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	1.04
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	1.04
10237	1,2-Dichloropropane	78-87-5	1	U	1	1.04
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	1.04
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	1.04
10237	Ethyl Methacrylate	97-63-2	1	U	1	1.04
10237	Ethylbenzene	100-41-4	1	U	1	1.04
10237	2-Hexanone	591-78-6	4	U	4	1.04
10237	Isobutyl Alcohol	78-83-1	120	U	120	1.04
10237	Methacrylonitrile	126-98-7	6	U	6	1.04
10237	Methyl Iodide	74-88-4	4	U	4	1.04
10237	Methyl Methacrylate	80-62-6	1	U	1	1.04
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	1.04
10237	Methylene Chloride	75-09-2	2	U	2	1.04
10237	Pentachloroethane	76-01-7	1	U	1	1.04
10237	Propionitrile	107-12-0	35	U	35	1.04
10237	Styrene	100-42-5	1	U	1	1.04
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	1.04
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	1.04
10237	Tetrachloroethene	127-18-4	1	U	1	1.04
10237	Toluene	108-88-3	1	U	1	1.04
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	1.04
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	1.04
10237	Trichloroethene	79-01-6	1	U	1	1.04
10237	Trichlorofluoromethane	75-69-4	2	U	2	1.04

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.04
10237	Vinyl Acetate	108-05-4	2 U	2	12	1.04
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.04
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.04
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	52	4	19	1
10726	Acenaphthylene	208-96-8	15 J	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	75 U	75	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	560	1
10726	Aniline	62-53-3	190 U	190	560	1
10726	Anthracene	120-12-7	150	4	19	1
10726	Benzo(a)anthracene	56-55-3	510	4	19	1
10726	Benzo(a)pyrene	50-32-8	490	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	660	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	380	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	250	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	560	1
10726	1,1'-Biphenyl	92-52-4	110	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	75 U	75	190	1
10726	Di-n-butylphthalate	84-74-2	75 U	75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	37	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	470	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	99	4	19	1
10726	Dibenzofuran	132-64-9	28 J	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	75 U	75	190	1
10726	Dimethoate	60-51-5	190 U	190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75 U	75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	560 U	560	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	480	19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	1,000	4	19	1
10726	Fluorene	86-73-7	58	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	330	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	8	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	17	J 4	19	1
10726	1,4-Napthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	620	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	820	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	4.0	U 4.0	19	1
10736	PCB-1221	11104-28-2	5.1	U 5.1	19	1
10736	PCB-1232	11141-16-5	9.0	U 9.0	19	1
10736	PCB-1242	53469-21-9	3.7	U 3.7	19	1
10736	PCB-1248	12672-29-6	3.7	U 3.7	19	1
10736	PCB-1254	11097-69-1	17	J 3.7	19	1
10736	PCB-1260	11096-82-5	8.6	J 5.5	19	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	104	0.0717	2.17	2
06947	Beryllium	7440-41-7	0.902 J	0.0728	1.09	1
06949	Cadmium	7440-43-9	0.0891 J	0.0359	1.09	1
06951	Chromium	7440-47-3	6.27	0.120	3.26	1
06952	Cobalt	7440-48-4	2.46	0.104	1.09	1
06953	Copper	7440-50-8	8.26	0.359	2.17	1
06961	Nickel	7440-02-0	23.5	0.163	2.17	1
06966	Silver	7440-22-4	0.536 J	0.206	1.09	1
06969	Tin	7440-31-5	3.11 J	0.467	21.7	1
06971	Vanadium	7440-62-2	9.07	0.0989	1.09	1
06972	Zinc	7440-66-6	50.3	0.282	4.35	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.393 J	0.0917	0.435	2
06125	Arsenic	7440-38-2	1.31	0.0928	0.869	2
06135	Lead	7439-92-1	19.1	0.0140	0.435	2
06141	Selenium	7782-49-2	0.251 J	0.109	0.869	2
06145	Thallium	7440-28-0	0.336	0.0326	0.217	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0146 J	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	11.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 12:37	Chelsea B Stong	1.04
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 11:04	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 11:04	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 11:04	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 01:10	Catherine E Bachman	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 16:09	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 01:00	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/12/2014 17:12	Katlin N Cataldi	2
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:41	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:53	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:53	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:53	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:53	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:53	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:57	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	37	8	22	0.95
10237	Acetonitrile	75-05-8	28	U	110	0.95
10237	Acrolein	107-02-8	22	U	22	110
10237	Acrylonitrile	107-13-1	4	U	4	22
10237	Allyl Chloride	107-05-1	1	U	1	6
10237	Benzene	71-43-2	0.6	U	0.6	6
10237	Bromodichloromethane	75-27-4	1	U	1	6
10237	Bromoform	75-25-2	1	U	1	6
10237	Bromomethane	74-83-9	2	U	2	6
10237	2-Butanone	78-93-3	4	U	4	11
10237	Carbon Disulfide	75-15-0	1	J	1	6
10237	Carbon Tetrachloride	56-23-5	1	U	1	6
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6
10237	Chlorobenzene	108-90-7	1	U	1	6
10237	Chloroethane	75-00-3	2	U	2	6
10237	Chloroform	67-66-3	1	U	1	6
10237	Chloromethane	74-87-3	2	U	2	6
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6
10237	Dibromochloromethane	124-48-1	1	U	1	6
10237	1,2-Dibromoethane	106-93-4	1	U	1	6
10237	Dibromomethane	74-95-3	1	U	1	6
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	56
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6
10237	1,1-Dichloroethane	75-34-3	1	U	1	6
10237	1,2-Dichloroethane	107-06-2	1	U	1	6
10237	1,1-Dichloroethene	75-35-4	1	U	1	6
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6
10237	1,2-Dichloropropane	78-87-5	1	U	1	6
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6
10237	Ethyl Methacrylate	97-63-2	1	U	1	6
10237	Ethylbenzene	100-41-4	1	U	1	6
10237	2-Hexanone	591-78-6	3	U	3	11
10237	Isobutyl Alcohol	78-83-1	110	U	110	280
10237	Methacrylonitrile	126-98-7	6	U	6	56
10237	Methyl Iodide	74-88-4	3	U	3	6
10237	Methyl Methacrylate	80-62-6	1	U	1	6
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	11
10237	Methylene Chloride	75-09-2	2	U	2	6
10237	Pentachloroethane	76-01-7	1	U	1	6
10237	Propionitrile	107-12-0	33	U	33	110
10237	Styrene	100-42-5	1	U	1	6
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	6
10237	Tetrachloroethene	127-18-4	1	U	1	6
10237	Toluene	108-88-3	1	U	1	6
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6
10237	Trichloroethene	79-01-6	1	U	1	6
10237	Trichlorofluoromethane	75-69-4	2	U	2	6

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1	U	1	6	0.95
10237	Vinyl Acetate	108-05-4	2	U	2	11	0.95
10237	Vinyl Chloride	75-01-4	1	U	1	6	0.95
10237	Xylene (Total)	1330-20-7	1	U	1	6	0.95
GC/MS	Semivolatiles	SW-846 8270D	ug/kg		ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,500		19	99	5
10726	Acenaphthylene	208-96-8	1,500		19	99	5
10726	Acetophenone	98-86-2	97	U	97	190	5
10726	2-Acetylaminofluorene	53-96-3	390	U	390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U	970	2,900	5
10726	Aniline	62-53-3	970	U	970	2,900	5
10726	Anthracene	120-12-7	9,100		19	99	5
10726	Benzo(a)anthracene	56-55-3	22,000		19	99	5
10726	Benzo(a)pyrene	50-32-8	17,000		19	99	5
10726	Benzo(b)fluoranthene	205-99-2	22,000		19	99	5
10726	Benzo(g,h,i)perylene	191-24-2	11,000		19	99	5
10726	Benzo(k)fluoranthene	207-08-9	9,000		19	99	5
10726	Benzyl alcohol	100-51-6	970	U	970	2,900	5
10726	1,1'-Biphenyl	92-52-4	430		97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	97	U	97	190	5
10726	Butylbenzylphthalate	85-68-7	390	U	390	970	5
10726	Di-n-butylphthalate	84-74-2	390	U	390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	97	U	97	190	5
10726	4-Chloroaniline	106-47-8	97	U	97	190	5
10726	Chlorobenzilate	510-15-6	190	U	190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	97	U	97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	97	U	97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	97	U	97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	41	U	41	190	5
10726	2-Chlorophenol	95-57-8	97	U	97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	97	U	97	190	5
10726	Chrysene	218-01-9	19,000		19	99	5
10726	Diallate TRANS/CIS	2303-16-4	190	U	190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	3,100		19	99	5
10726	Dibenzofuran	132-64-9	1,200		97	190	5
10726	1,2-Dichlorobenzene	95-50-1	97	U	97	190	5
10726	1,3-Dichlorobenzene	541-73-1	97	U	97	190	5
10726	1,4-Dichlorobenzene	106-46-7	97	U	97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	580	U	580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	97	U	97	190	5
10726	2,6-Dichlorophenol	87-65-0	97	U	97	190	5
10726	Diethylphthalate	84-66-2	390	U	390	970	5
10726	Dimethoate	60-51-5	970	U	970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	390	U	390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	97	U	97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U	2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	97	U 97	190	5
10726	Dimethylphthalate	131-11-3	390	U 390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U 970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	390	U 390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,800	U 1,800	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	390	U 390	970	5
10726	2,6-Dinitrotoluene	606-20-2	97	U 97	190	5
10726	1,4-Dioxane	123-91-1	580	U 580	1,900	5
10726	Diphenyl ether	101-84-8	500	97	190	5
10726	Ethyl methanesulfonate	62-50-0	390	U 390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	500	J 390	990	5
10726	Fluoranthene	206-44-0	58,000	78	400	20
10726	Fluorene	86-73-7	4,100	19	99	5
10726	Hexachlorobenzene	118-74-1	19	U 19	99	5
10726	Hexachlorobutadiene	87-68-3	97	U 97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U 970	2,900	5
10726	Hexachloroethane	67-72-1	190	U 190	970	5
10726	Hexachloropropene	1888-71-7	580	U 580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	10,000	19	99	5
10726	Isodrin	465-73-6	97	U 97	190	5
10726	Isophorone	78-59-1	97	U 97	190	5
10726	Isosafrole	120-58-1	390	U 390	970	5
10726	Methapyrilene	91-80-5	9,700	U 9,700	29,000	5
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	190	U 190	970	5
10726	3-Methylcholanthrene	56-49-5	280	97	190	5
10726	2-Methylnaphthalene	91-57-6	550	19	99	5
10726	2-Methylphenol	95-48-7	97	U 97	190	5
10726	4-Methylphenol	106-44-5	97	U 97	190	5
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	640	19	99	5
10726	1,4-Napthoquinone	130-15-4	4,900	U 4,900	19,000	5
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	970	U 970	2,900	5
10726	2-Naphthylamine	91-59-8	970	U 970	2,900	5
10726	2-Nitroaniline	88-74-4	97	U 97	190	5
10726	3-Nitroaniline	99-09-2	390	U 390	970	5
10726	4-Nitroaniline	100-01-6	390	U 390	970	5
10726	Nitrobenzene	98-95-3	97	U 97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U 970	2,900	5
10726	2-Nitrophenol	88-75-5	97	U 97	190	5
10726	4-Nitrophenol	100-02-7	970	U 970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U 1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	97	U 97	190	5
10726	N-Nitrosodimethylamine	62-75-9	390	U 390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	390	U 390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	97	U 97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	97	U 97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	390	U 390	970	5
10726	N-Nitrosomorpholine	59-89-2	390	U 390	970	5
10726	N-Nitrosopiperidine	100-75-4	97	U 97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	97	U 97	190	5
10726	Di-n-octylphthalate	117-84-0	390	U 390	970	5
10726	Pentachlorobenzene	608-93-5	97	U 97	190	5
10726	Pentachloronitrobenzene	82-68-8	390	U 390	970	5
10726	Pentachlorophenol	87-86-5	190	U 190	990	5
10726	Phenacetin	62-44-2	390	U 390	970	5
10726	Phenanthrene	85-01-8	36,000	78	400	20
10726	Phenol	108-95-2	97	U 97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U 68,000	190,000	5
10726	2-Picoline	109-06-8	580	U 580	1,900	5
10726	Pronamide	23950-58-5	190	U 190	970	5
10726	Pyrene	129-00-0	41,000	78	400	20
10726	Pyridine	110-86-1	390	U 390	970	5
10726	Safrole	94-59-7	390	U 390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	97	U 97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	390	U 390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	390	U 390	970	5
10726	Thionazin	297-97-2	390	U 390	970	5
10726	o-Toluidine	95-53-4	1,200	U 1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	97	U 97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	97	U 97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	97	U 97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	390	U 390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	970	U 970	2,900	5

Pesticides/PCBs	SW-846 8082	ug/kg	ug/kg	ug/kg
10736	PCB-1016	12674-11-2	4.2 U	20
10736	PCB-1221	11104-28-2	5.3 U	20
10736	PCB-1232	11141-16-5	9.3 U	20
10736	PCB-1242	53469-21-9	3.8 U	20
10736	PCB-1248	12672-29-6	3.8 U	20
10736	PCB-1254	11097-69-1	240	3.8
10736	PCB-1260	11096-82-5	5.7 U	20

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.8 U	12
12925	Ethylene glycol	107-21-1	5.8 U	12
12925	Propylene glycol	57-55-6	5.8 U	12

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC Miscellaneous						
	SW-846 8015C Feb 2007 Rev 3		mg/kg	mg/kg	mg/kg	
12925	Triethylene glycol	112-27-6	5.8 U	5.8	12	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	48.3	0.0378	1.15	1
06947	Beryllium	7440-41-7	1.14 J	0.0767	1.15	1
06949	Cadmium	7440-43-9	0.395 J	0.0378	1.15	1
06951	Chromium	7440-47-3	12.3	0.126	3.44	1
06952	Cobalt	7440-48-4	2.99	0.110	1.15	1
06953	Copper	7440-50-8	14.1	0.378	2.29	1
06961	Nickel	7440-02-0	9.89	0.172	2.29	1
06966	Silver	7440-22-4	36.5	0.218	1.15	1
06969	Tin	7440-31-5	3.03 J	0.492	22.9	1
06971	Vanadium	7440-62-2	17.5	0.104	1.15	1
06972	Zinc	7440-66-6	175	1.49	22.9	5
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.859	0.0967	0.458	2
06125	Arsenic	7440-38-2	2.95	0.0978	0.916	2
06135	Lead	7439-92-1	16.7	0.0147	0.458	2
06141	Selenium	7782-49-2	0.586 J	0.115	0.916	2
06145	Thallium	7440-28-0	0.350	0.0344	0.229	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0607 J	0.0116	0.233	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 13:00	Chelsea B Stong	0.95
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/15/2014 23:57	Catherine E Bachman	5
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 09:44	Linda M Hartenstine	20
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 16:20	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 02:14	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 10:52	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014 16:51	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:22	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:22	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:22	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:22	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:22	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:33	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	170	7	21	0.89
10237	Acetonitrile	75-05-8	140	24	96	0.82
10237	Acrolein	107-02-8	150	21	100	0.89
10237	Acrylonitrile	107-13-1	88	4	21	0.89
10237	Allyl Chloride	107-05-1	19	1	5	0.89
10237	Benzene	71-43-2	21	0.5	5	0.89
10237	Bromodichloromethane	75-27-4	20	1	5	0.89
10237	Bromoform	75-25-2	17	1	5	0.89
10237	Bromomethane	74-83-9	18	2	5	0.89
10237	2-Butanone	78-93-3	140	4	10	0.89
10237	Carbon Disulfide	75-15-0	20	1	5	0.89
10237	Carbon Tetrachloride	56-23-5	21	1	5	0.89
10237	2-Chloro-1,3-butadiene	126-99-8	21	1	5	0.89
10237	Chlorobenzene	108-90-7	21	1	5	0.89
10237	Chloroethane	75-00-3	16	2	5	0.89
10237	Chloroform	67-66-3	21	1	5	0.89
10237	Chloromethane	74-87-3	19	2	5	0.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	16	2	5	0.89
10237	Dibromochloromethane	124-48-1	21	1	5	0.89
10237	1,2-Dibromoethane	106-93-4	21	1	5	0.89
10237	Dibromomethane	74-95-3	20	1	5	0.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	130	10	52	0.89
10237	Dichlorodifluoromethane	75-71-8	23	2	5	0.89
10237	1,1-Dichloroethane	75-34-3	20	1	5	0.89
10237	1,2-Dichloroethane	107-06-2	22	1	5	0.89
10237	1,1-Dichloroethene	75-35-4	21	1	5	0.89
10237	cis-1,2-Dichloroethene	156-59-2	21	1	5	0.89
10237	trans-1,2-Dichloroethene	156-60-5	22	1	5	0.89
10237	1,2-Dichloropropane	78-87-5	20	1	5	0.89
10237	cis-1,3-Dichloropropene	10061-01-5	19	1	5	0.89
10237	trans-1,3-Dichloropropene	10061-02-6	21	1	5	0.89
10237	Ethyl Methacrylate	97-63-2	20	1	5	0.89
10237	Ethylbenzene	100-41-4	22	1	5	0.89
10237	2-Hexanone	591-78-6	74	3	10	0.89
10237	Isobutyl Alcohol	78-83-1	480	100	260	0.89
10237	Methacrylonitrile	126-98-7	160	5	52	0.89
10237	Methyl Iodide	74-88-4	20	3	5	0.89
10237	Methyl Methacrylate	80-62-6	21	1	5	0.89
10237	4-Methyl-2-pentanone	108-10-1	73	3	10	0.89
10237	Methylene Chloride	75-09-2	19	2	5	0.89
10237	Pentachloroethane	76-01-7	24	1	5	0.89
10237	Propionitrile	107-12-0	160	31	100	0.89
10237	Styrene	100-42-5	21	1	5	0.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	20	1	5	0.89
10237	1,1,1,2-Tetrachloroethane	79-34-5	22	1	5	0.89
10237	Tetrachloroethene	127-18-4	22	1	5	0.89
10237	Toluene	108-88-3	23	1	5	0.89
10237	1,1,1-Trichloroethane	71-55-6	20	1	5	0.89
10237	1,1,2-Trichloroethane	79-00-5	21	1	5	0.89
10237	Trichloroethene	79-01-6	22	1	5	0.89
10237	Trichlorofluoromethane	75-69-4	26	2	5	0.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	25	1	5	0.89
10237	Vinyl Acetate	108-05-4	74	2	10	0.82
10237	Vinyl Chloride	75-01-4	22	1	5	0.89
10237	Xylene (Total)	1330-20-7	64	1	5	0.89
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,500	19	99	5
10726	Acenaphthylene	208-96-8	2,100	19	99	5
10726	Acetophenone	98-86-2	1,500	97	190	5
10726	2-Acetylaminofluorene	53-96-3	1,500	390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U 970	2,900	5
10726	Aniline	62-53-3	970	U 970	2,900	5
10726	Anthracene	120-12-7	5,200	19	99	5
10726	Benzo(a)anthracene	56-55-3	12,000	19	99	5
10726	Benzo(a)pyrene	50-32-8	9,800	19	99	5
10726	Benzo(b)fluoranthene	205-99-2	12,000	19	99	5
10726	Benzo(g,h,i)perylene	191-24-2	7,000	19	99	5
10726	Benzo(k)fluoranthene	207-08-9	6,400	19	99	5
10726	Benzyl alcohol	100-51-6	1,600	J 970	2,900	5
10726	1,1'-Biphenyl	92-52-4	1,500	97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	1,400	97	190	5
10726	Butylbenzylphthalate	85-68-7	1,600	390	970	5
10726	Di-n-butylphthalate	84-74-2	1,500	390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	1,500	97	190	5
10726	4-Chloroaniline	106-47-8	710	97	190	5
10726	Chlorobenzilate	510-15-6	1,600	190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	1,300	97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	1,400	97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,400	97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,400	41	190	5
10726	2-Chlorophenol	95-57-8	1,600	97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	1,500	97	190	5
10726	Chrysene	218-01-9	10,000	19	99	5
10726	Diallate TRANS/CIS	2303-16-4	1,500	190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	3,700	19	99	5
10726	Dibenzofuran	132-64-9	2,000	97	190	5
10726	1,2-Dichlorobenzene	95-50-1	1,500	97	190	5
10726	1,3-Dichlorobenzene	541-73-1	1,500	97	190	5
10726	1,4-Dichlorobenzene	106-46-7	1,400	97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	870	J 580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	1,400	97	190	5
10726	2,6-Dichlorophenol	87-65-0	1,400	97	190	5
10726	Diethylphthalate	84-66-2	1,400	390	970	5
10726	Dimethoate	60-51-5	1,200	J 970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	1,600	390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,600	97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U 2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	1,400	97	190	5
10726	Dimethylphthalate	131-11-3	1,400	390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U 970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	1,200	390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,700	U 1,700	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	1,300	390	970	5
10726	2,6-Dinitrotoluene	606-20-2	1,400	97	190	5
10726	1,4-Dioxane	123-91-1	1,000	J 580	1,900	5
10726	Diphenyl ether	101-84-8	1,900	97	190	5
10726	Ethyl methanesulfonate	62-50-0	1,100	390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	1,700	390	990	5
10726	Fluoranthene	206-44-0	19,000	19	99	5
10726	Fluorene	86-73-7	3,100	19	99	5
10726	Hexachlorobenzene	118-74-1	1,400	19	99	5
10726	Hexachlorobutadiene	87-68-3	1,400	97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U 970	2,900	5
10726	Hexachloroethane	67-72-1	1,100	190	970	5
10726	Hexachloropropene	1888-71-7	580	U 580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	6,700	19	99	5
10726	Isodrin	465-73-6	1,500	97	190	5
10726	Isophorone	78-59-1	1,400	97	190	5
10726	Isosafrole	120-58-1	1,500	390	970	5
10726	Methapyrilene	91-80-5	9,700	U 9,700	29,000	5
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	580	J 190	970	5
10726	3-Methylcholanthrene	56-49-5	2,000	97	190	5
10726	2-Methylnaphthalene	91-57-6	1,600	19	99	5
10726	2-Methylphenol	95-48-7	1,700	97	190	5
10726	4-Methylphenol	106-44-5	1,600	97	190	5
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,900	19	99	5
10726	1,4-Naphthoquinone	130-15-4	4,800	U 4,800	19,000	5
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	1,200	J 970	2,900	5
10726	2-Naphthylamine	91-59-8	970	U 970	2,900	5
10726	2-Nitroaniline	88-74-4	1,500	97	190	5
10726	3-Nitroaniline	99-09-2	1,200	390	970	5
10726	4-Nitroaniline	100-01-6	1,300	390	970	5
10726	Nitrobenzene	98-95-3	1,300	97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U 970	2,900	5
10726	2-Nitrophenol	88-75-5	1,400	97	190	5
10726	4-Nitrophenol	100-02-7	1,300	J 970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U 1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	1,500	97	190	5
10726	N-Nitrosodimethylamine	62-75-9	1,400	390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	1,200	390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	1,500	97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	1,500	97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,400	390	970	5
10726	N-Nitrosomorpholine	59-89-2	1,500	390	970	5
10726	N-Nitrosopiperidine	100-75-4	1,400	97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	1,500	97	190	5
10726	Di-n-octylphthalate	117-84-0	1,500	390	970	5
10726	Pentachlorobenzene	608-93-5	1,400	97	190	5
10726	Pentachloronitrobenzene	82-68-8	1,400	390	970	5
10726	Pentachlorophenol	87-86-5	1,100	190	990	5
10726	Phenacetin	62-44-2	1,400	390	970	5
10726	Phenanthrene	85-01-8	13,000	19	99	5
10726	Phenol	108-95-2	1,600	97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U 68,000	190,000	5
10726	2-Picoline	109-06-8	1,400	J 580	1,900	5
10726	Pronamide	23950-58-5	1,400	190	970	5
10726	Pyrene	129-00-0	16,000	19	99	5
10726	Pyridine	110-86-1	1,400	390	970	5
10726	Safrole	94-59-7	1,400	390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,400	97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,200	390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,300	390	970	5
10726	Thionazin	297-97-2	1,500	390	970	5
10726	o-Toluidine	95-53-4	1,200	U 1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	1,500	97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	1,400	97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	1,300	97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,300	390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	1,200	J 970	2,900	5
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	280	4.2	20	1
10736	PCB-1221	11104-28-2	5.3	U 5.3	20	1
10736	PCB-1232	11141-16-5	9.3	U 9.3	20	1
10736	PCB-1242	53469-21-9	3.8	U 3.8	20	1
10736	PCB-1248	12672-29-6	3.8	U 3.8	20	1
10736	PCB-1254	11097-69-1	190	3.8	20	1
10736	PCB-1260	11096-82-5	180	5.7	20	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	170	5.8	12	1
12925	Ethylene glycol	107-21-1	210	5.8	12	1
12925	Propylene glycol	57-55-6	220	5.8	12	1
12925	Triethylene glycol	112-27-6	130	5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	277	0.0378	1.15	1
06947	Beryllium	7440-41-7	6.95	0.0767	1.15	1
06949	Cadmium	7440-43-9	5.74	0.0378	1.15	1
06951	Chromium	7440-47-3	36.3	0.126	3.44	1
06952	Cobalt	7440-48-4	59.7	0.110	1.15	1
06953	Copper	7440-50-8	43.3	0.378	2.29	1
06961	Nickel	7440-02-0	69.3	0.172	2.29	1
06966	Silver	7440-22-4	35.9	0.218	1.15	1
06969	Tin	7440-31-5	426	0.492	22.9	1
06971	Vanadium	7440-62-2	85.4	0.104	1.15	1
06972	Zinc	7440-66-6	250	1.49	22.9	5
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.08	0.0967	0.458	2
06125	Arsenic	7440-38-2	6.35	0.0978	0.916	2
06135	Lead	7439-92-1	25.4	0.0147	0.458	2
06141	Selenium	7782-49-2	3.83	0.115	0.916	2
06145	Thallium	7440-28-0	1.13	0.0344	0.229	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.213 J	0.0116	0.232	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	14.4	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 13:23	Chelsea B Stong	0.89
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 14:08	Chelsea B Stong	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 00:22	Catherine E Bachman	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 16:31	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 02:29	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:04	Joanne M Gates	1
06972	Zinc	SW-846 6010C	2	143430637001	12/12/2014 17:02	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:29	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:29	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:29	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:29	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:29	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:39	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	180	8	22	0.93
10237	Acetonitrile	75-05-8	140	23	93	0.8
10237	Acrolein	107-02-8	150	22	110	0.93
10237	Acrylonitrile	107-13-1	89	4	22	0.93
10237	Allyl Chloride	107-05-1	20	1	5	0.93
10237	Benzene	71-43-2	22	0.5	5	0.93
10237	Bromodichloromethane	75-27-4	21	1	5	0.93
10237	Bromoform	75-25-2	17	1	5	0.93
10237	Bromomethane	74-83-9	18	2	5	0.93
10237	2-Butanone	78-93-3	150	4	11	0.93
10237	Carbon Disulfide	75-15-0	19	1	5	0.93
10237	Carbon Tetrachloride	56-23-5	22	1	5	0.93
10237	2-Chloro-1,3-butadiene	126-99-8	22	1	5	0.93
10237	Chlorobenzene	108-90-7	22	1	5	0.93
10237	Chloroethane	75-00-3	16	2	5	0.93
10237	Chloroform	67-66-3	22	1	5	0.93
10237	Chloromethane	74-87-3	20	2	5	0.93
10237	1,2-Dibromo-3-chloropropane	96-12-8	16	2	5	0.93
10237	Dibromochloromethane	124-48-1	22	1	5	0.93
10237	1,2-Dibromoethane	106-93-4	22	1	5	0.93
10237	Dibromomethane	74-95-3	21	1	5	0.93
10237	trans-1,4-Dichloro-2-butene	110-57-6	130	11	55	0.93
10237	Dichlorodifluoromethane	75-71-8	23	2	5	0.93
10237	1,1-Dichloroethane	75-34-3	21	1	5	0.93
10237	1,2-Dichloroethane	107-06-2	23	1	5	0.93
10237	1,1-Dichloroethene	75-35-4	20	1	5	0.93
10237	cis-1,2-Dichloroethene	156-59-2	22	1	5	0.93
10237	trans-1,2-Dichloroethene	156-60-5	22	1	5	0.93
10237	1,2-Dichloropropane	78-87-5	21	1	5	0.93
10237	cis-1,3-Dichloropropene	10061-01-5	20	1	5	0.93
10237	trans-1,3-Dichloropropene	10061-02-6	21	1	5	0.93
10237	Ethyl Methacrylate	97-63-2	20	1	5	0.93
10237	Ethylbenzene	100-41-4	22	1	5	0.93
10237	2-Hexanone	591-78-6	77	3	11	0.93
10237	Isobutyl Alcohol	78-83-1	490	110	270	0.93
10237	Methacrylonitrile	126-98-7	160	5	55	0.93
10237	Methyl Iodide	74-88-4	20	3	5	0.93
10237	Methyl Methacrylate	80-62-6	22	1	5	0.93
10237	4-Methyl-2-pentanone	108-10-1	76	3	11	0.93
10237	Methylene Chloride	75-09-2	19	2	5	0.93
10237	Pentachloroethane	76-01-7	24	1	5	0.93
10237	Propionitrile	107-12-0	160	33	110	0.93
10237	Styrene	100-42-5	21	1	5	0.93
10237	1,1,1,2-Tetrachloroethane	630-20-6	21	1	5	0.93
10237	1,1,2,2-Tetrachloroethane	79-34-5	23	1	5	0.93
10237	Tetrachloroethene	127-18-4	23	1	5	0.93
10237	Toluene	108-88-3	24	1	5	0.93
10237	1,1,1-Trichloroethane	71-55-6	20	1	5	0.93
10237	1,1,2-Trichloroethane	79-00-5	23	1	5	0.93
10237	Trichloroethene	79-01-6	23	1	5	0.93
10237	Trichlorofluoromethane	75-69-4	27	2	5	0.93

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	26	1	5	0.93
10237	Vinyl Acetate	108-05-4	66	2	9	0.8
10237	Vinyl Chloride	75-01-4	23	1	5	0.93
10237	Xylene (Total)	1330-20-7	65	1	5	0.93
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,100	19	99	5
10726	Acenaphthylene	208-96-8	2,000	19	99	5
10726	Acetophenone	98-86-2	1,400	97	190	5
10726	2-Acetylaminofluorene	53-96-3	1,400	390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U 970	2,900	5
10726	Aniline	62-53-3	970	U 970	2,900	5
10726	Anthracene	120-12-7	3,800	19	99	5
10726	Benzo(a)anthracene	56-55-3	8,400	19	99	5
10726	Benzo(a)pyrene	50-32-8	7,200	19	99	5
10726	Benzo(b)fluoranthene	205-99-2	9,600	19	99	5
10726	Benzo(g,h,i)perylene	191-24-2	5,700	19	99	5
10726	Benzo(k)fluoranthene	207-08-9	4,100	19	99	5
10726	Benzyl alcohol	100-51-6	1,400	J 970	2,900	5
10726	1,1'-Biphenyl	92-52-4	1,400	97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	1,400	97	190	5
10726	Butylbenzylphthalate	85-68-7	1,800	390	970	5
10726	Di-n-butylphthalate	84-74-2	1,400	390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	1,400	97	190	5
10726	4-Chloroaniline	106-47-8	690	97	190	5
10726	Chlorobenzilate	510-15-6	1,600	190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	1,200	97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	1,300	97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,400	97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,200	41	190	5
10726	2-Chlorophenol	95-57-8	1,500	97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	1,400	97	190	5
10726	Chrysene	218-01-9	7,200	19	99	5
10726	Diallate TRANS/CIS	2303-16-4	1,400	190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	2,500	19	99	5
10726	Dibenzofuran	132-64-9	1,900	97	190	5
10726	1,2-Dichlorobenzene	95-50-1	1,400	97	190	5
10726	1,3-Dichlorobenzene	541-73-1	1,300	97	190	5
10726	1,4-Dichlorobenzene	106-46-7	1,300	97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	850	J 580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	1,300	97	190	5
10726	2,6-Dichlorophenol	87-65-0	1,400	97	190	5
10726	Diethylphthalate	84-66-2	1,300	390	970	5
10726	Dimethoate	60-51-5	1,100	J 970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	1,500	390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,300	97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U 2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	1,300	97	190	5
10726	Dimethylphthalate	131-11-3	1,300	390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U 970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	1,100	390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,700	U 1,700	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	1,300	390	970	5
10726	2,6-Dinitrotoluene	606-20-2	1,300	97	190	5
10726	1,4-Dioxane	123-91-1	910	J 580	1,900	5
10726	Diphenyl ether	101-84-8	1,700	97	190	5
10726	Ethyl methanesulfonate	62-50-0	980	390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	1,700	390	990	5
10726	Fluoranthene	206-44-0	15,000	19	99	5
10726	Fluorene	86-73-7	2,700	19	99	5
10726	Hexachlorobenzene	118-74-1	1,300	19	99	5
10726	Hexachlorobutadiene	87-68-3	1,300	97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U 970	2,900	5
10726	Hexachloroethane	67-72-1	1,000	190	970	5
10726	Hexachloropropene	1888-71-7	580	U 580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5,200	19	99	5
10726	Isodrin	465-73-6	1,400	97	190	5
10726	Isophorone	78-59-1	1,300	97	190	5
10726	Isosafrole	120-58-1	1,400	390	970	5
10726	Methapyrilene	91-80-5	9,700	U 9,700	29,000	5
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	570	J 190	970	5
10726	3-Methylcholanthrene	56-49-5	2,000	97	190	5
10726	2-Methylnaphthalene	91-57-6	1,600	19	99	5
10726	2-Methylphenol	95-48-7	1,500	97	190	5
10726	4-Methylphenol	106-44-5	1,400	97	190	5
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,800	19	99	5
10726	1,4-Napthoquinone	130-15-4	4,900	U 4,900	19,000	5
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	1,200	J 970	2,900	5
10726	2-Naphthylamine	91-59-8	1,000	J 970	2,900	5
10726	2-Nitroaniline	88-74-4	1,400	97	190	5
10726	3-Nitroaniline	99-09-2	1,100	390	970	5
10726	4-Nitroaniline	100-01-6	1,300	390	970	5
10726	Nitrobenzene	98-95-3	1,300	97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U 970	2,900	5
10726	2-Nitrophenol	88-75-5	1,300	97	190	5
10726	4-Nitrophenol	100-02-7	1,300	J 970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U 1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	1,300	97	190	5
10726	N-Nitrosodimethylamine	62-75-9	1,200	390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	1,000	390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	1,400	97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	1,400	97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,300	390	970	5
10726	N-Nitrosomorpholine	59-89-2	1,400	390	970	5
10726	N-Nitrosopiperidine	100-75-4	1,300	97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	1,400	97	190	5
10726	Di-n-octylphthalate	117-84-0	1,500	390	970	5
10726	Pentachlorobenzene	608-93-5	1,300	97	190	5
10726	Pentachloronitrobenzene	82-68-8	1,300	390	970	5
10726	Pentachlorophenol	87-86-5	1,100	190	990	5
10726	Phenacetin	62-44-2	1,300	390	970	5
10726	Phenanthrene	85-01-8	9,700	19	99	5
10726	Phenol	108-95-2	1,400	97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U 68,000	190,000	5
10726	2-Picoline	109-06-8	1,200	J 580	1,900	5
10726	Pronamide	23950-58-5	1,400	190	970	5
10726	Pyrene	129-00-0	11,000	19	99	5
10726	Pyridine	110-86-1	1,300	390	970	5
10726	Safrole	94-59-7	1,300	390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,300	97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,200	390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,200	390	970	5
10726	Thionazin	297-97-2	1,400	390	970	5
10726	o-Toluidine	95-53-4	1,200	U 1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	1,300	97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	1,400	97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	1,300	97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,300	390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	1,200	J 970	2,900	5
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	270	4.2	20	1
10736	PCB-1221	11104-28-2	5.3	U 5.3	20	1
10736	PCB-1232	11141-16-5	9.2	U 9.2	20	1
10736	PCB-1242	53469-21-9	3.8	U 3.8	20	1
10736	PCB-1248	12672-29-6	3.8	U 3.8	20	1
10736	PCB-1254	11097-69-1	270	3.8	20	1
10736	PCB-1260	11096-82-5	180	5.6	20	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	170	5.8	12	1
12925	Ethylene glycol	107-21-1	220	5.8	12	1
12925	Propylene glycol	57-55-6	220	5.8	12	1
12925	Triethylene glycol	112-27-6	130	5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	283	0.0378	1.15	1
06947	Beryllium	7440-41-7	7.00	0.0767	1.15	1
06949	Cadmium	7440-43-9	5.85	0.0378	1.15	1
06951	Chromium	7440-47-3	34.0	0.126	3.44	1
06952	Cobalt	7440-48-4	58.2	0.110	1.15	1
06953	Copper	7440-50-8	49.6	0.378	2.29	1
06961	Nickel	7440-02-0	65.0	0.172	2.29	1
06966	Silver	7440-22-4	36.2	0.218	1.15	1
06969	Tin	7440-31-5	430	0.492	22.9	1
06971	Vanadium	7440-62-2	75.4	0.104	1.15	1
06972	Zinc	7440-66-6	208	1.49	22.9	5
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.94	0.0967	0.458	2
06125	Arsenic	7440-38-2	5.74	0.0978	0.916	2
06135	Lead	7439-92-1	26.1	0.0147	0.458	2
06141	Selenium	7782-49-2	3.24	0.115	0.916	2
06145	Thallium	7440-28-0	0.876	0.0344	0.229	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.229 J	0.0116	0.232	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	14.4	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 13:45	Chelsea B Stong	0.93
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 14:30	Chelsea B Stong	0.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 00:46	Catherine E Bachman	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MSD Soil
SOIL 2014

LL Sample # SW 7700507
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 16:43	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 02:44	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:08	Joanne M Gates	1
06972	Zinc	SW-846 6010C	2	143430637001	12/12/2014 17:05	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:32	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:32	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:32	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:32	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:32	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:41	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Dupl Soil
SOIL 2014

LL Sample # SW 7700508
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	53.4	0.0382	1.16	1
06947	Beryllium	7440-41-7	1.17	0.0775	1.16	1
06949	Cadmium	7440-43-9	0.371 J	0.0382	1.16	1
06951	Chromium	7440-47-3	19.7	0.127	3.47	1
06952	Cobalt	7440-48-4	4.02	0.111	1.16	1
06953	Copper	7440-50-8	37.3	0.382	2.31	1
06961	Nickel	7440-02-0	13.6	0.173	2.31	1
06966	Silver	7440-22-4	34.3	0.220	1.16	1
06969	Tin	7440-31-5	7.14 J	0.497	23.1	1
06971	Vanadium	7440-62-2	19.3	0.105	1.16	1
06972	Zinc	7440-66-6	181	1.50	23.1	5
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.44	0.0976	0.463	2
06125	Arsenic	7440-38-2	5.33	0.0988	0.925	2
06135	Lead	7439-92-1	30.7	0.0371	1.16	5
06141	Selenium	7782-49-2	0.629 J	0.116	0.925	2
06145	Thallium	7440-28-0	0.435	0.0347	0.231	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0452 J	0.0112	0.225	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	14.4	0.50	0.50	1
00121	Moisture Duplicate	n.a.	14.5	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:00	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Dupl Soil
SOIL 2014

LL Sample # SW 7700508
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	11:00	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	11:00	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014	16:58	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	07:27	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	07:27	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/12/2014	04:19	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	07:27	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	07:27	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	06:37	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1
00121	Moisture Duplicate	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	39	8	23	1
10237	Acetonitrile	75-05-8	29	U	120	1
10237	Acrolein	107-02-8	23	U	120	1
10237	Acrylonitrile	107-13-1	5	U	23	1
10237	Allyl Chloride	107-05-1	1	U	6	1
10237	Benzene	71-43-2	0.6	U	6	1
10237	Bromodichloromethane	75-27-4	1	U	6	1
10237	Bromoform	75-25-2	1	U	6	1
10237	Bromomethane	74-83-9	2	U	6	1
10237	2-Butanone	78-93-3	5	U	12	1
10237	Carbon Disulfide	75-15-0	1	U	6	1
10237	Carbon Tetrachloride	56-23-5	1	U	6	1
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	1
10237	Chlorobenzene	108-90-7	1	U	6	1
10237	Chloroethane	75-00-3	2	U	6	1
10237	Chloroform	67-66-3	1	U	6	1
10237	Chloromethane	74-87-3	2	U	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	1
10237	Dibromochloromethane	124-48-1	1	U	6	1
10237	1,2-Dibromoethane	106-93-4	1	U	6	1
10237	Dibromomethane	74-95-3	1	U	6	1
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	58	1
10237	Dichlorodifluoromethane	75-71-8	2	U	6	1
10237	1,1-Dichloroethane	75-34-3	1	U	6	1
10237	1,2-Dichloroethane	107-06-2	1	U	6	1
10237	1,1-Dichloroethene	75-35-4	1	U	6	1
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	1
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	1
10237	1,2-Dichloropropane	78-87-5	1	U	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	1
10237	Ethyl Methacrylate	97-63-2	1	U	6	1
10237	Ethylbenzene	100-41-4	1	U	6	1
10237	2-Hexanone	591-78-6	3	U	12	1
10237	Isobutyl Alcohol	78-83-1	120	U	290	1
10237	Methacrylonitrile	126-98-7	6	U	58	1
10237	Methyl Iodide	74-88-4	3	U	6	1
10237	Methyl Methacrylate	80-62-6	1	U	6	1
10237	4-Methyl-2-pentanone	108-10-1	3	U	12	1
10237	Methylene Chloride	75-09-2	2	U	6	1
10237	Pentachloroethane	76-01-7	1	U	6	1
10237	Propionitrile	107-12-0	35	U	120	1
10237	Styrene	100-42-5	1	U	6	1
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	1
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	6	1
10237	Tetrachloroethene	127-18-4	1	U	6	1
10237	Toluene	108-88-3	1	U	6	1
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	1
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	1
10237	Trichloroethene	79-01-6	1	U	6	1
10237	Trichlorofluoromethane	75-69-4	2	U	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1
10237	Vinyl Acetate	108-05-4	2 U	2	12	1
10237	Vinyl Chloride	75-01-4	1 U	1	6	1
10237	Xylene (Total)	1330-20-7	1 U	1	6	1
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4,900	19	99	5
10726	Acenaphthylene	208-96-8	1,100	19	99	5
10726	Acetophenone	98-86-2	97	U 97	190	5
10726	2-Acetylaminofluorene	53-96-3	390	U 390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U 970	2,900	5
10726	Aniline	62-53-3	970	U 970	2,900	5
10726	Anthracene	120-12-7	12,000	19	99	5
10726	Benzo(a)anthracene	56-55-3	32,000	78	400	20
10726	Benzo(a)pyrene	50-32-8	18,000	19	99	5
10726	Benzo(b)fluoranthene	205-99-2	32,000	78	400	20
10726	Benzo(g,h,i)perylene	191-24-2	11,000	19	99	5
10726	Benzo(k)fluoranthene	207-08-9	9,500	19	99	5
10726	Benzyl alcohol	100-51-6	970	U 970	2,900	5
10726	1,1'-Biphenyl	92-52-4	980	97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	97	U 97	190	5
10726	Butylbenzylphthalate	85-68-7	390	U 390	970	5
10726	Di-n-butylphthalate	84-74-2	390	U 390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	97	U 97	190	5
10726	4-Chloroaniline	106-47-8	97	U 97	190	5
10726	Chlorobenzilate	510-15-6	190	U 190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	97	U 97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	97	U 97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	97	U 97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	41	U 41	190	5
10726	2-Chlorophenol	95-57-8	97	U 97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	97	U 97	190	5
10726	Chrysene	218-01-9	20,000	19	99	5
10726	Diallate TRANS/CIS	2303-16-4	190	U 190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	3,500	19	99	5
10726	Dibenzofuran	132-64-9	4,600	97	190	5
10726	1,2-Dichlorobenzene	95-50-1	97	U 97	190	5
10726	1,3-Dichlorobenzene	541-73-1	97	U 97	190	5
10726	1,4-Dichlorobenzene	106-46-7	97	U 97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	580	U 580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	97	U 97	190	5
10726	2,6-Dichlorophenol	87-65-0	97	U 97	190	5
10726	Diethylphthalate	84-66-2	390	U 390	970	5
10726	Dimethoate	60-51-5	970	U 970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	390	U 390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	97	U 97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U 2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	150	J 97	190	5
10726	Dimethylphthalate	131-11-3	390	U 390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U 970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	390	U 390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,700	U 1,700	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	390	U 390	970	5
10726	2,6-Dinitrotoluene	606-20-2	97	U 97	190	5
10726	1,4-Dioxane	123-91-1	580	U 580	1,900	5
10726	Diphenyl ether	101-84-8	410	97	190	5
10726	Ethyl methanesulfonate	62-50-0	390	U 390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	390	U 390	990	5
10726	Fluoranthene	206-44-0	71,000	78	400	20
10726	Fluorene	86-73-7	8,600	19	99	5
10726	Hexachlorobenzene	118-74-1	19	U 19	99	5
10726	Hexachlorobutadiene	87-68-3	97	U 97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U 970	2,900	5
10726	Hexachloroethane	67-72-1	190	U 190	970	5
10726	Hexachloropropene	1888-71-7	580	U 580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	11,000	19	99	5
10726	Isodrin	465-73-6	97	U 97	190	5
10726	Isophorone	78-59-1	97	U 97	190	5
10726	Isosafrole	120-58-1	390	U 390	970	5
10726	Methapyrilene	91-80-5	9,700	U 9,700	29,000	5
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	190	U 190	970	5
10726	3-Methylcholanthrene	56-49-5	320	97	190	5
10726	2-Methylnaphthalene	91-57-6	3,200	19	99	5
10726	2-Methylphenol	95-48-7	97	U 97	190	5
10726	4-Methylphenol	106-44-5	310	97	190	5
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	7,300	19	99	5
10726	1,4-Napthoquinone	130-15-4	4,900	U 4,900	19,000	5
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	970	U 970	2,900	5
10726	2-Naphthylamine	91-59-8	970	U 970	2,900	5
10726	2-Nitroaniline	88-74-4	97	U 97	190	5
10726	3-Nitroaniline	99-09-2	390	U 390	970	5
10726	4-Nitroaniline	100-01-6	390	U 390	970	5
10726	Nitrobenzene	98-95-3	97	U 97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U 970	2,900	5
10726	2-Nitrophenol	88-75-5	97	U 97	190	5
10726	4-Nitrophenol	100-02-7	970	U 970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U 1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	97	U 97	190	5
10726	N-Nitrosodimethylamine	62-75-9	390	U 390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	390	U 390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	97	U 97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	97	U 97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	390	U 390	970	5
10726	N-Nitrosomorpholine	59-89-2	390	U 390	970	5
10726	N-Nitrosopiperidine	100-75-4	97	U 97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	97	U 97	190	5
10726	Di-n-octylphthalate	117-84-0	390	U 390	970	5
10726	Pentachlorobenzene	608-93-5	97	U 97	190	5
10726	Pentachloronitrobenzene	82-68-8	390	U 390	970	5
10726	Pentachlorophenol	87-86-5	190	U 190	990	5
10726	Phenacetin	62-44-2	390	U 390	970	5
10726	Phenanthrene	85-01-8	56,000	78	400	20
10726	Phenol	108-95-2	97	U 97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U 68,000	190,000	5
10726	2-Picoline	109-06-8	580	U 580	1,900	5
10726	Pronamide	23950-58-5	190	U 190	970	5
10726	Pyrene	129-00-0	48,000	78	400	20
10726	Pyridine	110-86-1	390	U 390	970	5
10726	Safrole	94-59-7	390	U 390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	97	U 97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	390	U 390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	390	U 390	970	5
10726	Thionazin	297-97-2	390	U 390	970	5
10726	o-Toluidine	95-53-4	1,200	U 1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	97	U 97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	97	U 97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	97	U 97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	390	U 390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	970	U 970	2,900	5
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	21	U 21	99	5
10736	PCB-1221	11104-28-2	27	U 27	99	5
10736	PCB-1232	11141-16-5	47	U 47	99	5
10736	PCB-1242	53469-21-9	19	U 19	99	5
10736	PCB-1248	12672-29-6	19	U 19	99	5
10736	PCB-1254	11097-69-1	190	U 19	99	5
10736	PCB-1260	11096-82-5	29	U 29	99	5
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASSD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	55.7	0.0367	1.11	1
06947	Beryllium	7440-41-7	1.26	0.0745	1.11	1
06949	Cadmium	7440-43-9	0.302 J	0.0367	1.11	1
06951	Chromium	7440-47-3	11.8	0.122	3.34	1
06952	Cobalt	7440-48-4	3.24	0.107	1.11	1
06953	Copper	7440-50-8	13.8	0.367	2.23	1
06961	Nickel	7440-02-0	8.26	0.167	2.23	1
06966	Silver	7440-22-4	34.5	0.211	1.11	1
06969	Tin	7440-31-5	3.71 J	0.478	22.3	1
06971	Vanadium	7440-62-2	19.4	0.101	1.11	1
06972	Zinc	7440-66-6	182	1.45	22.3	5
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.619	0.0939	0.445	2
06125	Arsenic	7440-38-2	2.84	0.0950	0.890	2
06135	Lead	7439-92-1	16.6	0.0143	0.445	2
06141	Selenium	7782-49-2	0.501 J	0.111	0.890	2
06145	Thallium	7440-28-0	0.320	0.0334	0.223	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0491 J	0.0113	0.227	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 14:53	Chelsea B Stong	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 01:34	Catherine E Bachman	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2-D Soil
SOIL 2014

LL Sample # SW 7700509
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASSD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 10:08	Linda M Hartenstine	20
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 16:54	Jessica L Miller	5
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 01:15	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143460637002	12/16/2014 03:48	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143460637002	12/17/2014 10:36	Eric L Eby	5
06124	Antimony	SW-846 6020A	1	143460637002A	12/16/2014 08:39	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143460637002A	12/16/2014 08:39	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143460637002A	12/16/2014 08:39	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143460637002B	12/16/2014 08:39	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143460637002A	12/16/2014 08:39	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143460638001	12/16/2014 08:26	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143460637002	12/15/2014 07:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143460638001	12/15/2014 12:10	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	26	8	24	1.03
10237	Acetonitrile	75-05-8	30 U	30	120	1.03
10237	Acrolein	107-02-8	24 U	24	120	1.03
10237	Acrylonitrile	107-13-1	5 U	5	24	1.03
10237	Allyl Chloride	107-05-1	1 U	1	6	1.03
10237	Benzene	71-43-2	0.6 U	0.6	6	1.03
10237	Bromodichloromethane	75-27-4	1 U	1	6	1.03
10237	Bromoform	75-25-2	1 U	1	6	1.03
10237	Bromomethane	74-83-9	2 U	2	6	1.03
10237	2-Butanone	78-93-3	5 U	5	12	1.03
10237	Carbon Disulfide	75-15-0	1 J	1	6	1.03
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.03
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	6	1.03
10237	Chlorobenzene	108-90-7	1 U	1	6	1.03
10237	Chloroethane	75-00-3	2 U	2	6	1.03
10237	Chloroform	67-66-3	1 U	1	6	1.03
10237	Chloromethane	74-87-3	2 U	2	6	1.03
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	6	1.03
10237	Dibromochloromethane	124-48-1	1 U	1	6	1.03
10237	1,2-Dibromoethane	106-93-4	1 U	1	6	1.03
10237	Dibromomethane	74-95-3	1 U	1	6	1.03
10237	trans-1,4-Dichloro-2-butene	110-57-6	12 U	12	59	1.03
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.03
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.03
10237	1,2-Dichloroethane	107-06-2	1 U	1	6	1.03
10237	1,1-Dichloroethene	75-35-4	1 U	1	6	1.03
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.03
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.03
10237	1,2-Dichloropropane	78-87-5	1 U	1	6	1.03
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	6	1.03
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	6	1.03
10237	Ethyl Methacrylate	97-63-2	1 U	1	6	1.03
10237	Ethylbenzene	100-41-4	1 U	1	6	1.03
10237	2-Hexanone	591-78-6	4 U	4	12	1.03
10237	Isobutyl Alcohol	78-83-1	120 U	120	300	1.03
10237	Methacrylonitrile	126-98-7	6 U	6	59	1.03
10237	Methyl Iodide	74-88-4	4 U	4	6	1.03
10237	Methyl Methacrylate	80-62-6	1 U	1	6	1.03
10237	4-Methyl-2-pentanone	108-10-1	4 U	4	12	1.03
10237	Methylene Chloride	75-09-2	2 U	2	6	1.03
10237	Pentachloroethane	76-01-7	1 U	1	6	1.03
10237	Propionitrile	107-12-0	36 U	36	120	1.03
10237	Styrene	100-42-5	1 U	1	6	1.03
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	6	1.03
10237	1,1,1,2-Tetrachloroethane	79-34-5	1 U	1	6	1.03
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.03
10237	Toluene	108-88-3	1 U	1	6	1.03
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.03
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	6	1.03
10237	Trichloroethene	79-01-6	1 U	1	6	1.03
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1.03

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.03
10237	Vinyl Acetate	108-05-4	2 U	2	12	1.03
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.03
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.03
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	38	4	19	1
10726	Acenaphthylene	208-96-8	12 J	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	110	4	19	1
10726	Benzo(a)anthracene	56-55-3	420	4	19	1
10726	Benzo(a)pyrene	50-32-8	390	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	530	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	300	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	220	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	390	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	60	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	57	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	780	U 4	19	1
10726	Fluorene	86-73-7	39	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	250	U 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	5	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	7	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	420	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	650	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	4.1	U 4.1	19	1
10736	PCB-1221	11104-28-2	5.3	U 5.3	19	1
10736	PCB-1232	11141-16-5	9.1	U 9.1	19	1
10736	PCB-1242	53469-21-9	3.8	U 3.8	19	1
10736	PCB-1248	12672-29-6	3.8	U 3.8	19	1
10736	PCB-1254	11097-69-1	12	J 3.8	19	1
10736	PCB-1260	11096-82-5	5.6	U 5.6	19	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	107	0.0360	1.09	1
06947	Beryllium	7440-41-7	1.00 J	0.0732	1.09	1
06949	Cadmium	7440-43-9	0.252 J	0.0360	1.09	1
06951	Chromium	7440-47-3	9.71	0.120	3.28	1
06952	Cobalt	7440-48-4	4.04	0.105	1.09	1
06953	Copper	7440-50-8	18.8	0.360	2.18	1
06961	Nickel	7440-02-0	9.65	0.164	2.18	1
06966	Silver	7440-22-4	5.47	0.208	1.09	1
06969	Tin	7440-31-5	3.43 J	0.470	21.8	1
06971	Vanadium	7440-62-2	28.1	0.0994	1.09	1
06972	Zinc	7440-66-6	101	0.284	4.37	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.52	0.0922	0.437	2
06125	Arsenic	7440-38-2	5.48	0.0933	0.874	2
06135	Lead	7439-92-1	15.0	0.0140	0.437	2
06141	Selenium	7782-49-2	0.715 J	0.109	0.874	2
06145	Thallium	7440-28-0	0.488	0.0328	0.218	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0239 J	0.0108	0.216	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	12.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 15:16	Chelsea B Stong	1.03
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 10:33	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 10:33	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 10:33	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 01:58	Catherine E Bachman	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-3 Soil
SOIL 2014

LL Sample # SW 7700510
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 10:33 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 17:06	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 00:33	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:45	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:55	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:55	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:55	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:55	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:55	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:59	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	28	7	21	0.91
10237	Acetonitrile	75-05-8	27	U	110	0.91
10237	Acrolein	107-02-8	21	U	21	0.91
10237	Acrylonitrile	107-13-1	4	U	4	0.91
10237	Allyl Chloride	107-05-1	1	U	1	0.91
10237	Benzene	71-43-2	0.5	U	0.5	0.91
10237	Bromodichloromethane	75-27-4	1	U	1	0.91
10237	Bromoform	75-25-2	1	U	1	0.91
10237	Bromomethane	74-83-9	2	U	2	0.91
10237	2-Butanone	78-93-3	4	U	4	0.91
10237	Carbon Disulfide	75-15-0	1	U	1	0.91
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.91
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.91
10237	Chlorobenzene	108-90-7	1	U	1	0.91
10237	Chloroethane	75-00-3	2	U	2	0.91
10237	Chloroform	67-66-3	1	U	1	0.91
10237	Chloromethane	74-87-3	2	U	2	0.91
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.91
10237	Dibromochloromethane	124-48-1	1	U	1	0.91
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.91
10237	Dibromomethane	74-95-3	1	U	1	0.91
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	0.91
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.91
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.91
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.91
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.91
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.91
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.91
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.91
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.91
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.91
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.91
10237	Ethylbenzene	100-41-4	1	U	1	0.91
10237	2-Hexanone	591-78-6	3	U	3	0.91
10237	Isobutyl Alcohol	78-83-1	110	U	110	0.91
10237	Methacrylonitrile	126-98-7	5	U	5	0.91
10237	Methyl Iodide	74-88-4	3	U	3	0.91
10237	Methyl Methacrylate	80-62-6	1	U	1	0.91
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.91
10237	Methylene Chloride	75-09-2	2	U	2	0.91
10237	Pentachloroethane	76-01-7	1	U	1	0.91
10237	Propionitrile	107-12-0	32	U	32	0.91
10237	Styrene	100-42-5	1	U	1	0.91
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.91
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.91
10237	Tetrachloroethene	127-18-4	1	U	1	0.91
10237	Toluene	108-88-3	1	U	1	0.91
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.91
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.91
10237	Trichloroethene	79-01-6	1	U	1	0.91
10237	Trichlorofluoromethane	75-69-4	2	J	2	0.91

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.91
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.91
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.91
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.91
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4,000	20	100	5
10726	Acenaphthylene	208-96-8	370	20	100	5
10726	Acetophenone	98-86-2	98	U 98	200	5
10726	2-Acetylaminofluorene	53-96-3	390	U 390	980	5
10726	4-Aminobiphenyl	92-67-1	980	U 980	2,900	5
10726	Aniline	62-53-3	980	U 980	2,900	5
10726	Anthracene	120-12-7	8,800	20	100	5
10726	Benzo(a)anthracene	56-55-3	19,000	20	100	5
10726	Benzo(a)pyrene	50-32-8	14,000	20	100	5
10726	Benzo(b)fluoranthene	205-99-2	20,000	20	100	5
10726	Benzo(g,h,i)perylene	191-24-2	7,900	20	100	5
10726	Benzo(k)fluoranthene	207-08-9	6,400	20	100	5
10726	Benzyl alcohol	100-51-6	980	U 980	2,900	5
10726	1,1'-Biphenyl	92-52-4	330	98	200	5
10726	4-Bromophenyl-phenylether	101-55-3	98	U 98	200	5
10726	Butylbenzylphthalate	85-68-7	390	U 390	980	5
10726	Di-n-butylphthalate	84-74-2	390	U 390	980	5
10726	4-Chloro-3-methylphenol	59-50-7	98	U 98	200	5
10726	4-Chloroaniline	106-47-8	98	U 98	200	5
10726	Chlorobenzilate	510-15-6	200	U 200	980	5
10726	bis(2-Chloroethoxy)methane	111-91-1	98	U 98	200	5
10726	bis(2-Chloroethyl)ether	111-44-4	98	U 98	200	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	98	U 98	200	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	41	U 41	190	5
10726	2-Chlorophenol	95-57-8	98	U 98	200	5
10726	4-Chlorophenyl-phenylether	7005-72-3	98	U 98	200	5
10726	Chrysene	218-01-9	17,000	20	100	5
10726	Diallate TRANS/CIS	2303-16-4	200	U 200	980	5
10726	Dibenz(a,h)anthracene	53-70-3	3,000	20	100	5
10726	Dibenzofuran	132-64-9	2,200	98	200	5
10726	1,2-Dichlorobenzene	95-50-1	98	U 98	200	5
10726	1,3-Dichlorobenzene	541-73-1	98	U 98	200	5
10726	1,4-Dichlorobenzene	106-46-7	98	U 98	200	5
10726	3,3'-Dichlorobenzidine	91-94-1	590	U 590	2,000	5
10726	2,4-Dichlorophenol	120-83-2	98	U 98	200	5
10726	2,6-Dichlorophenol	87-65-0	98	U 98	200	5
10726	Diethylphthalate	84-66-2	390	U 390	980	5
10726	Dimethoate	60-51-5	980	U 980	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	390	U 390	980	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	98	U 98	200	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U 2,900	5,900	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	98	U 98	200	5
10726	Dimethylphthalate	131-11-3	390	U 390	980	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	980	U 980	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	390	U 390	980	5
10726	2,4-Dinitrophenol	51-28-5	1,800	U 1,800	5,900	5
10726	2,4-Dinitrotoluene	121-14-2	390	U 390	980	5
10726	2,6-Dinitrotoluene	606-20-2	98	U 98	200	5
10726	1,4-Dioxane	123-91-1	590	U 590	2,000	5
10726	Diphenyl ether	101-84-8	300	98	200	5
10726	Ethyl methanesulfonate	62-50-0	390	U 390	980	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	390	U 390	1,000	5
10726	Fluoranthene	206-44-0	48,000	78	400	20
10726	Fluorene	86-73-7	4,400	20	100	5
10726	Hexachlorobenzene	118-74-1	20	U 20	100	5
10726	Hexachlorobutadiene	87-68-3	98	U 98	200	5
10726	Hexachlorocyclopentadiene	77-47-4	980	U 980	2,900	5
10726	Hexachloroethane	67-72-1	200	U 200	980	5
10726	Hexachloropropene	1888-71-7	590	U 590	2,000	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	8,100	20	100	5
10726	Isodrin	465-73-6	98	U 98	200	5
10726	Isophorone	78-59-1	98	U 98	200	5
10726	Isosafrole	120-58-1	390	U 390	980	5
10726	Methapyrilene	91-80-5	9,800	U 9,800	29,000	5
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	200	U 200	980	5
10726	3-Methylcholanthrene	56-49-5	320	98	200	5
10726	2-Methylnaphthalene	91-57-6	750	20	100	5
10726	2-Methylphenol	95-48-7	98	U 98	200	5
10726	4-Methylphenol	106-44-5	98	U 98	200	5
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	1,200	20	100	5
10726	1,4-Naphthoquinone	130-15-4	4,900	U 4,900	20,000	5
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	980	U 980	2,900	5
10726	2-Naphthylamine	91-59-8	980	U 980	2,900	5
10726	2-Nitroaniline	88-74-4	98	U 98	200	5
10726	3-Nitroaniline	99-09-2	390	U 390	980	5
10726	4-Nitroaniline	100-01-6	390	U 390	980	5
10726	Nitrobenzene	98-95-3	98	U 98	200	5
10726	5-Nitro-o-toluidine	99-55-8	980	U 980	2,900	5
10726	2-Nitrophenol	88-75-5	98	U 98	200	5
10726	4-Nitrophenol	100-02-7	980	U 980	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	2,000	U 2,000	5,900	5
10726	N-Nitrosodiethylamine	55-18-5	98	U 98	200	5
10726	N-Nitrosodimethylamine	62-75-9	390	U 390	980	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	390	U 390	980	5
10726	N-Nitroso-di-n-propylamine	621-64-7	98	U 98	200	5
10726	N-Nitrosodiphenylamine	86-30-6	98	U 98	200	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	390	U 390	980	5
10726	N-Nitrosomorpholine	59-89-2	390	U 390	980	5
10726	N-Nitrosopiperidine	100-75-4	98	U 98	200	5
10726	N-Nitrosopyrrolidine	930-55-2	98	U 98	200	5
10726	Di-n-octylphthalate	117-84-0	390	U 390	980	5
10726	Pentachlorobenzene	608-93-5	98	U 98	200	5
10726	Pentachloronitrobenzene	82-68-8	390	U 390	980	5
10726	Pentachlorophenol	87-86-5	200	U 200	1,000	5
10726	Phenacetin	62-44-2	390	U 390	980	5
10726	Phenanthrene	85-01-8	36,000	78	400	20
10726	Phenol	108-95-2	98	U 98	200	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U 68,000	200,000	5
10726	2-Picoline	109-06-8	590	U 590	2,000	5
10726	Pronamide	23950-58-5	200	U 200	980	5
10726	Pyrene	129-00-0	23,000	20	100	5
10726	Pyridine	110-86-1	390	U 390	980	5
10726	Safrole	94-59-7	390	U 390	980	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	98	U 98	200	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	390	U 390	980	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	390	U 390	980	5
10726	Thionazin	297-97-2	390	U 390	980	5
10726	o-Toluidine	95-53-4	1,200	U 1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	98	U 98	200	5
10726	2,4,5-Trichlorophenol	95-95-4	98	U 98	200	5
10726	2,4,6-Trichlorophenol	88-06-2	98	U 98	200	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	390	U 390	980	5
10726	1,3,5-Trinitrobenzene	99-35-4	980	U 980	2,900	5
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	4.2	U 4.2	20	1
10736	PCB-1221	11104-28-2	5.4	U 5.4	20	1
10736	PCB-1232	11141-16-5	9.4	U 9.4	20	1
10736	PCB-1242	53469-21-9	3.9	U 3.9	20	1
10736	PCB-1248	12672-29-6	3.9	U 3.9	20	1
10736	PCB-1254	11097-69-1	82	3.9	20	1
10736	PCB-1260	11096-82-5	22	5.8	20	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	49.9	0.0379	1.15	1
06947	Beryllium	7440-41-7	1.26	0.0769	1.15	1
06949	Cadmium	7440-43-9	0.483 J	0.0379	1.15	1
06951	Chromium	7440-47-3	8.28	0.126	3.44	1
06952	Cobalt	7440-48-4	3.06	0.110	1.15	1
06953	Copper	7440-50-8	9.88	0.379	2.30	1
06961	Nickel	7440-02-0	5.66	0.172	2.30	1
06966	Silver	7440-22-4	21.7	0.218	1.15	1
06969	Tin	7440-31-5	3.52 J	0.493	23.0	1
06971	Vanadium	7440-62-2	20.5	0.104	1.15	1
06972	Zinc	7440-66-6	112	0.597	9.18	2
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.491	0.0969	0.459	2
06125	Arsenic	7440-38-2	3.10	0.0980	0.918	2
06135	Lead	7439-92-1	16.4	0.0147	0.459	2
06141	Selenium	7782-49-2	0.594 J	0.115	0.918	2
06145	Thallium	7440-28-0	0.372	0.0344	0.230	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0600 J	0.0110	0.219	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143441AA	12/11/2014 03:56	Christopher G Torres	0.91
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 15:44	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 15:44	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 15:44	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-4 Soil
SOIL 2014

LL Sample # SW 7700511
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 15:44 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 02:22	Catherine E Bachman	5
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 10:32	Linda M Hartenstine	20
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 17:17	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 01:30	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:49	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014 17:16	Katlin N Cataldi	2
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:58	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:58	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:58	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:58	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:58	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:01	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	26	9	25	1.07
10237	Acetonitrile	75-05-8	31 U	31	120	1.07
10237	Acrolein	107-02-8	25 U	25	120	1.07
10237	Acrylonitrile	107-13-1	5 U	5	25	1.07
10237	Allyl Chloride	107-05-1	1 U	1	6	1.07
10237	Benzene	71-43-2	0.6 U	0.6	6	1.07
10237	Bromodichloromethane	75-27-4	1 U	1	6	1.07
10237	Bromoform	75-25-2	1 U	1	6	1.07
10237	Bromomethane	74-83-9	2 U	2	6	1.07
10237	2-Butanone	78-93-3	5 U	5	12	1.07
10237	Carbon Disulfide	75-15-0	4 J	1	6	1.07
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.07
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	6	1.07
10237	Chlorobenzene	108-90-7	1 U	1	6	1.07
10237	Chloroethane	75-00-3	2 U	2	6	1.07
10237	Chloroform	67-66-3	1 U	1	6	1.07
10237	Chloromethane	74-87-3	2 U	2	6	1.07
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	6	1.07
10237	Dibromochloromethane	124-48-1	1 U	1	6	1.07
10237	1,2-Dibromoethane	106-93-4	1 U	1	6	1.07
10237	Dibromomethane	74-95-3	1 U	1	6	1.07
10237	trans-1,4-Dichloro-2-butene	110-57-6	12 U	12	62	1.07
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.07
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.07
10237	1,2-Dichloroethane	107-06-2	1 U	1	6	1.07
10237	1,1-Dichloroethene	75-35-4	1 U	1	6	1.07
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.07
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.07
10237	1,2-Dichloropropane	78-87-5	1 U	1	6	1.07
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	6	1.07
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	6	1.07
10237	Ethyl Methacrylate	97-63-2	1 U	1	6	1.07
10237	Ethylbenzene	100-41-4	1 U	1	6	1.07
10237	2-Hexanone	591-78-6	4 U	4	12	1.07
10237	Isobutyl Alcohol	78-83-1	120 U	120	310	1.07
10237	Methacrylonitrile	126-98-7	6 U	6	62	1.07
10237	Methyl Iodide	74-88-4	4 U	4	6	1.07
10237	Methyl Methacrylate	80-62-6	1 U	1	6	1.07
10237	4-Methyl-2-pentanone	108-10-1	4 U	4	12	1.07
10237	Methylene Chloride	75-09-2	2 U	2	6	1.07
10237	Pentachloroethane	76-01-7	1 U	1	6	1.07
10237	Propionitrile	107-12-0	37 U	37	120	1.07
10237	Styrene	100-42-5	1 U	1	6	1.07
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	6	1.07
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	6	1.07
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.07
10237	Toluene	108-88-3	1 U	1	6	1.07
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.07
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	6	1.07
10237	Trichloroethene	79-01-6	1 U	1	6	1.07
10237	Trichlorofluoromethane	75-69-4	3 J	2	6	1.07

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.07
10237	Vinyl Acetate	108-05-4	2 U	2	12	1.07
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.07
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.07

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	600	4	20	1
10726	Acenaphthylene	208-96-8	93	4	20	1
10726	Acetophenone	98-86-2	35	J 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	1,500	4	20	1
10726	Benzo(a)anthracene	56-55-3	5,100	19	98	5
10726	Benzo(a)pyrene	50-32-8	4,000	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	6,300	19	98	5
10726	Benzo(g,h,i)perylene	191-24-2	2,900	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	20	1
10726	Benzyl alcohol	100-51-6	420	J 190	570	1
10726	1,1'-Biphenyl	92-52-4	880	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	160	J 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	4,400	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	840	4	20	1
10726	Dibenzofuran	132-64-9	280	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	3,800	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	480	76	200	1
10726	Fluoranthene	206-44-0	9,600	19	98	5
10726	Fluorene	86-73-7	580	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,800	4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	82	19	38	1
10726	2-Methylnaphthalene	91-57-6	86	4	20	1
10726	2-Methylphenol	95-48-7	25	J 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	200	4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	5,500	U 19	98	5
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	7,200	U 19	98	5
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	21	U 21	97	5
10736	PCB-1221	11104-28-2	26	U 26	97	5
10736	PCB-1232	11141-16-5	46	U 46	97	5
10736	PCB-1242	53469-21-9	19	U 19	97	5
10736	PCB-1248	12672-29-6	700	U 19	97	5
10736	PCB-1254	11097-69-1	430	U 19	97	5
10736	PCB-1260	11096-82-5	140	U 28	97	5
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC Miscellaneous						
	SW-846 8015C Feb 2007 Rev 3		mg/kg	mg/kg	mg/kg	
12925	Diethylene glycol	111-46-6	5.8 U	5.8	12	1
12925	Ethylene glycol	107-21-1	5.8 U	5.8	12	1
12925	Propylene glycol	57-55-6	5.8 U	5.8	12	1
12925	Triethylene glycol	112-27-6	5.8 U	5.8	12	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	68.2	0.0381	1.15	1
06947	Beryllium	7440-41-7	1.28	0.0774	1.15	1
06949	Cadmium	7440-43-9	0.747 J	0.0381	1.15	1
06951	Chromium	7440-47-3	14.2	0.127	3.46	1
06952	Cobalt	7440-48-4	3.70	0.111	1.15	1
06953	Copper	7440-50-8	30.8	0.381	2.31	1
06961	Nickel	7440-02-0	6.21	0.173	2.31	1
06966	Silver	7440-22-4	6.57	0.219	1.15	1
06969	Tin	7440-31-5	4.50 J	0.497	23.1	1
06971	Vanadium	7440-62-2	16.8	0.105	1.15	1
06972	Zinc	7440-66-6	236	1.50	23.1	5
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	5.83	0.0975	0.462	2
06125	Arsenic	7440-38-2	2.64	0.0986	0.924	2
06135	Lead	7439-92-1	34.2	0.0371	1.15	5
06141	Selenium	7782-49-2	0.424 J	0.115	0.924	2
06145	Thallium	7440-28-0	0.341	0.0346	0.231	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0541 J	0.0114	0.228	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	13.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 15:38	Chelsea B Stong	1.07

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-5 Soil
SOIL 2014

LL Sample # SW 7700512
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:04 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 11:04	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 11:04	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 11:04	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 10:56	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 16:41	Linda M Hartenstine	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 17:29	Jessica L Miller	5
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 00:48	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:53	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014 17:20	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:00	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:00	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/12/2014 04:20	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:00	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:00	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:03	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	47	7	20	0.86
10237	Acetonitrile	75-05-8	25 U	25	99	0.86
10237	Acrolein	107-02-8	20 U	20	99	0.86
10237	Acrylonitrile	107-13-1	4 U	4	20	0.86
10237	Allyl Chloride	107-05-1	1 U	1	5	0.86
10237	Benzene	71-43-2	0.5 U	0.5	5	0.86
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.86
10237	Bromoform	75-25-2	1 U	1	5	0.86
10237	Bromomethane	74-83-9	2 U	2	5	0.86
10237	2-Butanone	78-93-3	4 U	4	10	0.86
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.86
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.86
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.86
10237	Chlorobenzene	108-90-7	1 U	1	5	0.86
10237	Chloroethane	75-00-3	2 U	2	5	0.86
10237	Chloroform	67-66-3	1 U	1	5	0.86
10237	Chloromethane	74-87-3	2 U	2	5	0.86
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.86
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.86
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.86
10237	Dibromomethane	74-95-3	1 U	1	5	0.86
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.86
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.86
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.86
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.86
10237	1,1-Dichloroethene	75-35-4	1 J	1	5	0.86
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.86
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.86
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.86
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.86
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.86
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.86
10237	Ethylbenzene	100-41-4	1 U	1	5	0.86
10237	2-Hexanone	591-78-6	3 U	3	10	0.86
10237	Isobutyl Alcohol	78-83-1	99 U	99	250	0.86
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.86
10237	Methyl Iodide	74-88-4	3 U	3	5	0.86
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.86
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.86
10237	Methylene Chloride	75-09-2	2 U	2	5	0.86
10237	Pentachloroethane	76-01-7	1 U	1	5	0.86
10237	Propionitrile	107-12-0	30 U	30	99	0.86
10237	Styrene	100-42-5	1 U	1	5	0.86
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.86
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.86
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.86
10237	Toluene	108-88-3	1 U	1	5	0.86
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.86
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.86
10237	Trichloroethene	79-01-6	1 U	1	5	0.86
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.86

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.86
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.86
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.86
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.86
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	6 J	4	20	1
10726	Benzo(a)anthracene	56-55-3	28	4	20	1
10726	Benzo(a)pyrene	50-32-8	32	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	49	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	19 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	10 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	26	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	8 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	120	U 120	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	40	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	23	4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	18	J 4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	120	U 120	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	34	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	4.1	U 4.1	19	1
10736	PCB-1221	11104-28-2	5.2	U 5.2	19	1
10736	PCB-1232	11141-16-5	9.1	U 9.1	19	1
10736	PCB-1242	53469-21-9	3.8	U 3.8	19	1
10736	PCB-1248	12672-29-6	3.8	U 3.8	19	1
10736	PCB-1254	11097-69-1	3.8	U 3.8	19	1
10736	PCB-1260	11096-82-5	5.6	U 5.6	19	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	51.3	0.0373	1.13	1
06947	Beryllium	7440-41-7	1.29	0.0757	1.13	1
06949	Cadmium	7440-43-9	0.0373 U	0.0373	1.13	1
06951	Chromium	7440-47-3	4.13	0.124	3.39	1
06952	Cobalt	7440-48-4	5.07	0.108	1.13	1
06953	Copper	7440-50-8	6.22	0.373	2.26	1
06961	Nickel	7440-02-0	5.37	0.169	2.26	1
06966	Silver	7440-22-4	0.215 U	0.215	1.13	1
06969	Tin	7440-31-5	2.94 J	0.486	22.6	1
06971	Vanadium	7440-62-2	18.9	0.103	1.13	1
06972	Zinc	7440-66-6	48.7	0.294	4.52	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.148 J	0.0953	0.452	2
06125	Arsenic	7440-38-2	2.42	0.0965	0.904	2
06135	Lead	7439-92-1	11.6	0.0145	0.452	2
06141	Selenium	7782-49-2	0.691 J	0.113	0.904	2
06145	Thallium	7440-28-0	0.638	0.0339	0.226	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0137 J	0.0109	0.218	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 16:01	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 16:28	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 16:28	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 16:28	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 11:21	Linda M Hartenstine	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-6 Soil
SOIL 2014

LL Sample # SW 7700513
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 16:28 by KS

CRG-E.I.DuPont de Nemours & Co
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Submitted: 12/05/2014 22:25

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MASS6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 17:40	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 01:45	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:57	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:02	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:02	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 08:02	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:02	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:02	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:05	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	52	9	25	1.09
10237	Acetonitrile	75-05-8	32 U	32	130	1.09
10237	Acrolein	107-02-8	25 U	25	130	1.09
10237	Acrylonitrile	107-13-1	5 U	5	25	1.09
10237	Allyl Chloride	107-05-1	1 U	1	6	1.09
10237	Benzene	71-43-2	0.6 U	0.6	6	1.09
10237	Bromodichloromethane	75-27-4	1 U	1	6	1.09
10237	Bromoform	75-25-2	1 U	1	6	1.09
10237	Bromomethane	74-83-9	3 U	3	6	1.09
10237	2-Butanone	78-93-3	5 U	5	13	1.09
10237	Carbon Disulfide	75-15-0	5 J	1	6	1.09
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.09
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	6	1.09
10237	Chlorobenzene	108-90-7	1 U	1	6	1.09
10237	Chloroethane	75-00-3	3 U	3	6	1.09
10237	Chloroform	67-66-3	1 U	1	6	1.09
10237	Chloromethane	74-87-3	3 U	3	6	1.09
10237	1,2-Dibromo-3-chloropropane	96-12-8	3 U	3	6	1.09
10237	Dibromochloromethane	124-48-1	1 U	1	6	1.09
10237	1,2-Dibromoethane	106-93-4	1 U	1	6	1.09
10237	Dibromomethane	74-95-3	1 U	1	6	1.09
10237	trans-1,4-Dichloro-2-butene	110-57-6	13 U	13	63	1.09
10237	Dichlorodifluoromethane	75-71-8	3 U	3	6	1.09
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.09
10237	1,2-Dichloroethane	107-06-2	1 U	1	6	1.09
10237	1,1-Dichloroethene	75-35-4	19	1	6	1.09
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.09
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.09
10237	1,2-Dichloropropane	78-87-5	1 U	1	6	1.09
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	6	1.09
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	6	1.09
10237	Ethyl Methacrylate	97-63-2	1 U	1	6	1.09
10237	Ethylbenzene	100-41-4	1 U	1	6	1.09
10237	2-Hexanone	591-78-6	4 U	4	13	1.09
10237	Isobutyl Alcohol	78-83-1	130 U	130	320	1.09
10237	Methacrylonitrile	126-98-7	6 U	6	63	1.09
10237	Methyl Iodide	74-88-4	4 U	4	6	1.09
10237	Methyl Methacrylate	80-62-6	1 U	1	6	1.09
10237	4-Methyl-2-pentanone	108-10-1	4 U	4	13	1.09
10237	Methylene Chloride	75-09-2	3 U	3	6	1.09
10237	Pentachloroethane	76-01-7	1 U	1	6	1.09
10237	Propionitrile	107-12-0	38 U	38	130	1.09
10237	Styrene	100-42-5	1 U	1	6	1.09
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	6	1.09
10237	1,1,1,2-Tetrachloroethane	79-34-5	1 U	1	6	1.09
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.09
10237	Toluene	108-88-3	1 U	1	6	1.09
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.09
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	6	1.09
10237	Trichloroethene	79-01-6	1 U	1	6	1.09
10237	Trichlorofluoromethane	75-69-4	25	3	6	1.09

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.09
10237	Vinyl Acetate	108-05-4	3 U	3	13	1.09
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.09
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.09
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	310	4	20	1
10726	Acenaphthylene	208-96-8	200	4	20	1
10726	Acetophenone	98-86-2	26	J 19	39	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	920	4	20	1
10726	Benzo(a)anthracene	56-55-3	1,700	4	20	1
10726	Benzo(a)pyrene	50-32-8	1,500	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,000	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	950	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	730	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	35	J 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	1,500	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	280	4	20	1
10726	Dibenzofuran	132-64-9	260	19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	3,700	4	20	1
10726	Fluorene	86-73-7	530	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	930	4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	20	J 19	39	1
10726	2-Methylnaphthalene	91-57-6	95	4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	190	4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

MASS7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	3,200	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	2,800	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
Pesticides/PCBs	SW-846 8082		ug/kg	ug/kg	ug/kg	
10736	PCB-1016	12674-11-2	4.1	U 4.1	20	1
10736	PCB-1221	11104-28-2	5.3	U 5.3	20	1
10736	PCB-1232	11141-16-5	9.2	U 9.2	20	1
10736	PCB-1242	53469-21-9	3.8	U 3.8	20	1
10736	PCB-1248	12672-29-6	3.8	U 3.8	20	1
10736	PCB-1254	11097-69-1	54	3.8	20	1
10736	PCB-1260	11096-82-5	28	5.6	20	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	45.3	0.0365	1.10	1
06947	Beryllium	7440-41-7	1.29	0.0740	1.10	1
06949	Cadmium	7440-43-9	0.0994 J	0.0365	1.10	1
06951	Chromium	7440-47-3	4.50	0.122	3.31	1
06952	Cobalt	7440-48-4	3.51	0.106	1.10	1
06953	Copper	7440-50-8	21.3	0.365	2.21	1
06961	Nickel	7440-02-0	2.98	0.166	2.21	1
06966	Silver	7440-22-4	7.47	0.210	1.10	1
06969	Tin	7440-31-5	3.13 J	0.475	22.1	1
06971	Vanadium	7440-62-2	13.8	0.101	1.10	1
06972	Zinc	7440-66-6	72.6	0.287	4.42	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.171 J	0.0932	0.442	2
06125	Arsenic	7440-38-2	2.09	0.0944	0.884	2
06135	Lead	7439-92-1	12.6	0.0142	0.442	2
06141	Selenium	7782-49-2	0.534 J	0.110	0.884	2
06145	Thallium	7440-28-0	0.407	0.0331	0.221	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0350 J	0.0115	0.231	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 20:33	Chelsea B Stong	1.09
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 17:06	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 17:06	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 17:06	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 11:45	Linda M Hartenstine	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-7 Soil
SOIL 2014

LL Sample # SW 7700514
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 17:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

MASS7

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014 17:52	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014 02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 01:59	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 12:01	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:05	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:05	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 08:05	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:05	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:05	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:07	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	8	22	0.97
10237	Acetonitrile	75-05-8	28	U 28	110	0.97
10237	Acrolein	107-02-8	22	U 22	110	0.97
10237	Acrylonitrile	107-13-1	4	U 4	22	0.97
10237	Allyl Chloride	107-05-1	1	U 1	6	0.97
10237	Benzene	71-43-2	0.6	U 0.6	6	0.97
10237	Bromodichloromethane	75-27-4	1	U 1	6	0.97
10237	Bromoform	75-25-2	1	U 1	6	0.97
10237	Bromomethane	74-83-9	2	U 2	6	0.97
10237	2-Butanone	78-93-3	4	U 4	11	0.97
10237	Carbon Disulfide	75-15-0	1	U 1	6	0.97
10237	Carbon Tetrachloride	56-23-5	1	U 1	6	0.97
10237	2-Chloro-1,3-butadiene	126-99-8	1	U 1	6	0.97
10237	Chlorobenzene	108-90-7	1	U 1	6	0.97
10237	Chloroethane	75-00-3	2	U 2	6	0.97
10237	Chloroform	67-66-3	1	U 1	6	0.97
10237	Chloromethane	74-87-3	2	U 2	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U 2	6	0.97
10237	Dibromochloromethane	124-48-1	1	U 1	6	0.97
10237	1,2-Dibromoethane	106-93-4	1	U 1	6	0.97
10237	Dibromomethane	74-95-3	1	U 1	6	0.97
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U 11	56	0.97
10237	Dichlorodifluoromethane	75-71-8	2	U 2	6	0.97
10237	1,1-Dichloroethane	75-34-3	1	U 1	6	0.97
10237	1,2-Dichloroethane	107-06-2	1	U 1	6	0.97
10237	1,1-Dichloroethene	75-35-4	1	U 1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1	U 1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1	U 1	6	0.97
10237	1,2-Dichloropropane	78-87-5	1	U 1	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	1	U 1	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	1	U 1	6	0.97
10237	Ethyl Methacrylate	97-63-2	1	U 1	6	0.97
10237	Ethylbenzene	100-41-4	1	U 1	6	0.97
10237	2-Hexanone	591-78-6	3	U 3	11	0.97
10237	Isobutyl Alcohol	78-83-1	110	U 110	280	0.97
10237	Methacrylonitrile	126-98-7	6	U 6	56	0.97
10237	Methyl Iodide	74-88-4	3	U 3	6	0.97
10237	Methyl Methacrylate	80-62-6	1	U 1	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	3	U 3	11	0.97
10237	Methylene Chloride	75-09-2	2	U 2	6	0.97
10237	Pentachloroethane	76-01-7	1	U 1	6	0.97
10237	Propionitrile	107-12-0	33	U 33	110	0.97
10237	Styrene	100-42-5	1	U 1	6	0.97
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U 1	6	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U 1	6	0.97
10237	Tetrachloroethene	127-18-4	1	U 1	6	0.97
10237	Toluene	108-88-3	1	U 1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1	U 1	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	1	U 1	6	0.97
10237	Trichloroethene	79-01-6	2	J 1	6	0.97
10237	Trichlorofluoromethane	75-69-4	2	U 2	6	0.97

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.97
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.97
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.97
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.97
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	130	4	20	1
10726	Acenaphthylene	208-96-8	9 J	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	290	4	20	1
10726	Benzo(a)anthracene	56-55-3	650	4	20	1
10726	Benzo(a)pyrene	50-32-8	550	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	710	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	350	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	280	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	20 J	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	530	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	110	4	20	1
10726	Dibenzofuran	132-64-9	73	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	22	J 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	1,200	4	20	1
10726	Fluorene	86-73-7	160	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	330	4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	30	4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	78	4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	900	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	970	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	59.4	0.0381	1.15	1
06947	Beryllium	7440-41-7	1.22	0.0773	1.15	1
06949	Cadmium	7440-43-9	0.0484 J	0.0381	1.15	1
06951	Chromium	7440-47-3	6.16	0.127	3.46	1
06952	Cobalt	7440-48-4	3.74	0.111	1.15	1
06953	Copper	7440-50-8	15.4	0.381	2.31	1
06961	Nickel	7440-02-0	47.2	0.173	2.31	1
06966	Silver	7440-22-4	0.219 U	0.219	1.15	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.30 J	0.496	23.1	1
06971	Vanadium	7440-62-2	15.8	0.105	1.15	1
06972	Zinc	7440-66-6	130	0.600	9.23	2
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.598	0.0973	0.461	2
06125	Arsenic	7440-38-2	1.31	0.0985	0.923	2
06135	Lead	7439-92-1	15.9	0.0148	0.461	2
06141	Selenium	7782-49-2	0.351 J	0.115	0.923	2
06145	Thallium	7440-28-0	0.328	0.0346	0.231	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0319 J	0.0110	0.220	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 16:24	Chelsea B Stong	0.97
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/04/2014 09:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/04/2014 09:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/04/2014 09:50	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 12:10	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 01:03	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:05	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:05	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-1 Soil
SOIL 2014

LL Sample # SW 7700515
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 09:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	12:05	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014	17:23	Katlin N Cataldi	2
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	08:07	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	08:07	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	08:07	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	08:07	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	08:07	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	07:09	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	19	J	26	1.03
10237	Acetonitrile	75-05-8	32	U	130	1.03
10237	Acrolein	107-02-8	26	U	26	1.03
10237	Acrylonitrile	107-13-1	5	U	5	1.03
10237	Allyl Chloride	107-05-1	1	U	6	1.03
10237	Benzene	71-43-2	0.6	U	0.6	1.03
10237	Bromodichloromethane	75-27-4	1	U	1	1.03
10237	Bromoform	75-25-2	1	U	1	1.03
10237	Bromomethane	74-83-9	3	U	3	1.03
10237	2-Butanone	78-93-3	5	U	5	1.03
10237	Carbon Disulfide	75-15-0	1	U	1	1.03
10237	Carbon Tetrachloride	56-23-5	1	U	1	1.03
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1.03
10237	Chlorobenzene	108-90-7	1	U	1	1.03
10237	Chloroethane	75-00-3	3	U	3	1.03
10237	Chloroform	67-66-3	1	U	1	1.03
10237	Chloromethane	74-87-3	3	U	3	1.03
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	1.03
10237	Dibromochloromethane	124-48-1	1	U	1	1.03
10237	1,2-Dibromoethane	106-93-4	1	U	1	1.03
10237	Dibromomethane	74-95-3	1	U	1	1.03
10237	trans-1,4-Dichloro-2-butene	110-57-6	13	U	13	1.03
10237	Dichlorodifluoromethane	75-71-8	3	U	3	1.03
10237	1,1-Dichloroethane	75-34-3	1	U	1	1.03
10237	1,2-Dichloroethane	107-06-2	1	U	1	1.03
10237	1,1-Dichloroethene	75-35-4	1	U	1	1.03
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	1.03
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	1.03
10237	1,2-Dichloropropane	78-87-5	1	U	1	1.03
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	1.03
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	1.03
10237	Ethyl Methacrylate	97-63-2	1	U	1	1.03
10237	Ethylbenzene	100-41-4	1	U	1	1.03
10237	2-Hexanone	591-78-6	4	U	4	1.03
10237	Isobutyl Alcohol	78-83-1	130	U	130	1.03
10237	Methacrylonitrile	126-98-7	6	U	6	1.03
10237	Methyl Iodide	74-88-4	4	U	4	1.03
10237	Methyl Methacrylate	80-62-6	1	U	1	1.03
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	1.03
10237	Methylene Chloride	75-09-2	3	U	3	1.03
10237	Pentachloroethane	76-01-7	1	U	1	1.03
10237	Propionitrile	107-12-0	39	U	39	1.03
10237	Styrene	100-42-5	1	U	1	1.03
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	1.03
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	1.03
10237	Tetrachloroethene	127-18-4	1	U	1	1.03
10237	Toluene	108-88-3	1	U	1	1.03
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	1.03
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	1.03
10237	Trichloroethene	79-01-6	1	U	1	1.03
10237	Trichlorofluoromethane	75-69-4	3	U	3	1.03

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.03
10237	Vinyl Acetate	108-05-4	3 U	3	13	1.03
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.03
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.03
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	75	4	21	1
10726	Acenaphthylene	208-96-8	13	J 4	21	1
10726	Acetophenone	98-86-2	21	U 21	42	1
10726	2-Acetylaminofluorene	53-96-3	84	U 84	210	1
10726	4-Aminobiphenyl	92-67-1	210	U 210	630	1
10726	Aniline	62-53-3	210	U 210	630	1
10726	Anthracene	120-12-7	210	4	21	1
10726	Benzo(a)anthracene	56-55-3	600	4	21	1
10726	Benzo(a)pyrene	50-32-8	520	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	770	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	340	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	220	4	21	1
10726	Benzyl alcohol	100-51-6	210	U 210	630	1
10726	1,1'-Biphenyl	92-52-4	21	U 21	42	1
10726	4-Bromophenyl-phenylether	101-55-3	21	U 21	42	1
10726	Butylbenzylphthalate	85-68-7	84	U 84	210	1
10726	Di-n-butylphthalate	84-74-2	84	U 84	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21	U 21	42	1
10726	4-Chloroaniline	106-47-8	21	U 21	42	1
10726	Chlorobenzilate	510-15-6	42	U 42	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21	U 21	42	1
10726	bis(2-Chloroethyl)ether	111-44-4	21	U 21	42	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21	U 21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9	U 9	41	1
10726	2-Chlorophenol	95-57-8	21	U 21	42	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21	U 21	42	1
10726	Chrysene	218-01-9	500	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	42	U 42	210	1
10726	Dibenz(a,h)anthracene	53-70-3	110	4	21	1
10726	Dibenzofuran	132-64-9	43	21	42	1
10726	1,2-Dichlorobenzene	95-50-1	21	U 21	42	1
10726	1,3-Dichlorobenzene	541-73-1	21	U 21	42	1
10726	1,4-Dichlorobenzene	106-46-7	21	U 21	42	1
10726	3,3'-Dichlorobenzidine	91-94-1	130	U 130	420	1
10726	2,4-Dichlorophenol	120-83-2	21	U 21	42	1
10726	2,6-Dichlorophenol	87-65-0	21	U 21	42	1
10726	Diethylphthalate	84-66-2	84	U 84	210	1
10726	Dimethoate	60-51-5	210	U 210	630	1
10726	p-Dimethylaminoazobenzene	60-11-7	84	U 84	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21	U 21	42	1
10726	3,3'-Dimethylbenzidine	119-93-7	630	U 630	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	42	1
10726	Dimethylphthalate	131-11-3	84	U 84	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	630	1
10726	1,3-Dinitrobenzene	99-65-0	84	U 84	210	1
10726	2,4-Dinitrophenol	51-28-5	380	U 380	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	84	U 84	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	42	1
10726	1,4-Dioxane	123-91-1	130	U 130	420	1
10726	Diphenyl ether	101-84-8	21	U 21	42	1
10726	Ethyl methanesulfonate	62-50-0	84	U 84	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	84	U 84	210	1
10726	Fluoranthene	206-44-0	1,100	4	21	1
10726	Fluorene	86-73-7	95	4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	42	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	630	1
10726	Hexachloroethane	67-72-1	42	U 42	210	1
10726	Hexachloropropene	1888-71-7	130	U 130	420	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	320	4	21	1
10726	Isodrin	465-73-6	21	U 21	42	1
10726	Isophorone	78-59-1	21	U 21	42	1
10726	Isosafrole	120-58-1	84	U 84	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,300	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	42	U 42	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	42	1
10726	2-Methylnaphthalene	91-57-6	18	J 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	42	1
10726	4-Methylphenol	106-44-5	21	U 21	42	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	41	4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,200	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	210	U 210	630	1
10726	2-Naphthylamine	91-59-8	210	U 210	630	1
10726	2-Nitroaniline	88-74-4	21	U 21	42	1
10726	3-Nitroaniline	99-09-2	84	U 84	210	1
10726	4-Nitroaniline	100-01-6	84	U 84	210	1
10726	Nitrobenzene	98-95-3	21	U 21	42	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	630	1
10726	2-Nitrophenol	88-75-5	21	U 21	42	1
10726	4-Nitrophenol	100-02-7	210	U 210	630	1
10726	4-Nitroquinoline-1-oxide	56-57-5	420	U 420	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	42	1
10726	N-Nitrosodimethylamine	62-75-9	84	U 84	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	84	U 84	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	42	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	84	U 84	210	1
10726	N-Nitrosomorpholine	59-89-2	84	U 84	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	42	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	42	1
10726	Di-n-octylphthalate	117-84-0	84	U 84	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	42	1
10726	Pentachloronitrobenzene	82-68-8	84	U 84	210	1
10726	Pentachlorophenol	87-86-5	42	U 42	210	1
10726	Phenacetin	62-44-2	84	U 84	210	1
10726	Phenanthrene	85-01-8	660	4	21	1
10726	Phenol	108-95-2	21	U 21	42	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	42,000	1
10726	2-Picoline	109-06-8	130	U 130	420	1
10726	Pronamide	23950-58-5	42	U 42	210	1
10726	Pyrene	129-00-0	860	4	21	1
10726	Pyridine	110-86-1	84	U 84	210	1
10726	Safrole	94-59-7	84	U 84	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	42	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	84	U 84	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	84	U 84	210	1
10726	Thionazin	297-97-2	84	U 84	210	1
10726	o-Toluidine	95-53-4	250	U 250	840	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	42	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	42	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	42	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	84	U 84	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	630	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.3	U 6.3	13	1
12925	Ethylene glycol	107-21-1	6.3	U 6.3	13	1
12925	Propylene glycol	57-55-6	6.3	U 6.3	13	1
12925	Triethylene glycol	112-27-6	6.3	U 6.3	13	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	51.8	0.0409	1.24	1
06947	Beryllium	7440-41-7	1.50	0.0831	1.24	1
06949	Cadmium	7440-43-9	0.0831 J	0.0409	1.24	1
06951	Chromium	7440-47-3	10.8	0.136	3.72	1
06952	Cobalt	7440-48-4	3.46	0.119	1.24	1
06953	Copper	7440-50-8	18.6	0.409	2.48	1
06961	Nickel	7440-02-0	38.6	0.186	2.48	1
06966	Silver	7440-22-4	0.306 J	0.236	1.24	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	4.17 J	0.534	24.8	1
06971	Vanadium	7440-62-2	24.0	0.113	1.24	1
06972	Zinc	7440-66-6	103	0.323	4.96	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.29	0.105	0.496	2
06125	Arsenic	7440-38-2	2.07	0.106	0.993	2
06135	Lead	7439-92-1	18.0	0.0398	1.24	5
06141	Selenium	7782-49-2	0.728 J	0.124	0.993	2
06145	Thallium	7440-28-0	0.442	0.0372	0.248	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0369 J	0.0123	0.247	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 16:46	Chelsea B Stong	1.03
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/04/2014 12:35	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/04/2014 12:35	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/04/2014 12:35	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 12:35	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 01:18	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:16	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:16	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-2 Soil
SOIL 2014

LL Sample # SW 7700516
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 12:35 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014	12:16	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	08:14	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	08:14	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/12/2014	04:22	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	08:14	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	08:14	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	07:11	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	440	U 440	1,300	52.3
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,300	52.3
10237	Acrolein	107-02-8	1,300	U 1,300	6,300	52.3
10237	Acrylonitrile	107-13-1	250	U 250	1,300	52.3
10237	Allyl Chloride	107-05-1	63	U 63	310	52.3
10237	Benzene	71-43-2	31	U 31	310	52.3
10237	Bromodichloromethane	75-27-4	63	U 63	310	52.3
10237	Bromoform	75-25-2	63	U 63	310	52.3
10237	Bromomethane	74-83-9	130	U 130	310	52.3
10237	2-Butanone	78-93-3	250	U 250	630	52.3
10237	Carbon Disulfide	75-15-0	63	U 63	310	52.3
10237	Carbon Tetrachloride	56-23-5	63	U 63	310	52.3
10237	2-Chloro-1,3-butadiene	126-99-8	63	U 63	310	52.3
10237	Chlorobenzene	108-90-7	63	U 63	310	52.3
10237	Chloroethane	75-00-3	130	U 130	310	52.3
10237	Chloroform	67-66-3	63	U 63	310	52.3
10237	Chloromethane	74-87-3	130	U 130	310	52.3
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	310	52.3
10237	Dibromochloromethane	124-48-1	63	U 63	310	52.3
10237	1,2-Dibromoethane	106-93-4	63	U 63	310	52.3
10237	Dibromomethane	74-95-3	63	U 63	310	52.3
10237	trans-1,4-Dichloro-2-butene	110-57-6	630	U 630	3,100	52.3
10237	Dichlorodifluoromethane	75-71-8	130	U 130	310	52.3
10237	1,1-Dichloroethane	75-34-3	63	U 63	310	52.3
10237	1,2-Dichloroethane	107-06-2	63	U 63	310	52.3
10237	1,1-Dichloroethene	75-35-4	63	U 63	310	52.3
10237	cis-1,2-Dichloroethene	156-59-2	63	U 63	310	52.3
10237	trans-1,2-Dichloroethene	156-60-5	63	U 63	310	52.3
10237	1,2-Dichloropropane	78-87-5	63	U 63	310	52.3
10237	cis-1,3-Dichloropropene	10061-01-5	63	U 63	310	52.3
10237	trans-1,3-Dichloropropene	10061-02-6	63	U 63	310	52.3
10237	Ethyl Methacrylate	97-63-2	63	U 63	310	52.3
10237	Ethylbenzene	100-41-4	63	U 63	310	52.3
10237	2-Hexanone	591-78-6	190	U 190	630	52.3
10237	Isobutyl Alcohol	78-83-1	6,300	U 6,300	16,000	52.3
10237	Methacrylonitrile	126-98-7	310	U 310	3,100	52.3
10237	Methyl Iodide	74-88-4	190	U 190	310	52.3
10237	Methyl Methacrylate	80-62-6	63	U 63	310	52.3
10237	4-Methyl-2-pentanone	108-10-1	190	U 190	630	52.3
10237	Methylene Chloride	75-09-2	130	U 130	310	52.3
10237	Pentachloroethane	76-01-7	63	U 63	310	52.3
10237	Propionitrile	107-12-0	1,900	U 1,900	6,300	52.3
10237	Styrene	100-42-5	63	U 63	310	52.3
10237	1,1,1,2-Tetrachloroethane	630-20-6	63	U 63	310	52.3
10237	1,1,1,2-Tetrachloroethane	79-34-5	63	U 63	310	52.3
10237	Tetrachloroethene	127-18-4	63	U 63	310	52.3
10237	Toluene	108-88-3	63	U 63	310	52.3
10237	1,1,1-Trichloroethane	71-55-6	63	U 63	310	52.3
10237	1,1,2-Trichloroethane	79-00-5	63	U 63	310	52.3
10237	Trichloroethene	79-01-6	63	U 63	310	52.3
10237	Trichlorofluoromethane	75-69-4	130	U 130	310	52.3

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10237	1,2,3-Trichloropropane	96-18-4	63	U 63	310	52.3
10237	Vinyl Acetate	108-05-4	130	U 130	630	52.3
10237	Vinyl Chloride	75-01-4	63	U 63	310	52.3
10237	Xylene (Total)	1330-20-7	63	U 63	310	52.3
Reporting limits were raised due to interference from the sample matrix.						
GC/MS Semivolatiles SW-846 8270D						
10726	Acenaphthene	83-32-9	38	4	20	1
10726	Acenaphthylene	208-96-8	5	J 4	20	1
10726	Acetophenone	98-86-2	20	U 20	40	1
10726	2-Acetylaminofluorene	53-96-3	80	U 80	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	600	1
10726	Aniline	62-53-3	200	U 200	600	1
10726	Anthracene	120-12-7	100	4	20	1
10726	Benzo(a)anthracene	56-55-3	370	4	20	1
10726	Benzo(a)pyrene	50-32-8	330	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	440	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	230	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	170	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	600	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	40	1
10726	Butylbenzylphthalate	85-68-7	80	U 80	200	1
10726	Di-n-butylphthalate	84-74-2	80	U 80	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	40	1
10726	4-Chloroaniline	106-47-8	20	U 20	40	1
10726	Chlorobenzilate	510-15-6	40	U 40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	40	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	40	1
10726	2-Chlorophenol	95-57-8	20	U 20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	40	1
10726	Chrysene	218-01-9	300	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40	U 40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	68	4	20	1
10726	Dibenzofuran	132-64-9	20	U 20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	400	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	40	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	40	1
10726	Diethylphthalate	84-66-2	80	U 80	200	1
10726	Dimethoate	60-51-5	200	U 200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	80	U 80	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	40	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	3,3'-Dimethylbenzidine	119-93-7	600	U 600	1,200	1
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	80	U 80	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	80	U 80	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	80	U 80	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	80	U 80	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	80	U 80	200	1
10726	Fluoranthene	206-44-0	680	4	20	1
10726	Fluorene	86-73-7	38	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno (1,2,3-cd)pyrene	193-39-5	220	4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	80	U 80	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	7	J 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	9	J 4	20	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	80	U 80	200	1
10726	4-Nitroaniline	100-01-6	80	U 80	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodimethylamine	62-75-9	80	U 80	200	1
10726	N-Nitrosodi-n-butylamine	924-16-3	80	U 80	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	80	U 80	200	1
10726	N-Nitrosomorpholine	59-89-2	80	U 80	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	80	U 80	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	80	U 80	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	80	U 80	200	1
10726	Phenanthrene	85-01-8	370	4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	530	4	20	1
10726	Pyridine	110-86-1	80	U 80	200	1
10726	Safrole	94-59-7	80	U 80	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	80	U 80	200	1
10726	Tetraethylthiopyrophosphate	3689-24-5	80	U 80	200	1
10726	Thionazin	297-97-2	80	U 80	200	1
10726	o-Toluidine	95-53-4	240	U 240	800	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	80	U 80	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	57.9	0.0388	1.18	1
06947	Beryllium	7440-41-7	1.12	J 0.0789	1.18	1
06949	Cadmium	7440-43-9	0.0388	U 0.0388	1.18	1
06951	Chromium	7440-47-3	4.12	0.129	3.53	1
06952	Cobalt	7440-48-4	4.42	0.113	1.18	1
06953	Copper	7440-50-8	7.48	0.388	2.35	1
06961	Nickel	7440-02-0	14.9	0.177	2.35	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06966	Silver	7440-22-4	0.224 U	0.224	1.18	1
06969	Tin	7440-31-5	3.06 J	0.506	23.5	1
06971	Vanadium	7440-62-2	17.6	0.107	1.18	1
06972	Zinc	7440-66-6	50.1	0.306	4.71	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.274 J	0.0993	0.471	2
06125	Arsenic	7440-38-2	1.55	0.101	0.942	2
06135	Lead	7439-92-1	16.6	0.0151	0.471	2
06141	Selenium	7782-49-2	0.314 J	0.118	0.942	2
06145	Thallium	7440-28-0	0.445	0.0353	0.235	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0262 J	0.0119	0.238	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	16.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 07:23	Stephanie A Selis	52.3
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/04/2014 13:02	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/04/2014 13:02	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/04/2014 13:02	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 12:59	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 01:32	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:20	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-3 Soil
SOIL 2014

LL Sample # SW 7700517
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 13:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014	12:20	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	08:16	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	08:16	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	08:16	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	08:16	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	08:16	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	07:17	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	7	19	0.8
10237	Acetonitrile	75-05-8	24 U	24	95	0.8
10237	Acrolein	107-02-8	19 U	19	95	0.8
10237	Acrylonitrile	107-13-1	4 U	4	19	0.8
10237	Allyl Chloride	107-05-1	1 U	1	5	0.8
10237	Benzene	71-43-2	0.5 U	0.5	5	0.8
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.8
10237	Bromoform	75-25-2	1 U	1	5	0.8
10237	Bromomethane	74-83-9	2 U	2	5	0.8
10237	2-Butanone	78-93-3	4 U	4	10	0.8
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.8
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.8
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.8
10237	Chlorobenzene	108-90-7	1 U	1	5	0.8
10237	Chloroethane	75-00-3	2 U	2	5	0.8
10237	Chloroform	67-66-3	1 U	1	5	0.8
10237	Chloromethane	74-87-3	2 U	2	5	0.8
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.8
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.8
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.8
10237	Dibromomethane	74-95-3	1 U	1	5	0.8
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	48	0.8
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.8
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.8
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.8
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.8
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.8
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.8
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.8
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.8
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.8
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.8
10237	Ethylbenzene	100-41-4	1 U	1	5	0.8
10237	2-Hexanone	591-78-6	3 U	3	10	0.8
10237	Isobutyl Alcohol	78-83-1	95 U	95	240	0.8
10237	Methacrylonitrile	126-98-7	5 U	5	48	0.8
10237	Methyl Iodide	74-88-4	3 U	3	5	0.8
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.8
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.8
10237	Methylene Chloride	75-09-2	2 U	2	5	0.8
10237	Pentachloroethane	76-01-7	1 U	1	5	0.8
10237	Propionitrile	107-12-0	29 U	29	95	0.8
10237	Styrene	100-42-5	1 U	1	5	0.8
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.8
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.8
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.8
10237	Toluene	108-88-3	1 U	1	5	0.8
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.8
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.8
10237	Trichloroethene	79-01-6	1 U	1	5	0.8
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.8

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.8
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.8
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.8
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.8
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	9	J 4	20	1
10726	Acenaphthylene	208-96-8	4	U 4	20	1
10726	Acetophenone	98-86-2	20	U 20	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	590	1
10726	Aniline	62-53-3	200	U 200	590	1
10726	Anthracene	120-12-7	29	4	20	1
10726	Benzo(a)anthracene	56-55-3	110	4	20	1
10726	Benzo(a)pyrene	50-32-8	100	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	150	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	73	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	48	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	590	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	200	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	39	1
10726	4-Chloroaniline	106-47-8	20	U 20	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	20	U 20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	39	1
10726	Chrysene	218-01-9	92	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	23	4	20	1
10726	Dibenzofuran	132-64-9	20	U 20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	39	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	39	1
10726	Diethylphthalate	84-66-2	78	U 78	200	1
10726	Dimethoate	60-51-5	200	U 200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590	U 590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	20	U 20	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	190	4	20	1
10726	Fluorene	86-73-7	10	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	68	4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	78	U 78	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	980	U 980	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	200	1
10726	4-Nitroaniline	100-01-6	78	U 78	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	200	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	200	1
10726	Phenanthrene	85-01-8	110	4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	150	4	20	1
10726	Pyridine	110-86-1	78	U 78	200	1
10726	Safrole	94-59-7	78	U 78	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	200	1
10726	Thionazin	297-97-2	78	U 78	200	1
10726	o-Toluidine	95-53-4	240	U 240	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	58.9	0.0391	1.18	1
06947	Beryllium	7440-41-7	1.05	J 0.0794	1.18	1
06949	Cadmium	7440-43-9	0.0391	U 0.0391	1.18	1
06951	Chromium	7440-47-3	3.12	J 0.130	3.55	1
06952	Cobalt	7440-48-4	4.19	0.114	1.18	1
06953	Copper	7440-50-8	3.44	0.391	2.37	1
06961	Nickel	7440-02-0	22.3	0.178	2.37	1
06966	Silver	7440-22-4	0.225	U 0.225	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.06 J	0.509	23.7	1
06971	Vanadium	7440-62-2	15.3	0.108	1.18	1
06972	Zinc	7440-66-6	41.4	0.308	4.74	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.100 U	0.100	0.474	2
06125	Arsenic	7440-38-2	1.34	0.101	0.947	2
06135	Lead	7439-92-1	13.3	0.0152	0.474	2
06141	Selenium	7782-49-2	0.360 J	0.118	0.947	2
06145	Thallium	7440-28-0	0.373	0.0355	0.237	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0192 J	0.0111	0.221	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	16.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 17:09	Chelsea B Stong	0.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 16:37	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 16:37	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 16:37	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 13:24	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 01:47	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:23	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:23	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-4 Soil
SOIL 2014

LL Sample # SW 7700518
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 16:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
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4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014	12:23	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	08:19	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	08:19	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	08:19	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	08:19	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	08:19	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	07:19	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS5

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	13	J	7	20	0.89
10237	Acetonitrile	75-05-8	26	U	26	100	0.89
10237	Acrolein	107-02-8	20	U	20	100	0.89
10237	Acrylonitrile	107-13-1	4	U	4	20	0.89
10237	Allyl Chloride	107-05-1	1	U	1	5	0.89
10237	Benzene	71-43-2	0.5	U	0.5	5	0.89
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.89
10237	Bromoform	75-25-2	1	U	1	5	0.89
10237	Bromomethane	74-83-9	2	U	2	5	0.89
10237	2-Butanone	78-93-3	4	U	4	10	0.89
10237	Carbon Disulfide	75-15-0	2	J	1	5	0.89
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.89
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.89
10237	Chlorobenzene	108-90-7	1	U	1	5	0.89
10237	Chloroethane	75-00-3	2	U	2	5	0.89
10237	Chloroform	67-66-3	1	U	1	5	0.89
10237	Chloromethane	74-87-3	2	U	2	5	0.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.89
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.89
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.89
10237	Dibromomethane	74-95-3	1	U	1	5	0.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	51	0.89
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.89
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.89
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.89
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.89
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.89
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.89
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.89
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.89
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.89
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.89
10237	Ethylbenzene	100-41-4	1	U	1	5	0.89
10237	2-Hexanone	591-78-6	3	U	3	10	0.89
10237	Isobutyl Alcohol	78-83-1	100	U	100	260	0.89
10237	Methacrylonitrile	126-98-7	5	U	5	51	0.89
10237	Methyl Iodide	74-88-4	3	U	3	5	0.89
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.89
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	10	0.89
10237	Methylene Chloride	75-09-2	2	U	2	5	0.89
10237	Pentachloroethane	76-01-7	1	U	1	5	0.89
10237	Propionitrile	107-12-0	31	U	31	100	0.89
10237	Styrene	100-42-5	1	U	1	5	0.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.89
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	5	0.89
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.89
10237	Toluene	108-88-3	1	U	1	5	0.89
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.89
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.89
10237	Trichloroethene	79-01-6	1	U	1	5	0.89
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.89
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.89
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.89
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.89
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	11 J	4	19	1
10726	Benzo(a)pyrene	50-32-8	19 J	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	25 U	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	17 J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	8 J	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	12 J	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 15:55 by KS

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Submitted: 12/05/2014 22:25
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15SS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	19	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	14	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

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Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
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Project Name: BRE - SOIL

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Submitted: 12/05/2014 22:25
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15SS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	10	J 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	17	J 4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	53.5	0.0376	1.14	1
06947	Beryllium	7440-41-7	0.920	J 0.0762	1.14	1
06949	Cadmium	7440-43-9	0.0376	U 0.0376	1.14	1
06951	Chromium	7440-47-3	3.11	J 0.125	3.41	1
06952	Cobalt	7440-48-4	4.06	0.109	1.14	1
06953	Copper	7440-50-8	3.56	0.376	2.28	1
06961	Nickel	7440-02-0	80.3	0.171	2.28	1
06966	Silver	7440-22-4	0.216	U 0.216	1.14	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SS5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.57 J	0.489	22.8	1
06971	Vanadium	7440-62-2	13.8	0.104	1.14	1
06972	Zinc	7440-66-6	32.5	0.296	4.55	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0961 U	0.0961	0.455	2
06125	Arsenic	7440-38-2	1.26	0.0972	0.910	2
06135	Lead	7439-92-1	12.0	0.0146	0.455	2
06141	Selenium	7782-49-2	0.293 J	0.114	0.910	2
06145	Thallium	7440-28-0	0.364	0.0341	0.228	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0186 J	0.0109	0.219	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 17:32	Chelsea B Stong	0.89
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 15:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 15:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 15:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 13:48	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 02:02	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:27	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:27	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SS-5 Soil
SOIL 2014

LL Sample # SW 7700519
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SS5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014	12:27	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	08:21	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	08:21	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	08:21	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	08:21	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	08:21	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	07:21	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	32	7	20	0.82
10237	Acetonitrile	75-05-8	25	U	100	0.82
10237	Acrolein	107-02-8	20	U	20	0.82
10237	Acrylonitrile	107-13-1	4	U	4	0.82
10237	Allyl Chloride	107-05-1	1	U	1	0.82
10237	Benzene	71-43-2	1	J	0.5	0.82
10237	Bromodichloromethane	75-27-4	1	U	1	0.82
10237	Bromoform	75-25-2	1	U	1	0.82
10237	Bromomethane	74-83-9	2	U	2	0.82
10237	2-Butanone	78-93-3	4	U	4	0.82
10237	Carbon Disulfide	75-15-0	1	U	1	0.82
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.82
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.82
10237	Chlorobenzene	108-90-7	1	U	1	0.82
10237	Chloroethane	75-00-3	2	U	2	0.82
10237	Chloroform	67-66-3	1	U	1	0.82
10237	Chloromethane	74-87-3	2	U	2	0.82
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.82
10237	Dibromochloromethane	124-48-1	1	U	1	0.82
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.82
10237	Dibromomethane	74-95-3	1	U	1	0.82
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.82
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.82
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.82
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.82
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.82
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.82
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.82
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.82
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.82
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.82
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.82
10237	Ethylbenzene	100-41-4	1	U	1	0.82
10237	2-Hexanone	591-78-6	3	U	3	0.82
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.82
10237	Methacrylonitrile	126-98-7	5	U	5	0.82
10237	Methyl Iodide	74-88-4	3	U	3	0.82
10237	Methyl Methacrylate	80-62-6	1	U	1	0.82
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.82
10237	Methylene Chloride	75-09-2	2	U	2	0.82
10237	Pentachloroethane	76-01-7	1	U	1	0.82
10237	Propionitrile	107-12-0	30	U	30	0.82
10237	Styrene	100-42-5	1	U	1	0.82
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.82
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.82
10237	Tetrachloroethene	127-18-4	1	U	1	0.82
10237	Toluene	108-88-3	1	U	1	0.82
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.82
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.82
10237	Trichloroethene	79-01-6	1	J	1	0.82
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.82

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.82
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.82
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.82
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.82
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,100	4	21	1
10726	Acenaphthylene	208-96-8	36	4	21	1
10726	Acetophenone	98-86-2	20 U	20	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	610	1
10726	Aniline	62-53-3	200 U	200	610	1
10726	Anthracene	120-12-7	3,100	4	21	1
10726	Benzo(a)anthracene	56-55-3	6,800	20	100	5
10726	Benzo(a)pyrene	50-32-8	6,000	20	100	5
10726	Benzo(b)fluoranthene	205-99-2	7,700	20	100	5
10726	Benzo(g,h,i)perylene	191-24-2	4,200	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	2,800	4	21	1
10726	Benzyl alcohol	100-51-6	200 U	200	610	1
10726	1,1'-Biphenyl	92-52-4	82	20	41	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	200	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	41	1
10726	4-Chloroaniline	106-47-8	20 U	20	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	41	1
10726	Chrysene	218-01-9	6,100	20	100	5
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	200	1
10726	Dibenz(a,h)anthracene	53-70-3	1,200	4	21	1
10726	Dibenzofuran	132-64-9	520	20	41	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	41	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	41	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	41	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	41	1
10726	Diethylphthalate	84-66-2	82 U	82	200	1
10726	Dimethoate	60-51-5	200 U	200	610	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	610 U	610	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	610	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	200	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	63	20	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	15,000	20	100	5
10726	Fluorene	86-73-7	1,200	4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	610	1
10726	Hexachloroethane	67-72-1	41	U 41	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	3,900	4	21	1
10726	Isodrin	465-73-6	20	U 20	41	1
10726	Isophorone	78-59-1	20	U 20	41	1
10726	Isosafrole	120-58-1	82	U 82	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,100	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	41	U 41	200	1
10726	3-Methylcholanthrene	56-49-5	84	20	41	1
10726	2-Methylnaphthalene	91-57-6	160	4	21	1
10726	2-Methylphenol	95-48-7	20	U 20	41	1
10726	4-Methylphenol	106-44-5	23	J 20	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	450	4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	610	1
10726	2-Naphthylamine	91-59-8	200	U 200	610	1
10726	2-Nitroaniline	88-74-4	20	U 20	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	200	1
10726	4-Nitroaniline	100-01-6	82	U 82	200	1
10726	Nitrobenzene	98-95-3	20	U 20	41	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	610	1
10726	2-Nitrophenol	88-75-5	20	U 20	41	1
10726	4-Nitrophenol	100-02-7	200	U 200	610	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
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Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	41	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	200	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	41	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	200	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	200	1
10726	Phenanthrene	85-01-8	9,700	20	100	5
10726	Phenol	108-95-2	20	U 20	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	200	1
10726	Pyrene	129-00-0	11,000	20	100	5
10726	Pyridine	110-86-1	82	U 82	200	1
10726	Safrole	94-59-7	82	U 82	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	200	1
10726	Thionazin	297-97-2	82	U 82	200	1
10726	o-Toluidine	95-53-4	240	U 240	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	610	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.1	U 6.1	12	1
12925	Ethylene glycol	107-21-1	6.1	U 6.1	12	1
12925	Propylene glycol	57-55-6	6.1	U 6.1	12	1
12925	Triethylene glycol	112-27-6	6.1	U 6.1	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	49.8	0.0401	1.21	1
06947	Beryllium	7440-41-7	1.08	J 0.0814	1.21	1
06949	Cadmium	7440-43-9	0.290	J 0.0401	1.21	1
06951	Chromium	7440-47-3	8.70	0.134	3.64	1
06952	Cobalt	7440-48-4	3.43	0.117	1.21	1
06953	Copper	7440-50-8	36.7	0.401	2.43	1
06961	Nickel	7440-02-0	7.95	0.182	2.43	1
06966	Silver	7440-22-4	2.68	0.231	1.21	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.94 J	0.522	24.3	1
06971	Vanadium	7440-62-2	23.4	0.111	1.21	1
06972	Zinc	7440-66-6	157	0.632	9.72	2
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.10	0.103	0.486	2
06125	Arsenic	7440-38-2	2.22	0.104	0.972	2
06135	Lead	7439-92-1	30.1	0.0390	1.21	5
06141	Selenium	7782-49-2	0.352 J	0.121	0.972	2
06145	Thallium	7440-28-0	0.337	0.0364	0.243	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0490 J	0.0118	0.235	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	18.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143441AA	12/11/2014 03:11	Christopher G Torres	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/04/2014 15:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/04/2014 15:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/04/2014 15:30	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 14:13	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 17:06	Linda M Hartenstine	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 02:17	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-1 Soil
SOIL 2014

LL Sample # SW 7700520
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SB1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 12:31	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014 17:34	Katlin N Cataldi	2
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:23	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:23	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/12/2014 04:24	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:23	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:23	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:23	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	36	6	17	0.74
10237	Acetonitrile	75-05-8	21 U	21	85	0.74
10237	Acrolein	107-02-8	17 U	17	85	0.74
10237	Acrylonitrile	107-13-1	3 U	3	17	0.74
10237	Allyl Chloride	107-05-1	0.8 U	0.8	4	0.74
10237	Benzene	71-43-2	0.4 U	0.4	4	0.74
10237	Bromodichloromethane	75-27-4	0.8 U	0.8	4	0.74
10237	Bromoform	75-25-2	0.8 U	0.8	4	0.74
10237	Bromomethane	74-83-9	2 U	2	4	0.74
10237	2-Butanone	78-93-3	3 U	3	8	0.74
10237	Carbon Disulfide	75-15-0	0.8 U	0.8	4	0.74
10237	Carbon Tetrachloride	56-23-5	0.8 U	0.8	4	0.74
10237	2-Chloro-1,3-butadiene	126-99-8	0.8 U	0.8	4	0.74
10237	Chlorobenzene	108-90-7	0.8 U	0.8	4	0.74
10237	Chloroethane	75-00-3	2 U	2	4	0.74
10237	Chloroform	67-66-3	0.8 U	0.8	4	0.74
10237	Chloromethane	74-87-3	2 U	2	4	0.74
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	4	0.74
10237	Dibromochloromethane	124-48-1	0.8 U	0.8	4	0.74
10237	1,2-Dibromoethane	106-93-4	0.8 U	0.8	4	0.74
10237	Dibromomethane	74-95-3	0.8 U	0.8	4	0.74
10237	trans-1,4-Dichloro-2-butene	110-57-6	8 U	8	42	0.74
10237	Dichlorodifluoromethane	75-71-8	2 U	2	4	0.74
10237	1,1-Dichloroethane	75-34-3	0.8 U	0.8	4	0.74
10237	1,2-Dichloroethane	107-06-2	0.8 U	0.8	4	0.74
10237	1,1-Dichloroethene	75-35-4	0.8 U	0.8	4	0.74
10237	cis-1,2-Dichloroethene	156-59-2	0.8 U	0.8	4	0.74
10237	trans-1,2-Dichloroethene	156-60-5	0.8 U	0.8	4	0.74
10237	1,2-Dichloropropane	78-87-5	0.8 U	0.8	4	0.74
10237	cis-1,3-Dichloropropene	10061-01-5	0.8 U	0.8	4	0.74
10237	trans-1,3-Dichloropropene	10061-02-6	0.8 U	0.8	4	0.74
10237	Ethyl Methacrylate	97-63-2	0.8 U	0.8	4	0.74
10237	Ethylbenzene	100-41-4	0.8 U	0.8	4	0.74
10237	2-Hexanone	591-78-6	3 U	3	8	0.74
10237	Isobutyl Alcohol	78-83-1	85 U	85	210	0.74
10237	Methacrylonitrile	126-98-7	4 U	4	42	0.74
10237	Methyl Iodide	74-88-4	3 U	3	4	0.74
10237	Methyl Methacrylate	80-62-6	0.8 U	0.8	4	0.74
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	8	0.74
10237	Methylene Chloride	75-09-2	2 U	2	4	0.74
10237	Pentachloroethane	76-01-7	0.8 U	0.8	4	0.74
10237	Propionitrile	107-12-0	25 U	25	85	0.74
10237	Styrene	100-42-5	0.8 U	0.8	4	0.74
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.8 U	0.8	4	0.74
10237	1,1,1,2-Tetrachloroethane	79-34-5	0.8 U	0.8	4	0.74
10237	Tetrachloroethene	127-18-4	0.8 U	0.8	4	0.74
10237	Toluene	108-88-3	0.8 U	0.8	4	0.74
10237	1,1,1-Trichloroethane	71-55-6	0.8 U	0.8	4	0.74
10237	1,1,2-Trichloroethane	79-00-5	0.8 U	0.8	4	0.74
10237	Trichloroethene	79-01-6	0.8 U	0.8	4	0.74
10237	Trichlorofluoromethane	75-69-4	2 U	2	4	0.74

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.8 U	0.8	4	0.74
10237	Vinyl Acetate	108-05-4	2 U	2	8	0.74
10237	Vinyl Chloride	75-01-4	0.8 U	0.8	4	0.74
10237	Xylene (Total)	1330-20-7	0.8 U	0.8	4	0.74
The recovery for the sample internal standard(s) is outside the QC acceptance limits. Sufficient sample was not available to repeat the analysis.						
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	19 J	4	19	1
10726	Benzo(a)pyrene	50-32-8	17 J	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	22	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	14 J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	9 J	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	17 J	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	22	4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	9	J 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	20	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg		
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	28.5	0.0363	1.10	1
06947	Beryllium	7440-41-7	1.00	J 0.0737	1.10	1
06949	Cadmium	7440-43-9	0.0363	U 0.0363	1.10	1
06951	Chromium	7440-47-3	3.35	0.121	3.30	1
06952	Cobalt	7440-48-4	1.92	0.106	1.10	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SB2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06953	Copper	7440-50-8	2.99	0.363	2.20	1
06961	Nickel	7440-02-0	2.72	0.165	2.20	1
06966	Silver	7440-22-4	0.209 U	0.209	1.10	1
06969	Tin	7440-31-5	3.25 J	0.473	22.0	1
06971	Vanadium	7440-62-2	8.35	0.100	1.10	1
06972	Zinc	7440-66-6	18.1	0.286	4.40	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0929 U	0.0929	0.440	2
06125	Arsenic	7440-38-2	1.34	0.0940	0.880	2
06135	Lead	7439-92-1	14.0	0.0141	0.440	2
06141	Selenium	7782-49-2	0.236 J	0.110	0.880	2
06145	Thallium	7440-28-0	0.228	0.0330	0.220	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0276 J	0.0108	0.215	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	12.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 18:17	Chelsea B Stong	0.74
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/05/2014 10:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/05/2014 10:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/05/2014 10:45	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 14:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 02:32	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2 Soil
SOIL 2014

LL Sample # SW 7700521
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SB2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 12:35	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:26	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:26	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 08:26	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:26	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:26	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:25	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SBD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	41	6	18	0.77
10237	Acetonitrile	75-05-8	22 U	22	89	0.77
10237	Acrolein	107-02-8	18 U	18	89	0.77
10237	Acrylonitrile	107-13-1	4 U	4	18	0.77
10237	Allyl Chloride	107-05-1	0.9 U	0.9	4	0.77
10237	Benzene	71-43-2	0.4 U	0.4	4	0.77
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	4	0.77
10237	Bromoform	75-25-2	0.9 U	0.9	4	0.77
10237	Bromomethane	74-83-9	2 U	2	4	0.77
10237	2-Butanone	78-93-3	4 U	4	9	0.77
10237	Carbon Disulfide	75-15-0	0.9 U	0.9	4	0.77
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	4	0.77
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	4	0.77
10237	Chlorobenzene	108-90-7	0.9 U	0.9	4	0.77
10237	Chloroethane	75-00-3	2 U	2	4	0.77
10237	Chloroform	67-66-3	0.9 U	0.9	4	0.77
10237	Chloromethane	74-87-3	2 U	2	4	0.77
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	4	0.77
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	4	0.77
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	4	0.77
10237	Dibromomethane	74-95-3	0.9 U	0.9	4	0.77
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	44	0.77
10237	Dichlorodifluoromethane	75-71-8	2 U	2	4	0.77
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	4	0.77
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	4	0.77
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	4	0.77
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	4	0.77
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	4	0.77
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	4	0.77
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	4	0.77
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	4	0.77
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	4	0.77
10237	Ethylbenzene	100-41-4	0.9 U	0.9	4	0.77
10237	2-Hexanone	591-78-6	3 U	3	9	0.77
10237	Isobutyl Alcohol	78-83-1	89 U	89	220	0.77
10237	Methacrylonitrile	126-98-7	4 U	4	44	0.77
10237	Methyl Iodide	74-88-4	3 U	3	4	0.77
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	4	0.77
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.77
10237	Methylene Chloride	75-09-2	2 U	2	4	0.77
10237	Pentachloroethane	76-01-7	0.9 U	0.9	4	0.77
10237	Propionitrile	107-12-0	27 U	27	89	0.77
10237	Styrene	100-42-5	0.9 U	0.9	4	0.77
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	4	0.77
10237	1,1,2,2-Tetrachloroethane	79-34-5	0.9 U	0.9	4	0.77
10237	Tetrachloroethene	127-18-4	0.9 U	0.9	4	0.77
10237	Toluene	108-88-3	0.9 U	0.9	4	0.77
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	4	0.77
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	4	0.77
10237	Trichloroethene	79-01-6	0.9 U	0.9	4	0.77
10237	Trichlorofluoromethane	75-69-4	2 U	2	4	0.77

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SBD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	4	0.77
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.77
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	4	0.77
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	4	0.77
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	13 J	4	19	1
10726	Benzo(a)pyrene	50-32-8	17 J	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	19 J	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	13 J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	7 J	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	37	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	11 J	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SBD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	10	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	11	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SBD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	4	U 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	12	J 4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	27.8	0.0361	1.09	1
06947	Beryllium	7440-41-7	1.00	J 0.0733	1.09	1
06949	Cadmium	7440-43-9	0.0361	U 0.0361	1.09	1
06951	Chromium	7440-47-3	2.80	J 0.120	3.28	1
06952	Cobalt	7440-48-4	1.91	0.105	1.09	1
06953	Copper	7440-50-8	2.47	0.361	2.19	1
06961	Nickel	7440-02-0	2.00	J 0.164	2.19	1
06966	Silver	7440-22-4	0.208	U 0.208	1.09	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

15SBD

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.14 J	0.471	21.9	1
06971	Vanadium	7440-62-2	8.50	0.0996	1.09	1
06972	Zinc	7440-66-6	16.5	0.285	4.38	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0924 U	0.0924	0.438	2
06125	Arsenic	7440-38-2	1.18	0.0935	0.876	2
06135	Lead	7439-92-1	12.1	0.0141	0.438	2
06141	Selenium	7782-49-2	0.219 J	0.109	0.876	2
06145	Thallium	7440-28-0	0.198 J	0.0328	0.219	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0223 J	0.0114	0.228	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 18:39	Chelsea B Stong	0.77
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/05/2014 10:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/05/2014 10:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/05/2014 10:45	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 15:02	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 23:47	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	2	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143460637002	12/16/2014 04:11	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143460637002	12/16/2014 04:11	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-2-D Soil
SOIL 2014

LL Sample # SW 7700522
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/05/2014 10:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

15SBD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143460637002	12/16/2014	04:11	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143460637002A	12/16/2014	08:53	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143460637002A	12/16/2014	08:53	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143460637002A	12/16/2014	08:53	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143460637002B	12/16/2014	08:53	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143460637002A	12/16/2014	08:53	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143460638001	12/16/2014	08:36	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143460637002	12/15/2014	07:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143460638001	12/15/2014	12:10	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	85	8	23	0.97
10237	Acetonitrile	75-05-8	28	U	110	0.97
10237	Acrolein	107-02-8	23	U	110	0.97
10237	Acrylonitrile	107-13-1	5	U	23	0.97
10237	Allyl Chloride	107-05-1	1	U	6	0.97
10237	Benzene	71-43-2	0.6	U	6	0.97
10237	Bromodichloromethane	75-27-4	1	U	6	0.97
10237	Bromoform	75-25-2	1	U	6	0.97
10237	Bromomethane	74-83-9	2	U	6	0.97
10237	2-Butanone	78-93-3	5	U	11	0.97
10237	Carbon Disulfide	75-15-0	1	U	6	0.97
10237	Carbon Tetrachloride	56-23-5	1	U	6	0.97
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	0.97
10237	Chlorobenzene	108-90-7	1	U	6	0.97
10237	Chloroethane	75-00-3	2	U	6	0.97
10237	Chloroform	67-66-3	1	U	6	0.97
10237	Chloromethane	74-87-3	2	U	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	0.97
10237	Dibromochloromethane	124-48-1	1	U	6	0.97
10237	1,2-Dibromoethane	106-93-4	1	U	6	0.97
10237	Dibromomethane	74-95-3	1	U	6	0.97
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	57	0.97
10237	Dichlorodifluoromethane	75-71-8	2	U	6	0.97
10237	1,1-Dichloroethane	75-34-3	1	U	6	0.97
10237	1,2-Dichloroethane	107-06-2	1	U	6	0.97
10237	1,1-Dichloroethene	75-35-4	1	U	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	0.97
10237	1,2-Dichloropropane	78-87-5	1	U	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	0.97
10237	Ethyl Methacrylate	97-63-2	1	U	6	0.97
10237	Ethylbenzene	100-41-4	10	U	6	0.97
10237	2-Hexanone	591-78-6	3	U	11	0.97
10237	Isobutyl Alcohol	78-83-1	110	U	280	0.97
10237	Methacrylonitrile	126-98-7	6	U	57	0.97
10237	Methyl Iodide	74-88-4	3	U	6	0.97
10237	Methyl Methacrylate	80-62-6	1	U	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	3	U	11	0.97
10237	Methylene Chloride	75-09-2	2	U	6	0.97
10237	Pentachloroethane	76-01-7	1	U	6	0.97
10237	Propionitrile	107-12-0	34	U	110	0.97
10237	Styrene	100-42-5	1	U	6	0.97
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	0.97
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	6	0.97
10237	Tetrachloroethene	127-18-4	1	U	6	0.97
10237	Toluene	108-88-3	2	J	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	0.97
10237	Trichloroethene	79-01-6	1	U	6	0.97
10237	Trichlorofluoromethane	75-69-4	2	U	6	0.97

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.97
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.97
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.97
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.97
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	39 U	39	200	10
10726	Acenaphthylene	208-96-8	39 U	39	200	10
10726	Acetophenone	98-86-2	190 U	190	390	10
10726	2-Acetylaminofluorene	53-96-3	770 U	770	1,900	10
10726	4-Aminobiphenyl	92-67-1	1,900 U	1,900	5,800	10
10726	Aniline	62-53-3	1,900 U	1,900	5,800	10
10726	Anthracene	120-12-7	39 U	39	200	10
10726	Benzo(a)anthracene	56-55-3	86 J	39	200	10
10726	Benzo(a)pyrene	50-32-8	130 J	39	200	10
10726	Benzo(b)fluoranthene	205-99-2	160 J	39	200	10
10726	Benzo(g,h,i)perylene	191-24-2	120 J	39	200	10
10726	Benzo(k)fluoranthene	207-08-9	52 J	39	200	10
10726	Benzyl alcohol	100-51-6	1,900 U	1,900	5,800	10
10726	1,1'-Biphenyl	92-52-4	220 J	190	390	10
10726	4-Bromophenyl-phenylether	101-55-3	190 U	190	390	10
10726	Butylbenzylphthalate	85-68-7	770 U	770	1,900	10
10726	Di-n-butylphthalate	84-74-2	770 U	770	1,900	10
10726	4-Chloro-3-methylphenol	59-50-7	190 U	190	390	10
10726	4-Chloroaniline	106-47-8	190 U	190	390	10
10726	Chlorobenzilate	510-15-6	390 U	390	1,900	10
10726	bis(2-Chloroethoxy)methane	111-91-1	190 U	190	390	10
10726	bis(2-Chloroethyl)ether	111-44-4	190 U	190	390	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	bis(2-Chloroisopropyl) ether	39638-32-9	190 U	190	390	10
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	81 U	81	380	10
10726	2-Chlorophenol	95-57-8	190 U	190	390	10
10726	4-Chlorophenyl-phenylether	7005-72-3	190 U	190	390	10
10726	Chrysene	218-01-9	83 J	39	200	10
10726	Diallate TRANS/CIS	2303-16-4	390 U	390	1,900	10
10726	Dibenz (a, h) anthracene	53-70-3	39 U	39	200	10
10726	Dibenzofuran	132-64-9	190 U	190	390	10
10726	1,2-Dichlorobenzene	95-50-1	190 U	190	390	10
10726	1,3-Dichlorobenzene	541-73-1	190 U	190	390	10
10726	1,4-Dichlorobenzene	106-46-7	190 U	190	390	10
10726	3,3'-Dichlorobenzidine	91-94-1	1,200 U	1,200	3,900	10
10726	2,4-Dichlorophenol	120-83-2	190 U	190	390	10
10726	2,6-Dichlorophenol	87-65-0	190 U	190	390	10
10726	Diethylphthalate	84-66-2	770 U	770	1,900	10
10726	Dimethoate	60-51-5	1,900 U	1,900	5,800	10
10726	p-Dimethylaminoazobenzene	60-11-7	770 U	770	1,900	10
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	190 U	190	390	10
10726	3,3'-Dimethylbenzidine	119-93-7	5,800 U	5,800	12,000	10
10726	2,4-Dimethylphenol	105-67-9	190 U	190	390	10
10726	Dimethylphthalate	131-11-3	770 U	770	1,900	10
10726	4,6-Dinitro-2-methylphenol	534-52-1	1,900 U	1,900	5,800	10
10726	1,3-Dinitrobenzene	99-65-0	770 U	770	1,900	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dinitrophenol	51-28-5	3,500 U	3,500	12,000	10
10726	2,4-Dinitrotoluene	121-14-2	770 U	770	1,900	10
10726	2,6-Dinitrotoluene	606-20-2	190 U	190	390	10
10726	1,4-Dioxane	123-91-1	1,200 U	1,200	3,900	10
10726	Diphenyl ether	101-84-8	450	190	390	10
10726	Ethyl methanesulfonate	62-50-0	770 U	770	1,900	10
10726	bis(2-Ethylhexyl)phthalate	117-81-7	770 U	770	2,000	10
10726	Fluoranthene	206-44-0	90 J	39	200	10
10726	Fluorene	86-73-7	39 U	39	200	10
10726	Hexachlorobenzene	118-74-1	39 U	39	200	10
10726	Hexachlorobutadiene	87-68-3	190 U	190	390	10
10726	Hexachlorocyclopentadiene	77-47-4	1,900 U	1,900	5,800	10
10726	Hexachloroethane	67-72-1	390 U	390	1,900	10
10726	Hexachloropropene	1888-71-7	1,200 U	1,200	3,900	10
10726	Indeno(1,2,3-cd)pyrene	193-39-5	100 J	39	200	10
10726	Isodrin	465-73-6	190 U	190	390	10
10726	Isophorone	78-59-1	190 U	190	390	10
10726	Isosafrole	120-58-1	770 U	770	1,900	10
10726	Methapyrilene	91-80-5	19,000 U	19,000	58,000	10
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	390 U	390	1,900	10
10726	3-Methylcholanthrene	56-49-5	190 U	190	390	10
10726	2-Methylnaphthalene	91-57-6	39 U	39	200	10
10726	2-Methylphenol	95-48-7	190 U	190	390	10
10726	4-Methylphenol	106-44-5	190 U	190	390	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	39 U	39	200	10
10726	1,4-Naphthoquinone	130-15-4	9,700 U	9,700	39,000	10
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	1,900 U	1,900	5,800	10
10726	2-Naphthylamine	91-59-8	1,900 U	1,900	5,800	10
10726	2-Nitroaniline	88-74-4	190 U	190	390	10
10726	3-Nitroaniline	99-09-2	770 U	770	1,900	10
10726	4-Nitroaniline	100-01-6	770 U	770	1,900	10
10726	Nitrobenzene	98-95-3	190 U	190	390	10
10726	5-Nitro-o-toluidine	99-55-8	1,900 U	1,900	5,800	10
10726	2-Nitrophenol	88-75-5	190 U	190	390	10
10726	4-Nitrophenol	100-02-7	1,900 U	1,900	5,800	10
10726	4-Nitroquinoline-1-oxide	56-57-5	3,900 U	3,900	12,000	10
10726	N-Nitrosodiethylamine	55-18-5	190 U	190	390	10
10726	N-Nitrosodimethylamine	62-75-9	770 U	770	1,900	10
10726	N-Nitrosodi-n-butylamine	924-16-3	770 U	770	1,900	10
10726	N-Nitroso-di-n-propylamine	621-64-7	190 U	190	390	10
10726	N-Nitrosodiphenylamine	86-30-6	190 U	190	390	10
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	770 U	770	1,900	10
10726	N-Nitrosomorpholine	59-89-2	770 U	770	1,900	10
10726	N-Nitrosopiperidine	100-75-4	190 U	190	390	10
10726	N-Nitrosopyrrolidine	930-55-2	190 U	190	390	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Di-n-octylphthalate	117-84-0	770 U	770	1,900	10
10726	Pentachlorobenzene	608-93-5	190 U	190	390	10
10726	Pentachloronitrobenzene	82-68-8	770 U	770	1,900	10
10726	Pentachlorophenol	87-86-5	390 U	390	2,000	10
10726	Phenacetin	62-44-2	770 U	770	1,900	10
10726	Phenanthrene	85-01-8	39 U	39	200	10
10726	Phenol	108-95-2	190 U	190	390	10
10726	1,4-Phenylenediamine	106-50-3	140,000 U	140,000	390,000	10
10726	2-Picoline	109-06-8	1,200 U	1,200	3,900	10
10726	Pronamide	23950-58-5	390 U	390	1,900	10
10726	Pyrene	129-00-0	100 J	39	200	10
10726	Pyridine	110-86-1	770 U	770	1,900	10
10726	Safrole	94-59-7	770 U	770	1,900	10
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	190 U	190	390	10
10726	2,3,4,6-Tetrachlorophenol	58-90-2	770 U	770	1,900	10
10726	Tetraethyldithiopyrophosphate	3689-24-5	770 U	770	1,900	10
10726	Thionazin	297-97-2	770 U	770	1,900	10
10726	o-Toluidine	95-53-4	2,300 U	2,300	7,700	10
10726	1,2,4-Trichlorobenzene	120-82-1	190 U	190	390	10
10726	2,4,5-Trichlorophenol	95-95-4	190 U	190	390	10
10726	2,4,6-Trichlorophenol	88-06-2	190 U	190	390	10
10726	O,O,O-Triethylphosphorothioate	126-68-1	770 U	770	1,900	10
10726	1,3,5-Trinitrobenzene	99-35-4	1,900 U	1,900	5,800	10
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8 U	5.8	12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC Miscellaneous						
	SW-846 8015C Feb 2007 Rev 3		mg/kg	mg/kg	mg/kg	
12925	Ethylene glycol	107-21-1	5.8 U	5.8	12	1
12925	Propylene glycol	57-55-6	5.8 U	5.8	12	1
12925	Triethylene glycol	112-27-6	5.8 U	5.8	12	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	37.4	0.0377	1.14	1
06947	Beryllium	7440-41-7	1.21	0.0765	1.14	1
06949	Cadmium	7440-43-9	0.0377 U	0.0377	1.14	1
06951	Chromium	7440-47-3	6.42	0.126	3.42	1
06952	Cobalt	7440-48-4	2.65	0.110	1.14	1
06953	Copper	7440-50-8	3.83	0.377	2.28	1
06961	Nickel	7440-02-0	20.5	0.171	2.28	1
06966	Silver	7440-22-4	0.217 U	0.217	1.14	1
06969	Tin	7440-31-5	3.54 J	0.491	22.8	1
06971	Vanadium	7440-62-2	17.2	0.104	1.14	1
06972	Zinc	7440-66-6	31.2	0.297	4.57	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.39	0.0963	0.457	2
06125	Arsenic	7440-38-2	1.94	0.0975	0.913	2
06135	Lead	7439-92-1	18.3	0.0147	0.457	2
06141	Selenium	7782-49-2	0.362 J	0.114	0.913	2
06145	Thallium	7440-28-0	0.277	0.0342	0.228	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0362 J	0.0116	0.231	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	14.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 19:03	Chelsea B Stong	0.97
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 11:57	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-1 Soil
SOIL 2014

LL Sample # SW 7700523
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 11:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 11:57	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 11:57	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 15:27	Linda M Hartenstine	10
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 03:01	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 12:39	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 08:28	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 08:28	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 08:28	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 08:28	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 08:28	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 07:27	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014 11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	37	7	20	0.86
10237	Acetonitrile	75-05-8	25	U	100	0.86
10237	Acrolein	107-02-8	20	U	20	0.86
10237	Acrylonitrile	107-13-1	4	U	4	0.86
10237	Allyl Chloride	107-05-1	1	U	1	0.86
10237	Benzene	71-43-2	0.5	U	0.5	0.86
10237	Bromodichloromethane	75-27-4	1	U	1	0.86
10237	Bromoform	75-25-2	1	U	1	0.86
10237	Bromomethane	74-83-9	2	U	2	0.86
10237	2-Butanone	78-93-3	4	U	4	0.86
10237	Carbon Disulfide	75-15-0	1	U	1	0.86
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.86
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.86
10237	Chlorobenzene	108-90-7	1	U	1	0.86
10237	Chloroethane	75-00-3	2	U	2	0.86
10237	Chloroform	67-66-3	1	U	1	0.86
10237	Chloromethane	74-87-3	2	U	2	0.86
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.86
10237	Dibromochloromethane	124-48-1	1	U	1	0.86
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.86
10237	Dibromomethane	74-95-3	1	U	1	0.86
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.86
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.86
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.86
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.86
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.86
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.86
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.86
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.86
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.86
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.86
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.86
10237	Ethylbenzene	100-41-4	1	U	1	0.86
10237	2-Hexanone	591-78-6	3	U	3	0.86
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.86
10237	Methacrylonitrile	126-98-7	5	U	5	0.86
10237	Methyl Iodide	74-88-4	3	U	3	0.86
10237	Methyl Methacrylate	80-62-6	1	U	1	0.86
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.86
10237	Methylene Chloride	75-09-2	2	U	2	0.86
10237	Pentachloroethane	76-01-7	1	U	1	0.86
10237	Propionitrile	107-12-0	30	U	30	0.86
10237	Styrene	100-42-5	1	U	1	0.86
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.86
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.86
10237	Tetrachloroethene	127-18-4	1	U	1	0.86
10237	Toluene	108-88-3	1	U	1	0.86
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.86
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.86
10237	Trichloroethene	79-01-6	1	U	1	0.86
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.86

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.86
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.86
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.86
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.86
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	8	J 4	20	1
10726	Acenaphthylene	208-96-8	5	J 4	20	1
10726	Acetophenone	98-86-2	19	U 19	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	16	J 4	20	1
10726	Benzo(a)anthracene	56-55-3	70	4	20	1
10726	Benzo(a)pyrene	50-32-8	79	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	110	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	63	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	42	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	38	J 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	190	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	75	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	15	J 4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	78	U 78	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	94	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	140	U 4	20	1
10726	Fluorene	86-73-7	9	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	55	U 4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	78	U 78	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	190	1
10726	4-Nitroaniline	100-01-6	78	U 78	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	190	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	190	1
10726	Phenanthrene	85-01-8	66	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	110	4	20	1
10726	Pyridine	110-86-1	78	U 78	190	1
10726	Safrole	94-59-7	78	U 78	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	190	1
10726	Thionazin	297-97-2	78	U 78	190	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	38.7	0.0371	1.12	1
06947	Beryllium	7440-41-7	0.842	J 0.0753	1.12	1
06949	Cadmium	7440-43-9	0.0371	U 0.0371	1.12	1
06951	Chromium	7440-47-3	4.97	0.124	3.37	1
06952	Cobalt	7440-48-4	2.06	0.108	1.12	1
06953	Copper	7440-50-8	2.67	0.371	2.25	1
06961	Nickel	7440-02-0	16.8	0.168	2.25	1
06966	Silver	7440-22-4	0.858	J 0.213	1.12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.08 J	0.483	22.5	1
06971	Vanadium	7440-62-2	10.3	0.102	1.12	1
06972	Zinc	7440-66-6	25.2	0.292	4.49	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.705	0.0948	0.449	2
06125	Arsenic	7440-38-2	0.928	0.0959	0.899	2
06135	Lead	7439-92-1	12.6	0.0144	0.449	2
06141	Selenium	7782-49-2	0.197 J	0.112	0.899	2
06145	Thallium	7440-28-0	0.204 J	0.0337	0.225	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0254 J	0.0115	0.230	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 20:56	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 14:20	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 14:20	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 14:20	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 15:52	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 03:16	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143460637002	12/16/2014 04:15	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143460637002	12/16/2014 04:15	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-2 Soil
SOIL 2014

LL Sample # SW 7700524
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143460637002	12/16/2014	04:15	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143460637002A	12/16/2014	08:55	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143460637002A	12/16/2014	08:55	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143460637002A	12/16/2014	08:55	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143460637002B	12/16/2014	08:55	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143460637002A	12/16/2014	08:55	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143460638001	12/16/2014	08:38	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143460637002	12/15/2014	07:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143460638001	12/15/2014	12:10	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	32	7	19	0.83
10237	Acetonitrile	75-05-8	24 U	24	95	0.83
10237	Acrolein	107-02-8	19 U	19	95	0.83
10237	Acrylonitrile	107-13-1	4 U	4	19	0.83
10237	Allyl Chloride	107-05-1	0.9 U	0.9	5	0.83
10237	Benzene	71-43-2	0.5 U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	5	0.83
10237	Bromoform	75-25-2	0.9 U	0.9	5	0.83
10237	Bromomethane	74-83-9	2 U	2	5	0.83
10237	2-Butanone	78-93-3	4 U	4	9	0.83
10237	Carbon Disulfide	75-15-0	0.9 U	0.9	5	0.83
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	5	0.83
10237	Chlorobenzene	108-90-7	0.9 U	0.9	5	0.83
10237	Chloroethane	75-00-3	2 U	2	5	0.83
10237	Chloroform	67-66-3	0.9 U	0.9	5	0.83
10237	Chloromethane	74-87-3	2 U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.83
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	5	0.83
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	5	0.83
10237	Dibromomethane	74-95-3	0.9 U	0.9	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	47	0.83
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	5	0.83
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	5	0.83
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	5	0.83
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	5	0.83
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	5	0.83
10237	Ethylbenzene	100-41-4	0.9 U	0.9	5	0.83
10237	2-Hexanone	591-78-6	3 U	3	9	0.83
10237	Isobutyl Alcohol	78-83-1	95 U	95	240	0.83
10237	Methacrylonitrile	126-98-7	5 U	5	47	0.83
10237	Methyl Iodide	74-88-4	3 U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.83
10237	Methylene Chloride	75-09-2	2 U	2	5	0.83
10237	Pentachloroethane	76-01-7	0.9 U	0.9	5	0.83
10237	Propionitrile	107-12-0	28 U	28	95	0.83
10237	Styrene	100-42-5	0.9 U	0.9	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	5	0.83
10237	1,1,2,2-Tetrachloroethane	79-34-5	0.9 U	0.9	5	0.83
10237	Tetrachloroethene	127-18-4	20 U	0.9	5	0.83
10237	Toluene	108-88-3	0.9 U	0.9	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	5	0.83
10237	Trichloroethene	79-01-6	0.9 U	0.9	5	0.83
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.83
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	5	0.83
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	J 4	19	1
10726	Acenaphthylene	208-96-8	29	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	24	4	19	1
10726	Benzo(a)anthracene	56-55-3	190	4	19	1
10726	Benzo(a)pyrene	50-32-8	170	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	250	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	130	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	100	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	80	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	180	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	36	4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	64	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	220	U 4	19	1
10726	Fluorene	86-73-7	8	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	120	U 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	16	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	52	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	230	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	J 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	39.4	0.0364	1.10	1
06947	Beryllium	7440-41-7	1.30	0.0738	1.10	1
06949	Cadmium	7440-43-9	0.0364	U 0.0364	1.10	1
06951	Chromium	7440-47-3	5.93	0.121	3.31	1
06952	Cobalt	7440-48-4	2.99	0.106	1.10	1
06953	Copper	7440-50-8	3.53	0.364	2.20	1
06961	Nickel	7440-02-0	59.0	0.165	2.20	1
06966	Silver	7440-22-4	0.520	J 0.209	1.10	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SS3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.65 J	0.474	22.0	1
06971	Vanadium	7440-62-2	14.9	0.100	1.10	1
06972	Zinc	7440-66-6	32.8	0.287	4.41	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.02	0.0930	0.441	2
06125	Arsenic	7440-38-2	1.41	0.0941	0.882	2
06135	Lead	7439-92-1	16.3	0.0141	0.441	2
06141	Selenium	7782-49-2	0.288 J	0.110	0.882	2
06145	Thallium	7440-28-0	0.294	0.0331	0.220	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0313 J	0.0108	0.215	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	11.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 19:25	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/03/2014 12:16	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/03/2014 12:16	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/03/2014 12:16	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 16:16	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/17/2014 03:31	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143440027A	12/16/2014 19:30	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143460637002	12/16/2014 04:27	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143460637002	12/16/2014 04:27	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU19-SS-3 Soil
SOIL 2014

LL Sample # SW 7700525
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 12:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SS3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143460637002	12/16/2014	04:27	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143460637002A	12/16/2014	09:02	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143460637002A	12/16/2014	09:02	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143460637002A	12/16/2014	09:02	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143460637002B	12/16/2014	09:02	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143460637002A	12/16/2014	09:02	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143460638001	12/16/2014	08:40	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143460637002	12/15/2014	07:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143460638001	12/15/2014	12:10	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002B	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-8-120114 Blank Water
SOIL 2014

LL Sample # WW 7700526
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/01/2014 13:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19ST8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-8-120114 Blank Water
SOIL 2014

LL Sample # WW 7700526
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/01/2014 13:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19ST8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/09/2014 01:02	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/09/2014 01:02	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-8-120114-A Blank Water
SOIL 2014

LL Sample # WW 7700527
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/01/2014 13:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19AT8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143422AA	12/08/2014 23:59	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143422AA	12/08/2014 23:59	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-3-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700528**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-3-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700528**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	20	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	75	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-3-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700528**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Fluoranthene	206-44-0	0.1 U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1 U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1 U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	15 U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1 U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	Naphthalene	91-20-3	0.1 U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25 U	25	60	1
10461	1-Naphthylamine	134-32-7	5 U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-3-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700528**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5
10461	Pentachlorophenol	87-86-5	1	U	1	5
10461	Phenacetin	62-44-2	0.5	U	0.5	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.5
10461	Phenol	108-95-2	0.5	U	0.5	1
10461	1,4-Phenylenediamine	106-50-3	75	U	75	300
10461	2-Picoline	109-06-8	2	U	2	5
10461	Pronamide	23950-58-5	0.5	U	0.5	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5
10461	Pyridine	110-86-1	2	U	2	5
10461	Safrole	94-59-7	2	U	2	5
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5
10461	Thionazin	297-97-2	2	U	2	5
10461	o-Toluidine	95-53-4	0.5	U	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15
	The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.					
GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10
12926	Propylene glycol	57-55-6	8.0	U	8.0	10
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10
Metals	SW-846 6010C	mg/l	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0024	J	0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100
07049	Cadmium	7440-43-9	0.00033	U	0.00033	0.0100
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200
07061	Nickel	7440-02-0	0.0062	J	0.0016	0.0200
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-3-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700528**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0077 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.00039 J	0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was originally submitted to the laboratory on 12/05/14 at 09:40.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/09/2014 01:23	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/09/2014 01:23	Amanda K Richards	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14343WAI026	12/10/2014 20:29	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14343WAI026	12/10/2014 09:10	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143460024A	12/12/2014 19:39	Tracy A Cole	1
07046	Barium	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07047	Beryllium	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07049	Cadmium	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07051	Chromium	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07052	Cobalt	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07053	Copper	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07061	Nickel	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07066	Silver	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07069	Tin	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07071	Vanadium	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
07072	Zinc	SW-846 6010C	1	143430636001	12/11/2014 03:40	Tara L Snyder	1
06024	Antimony	SW-846 6020A	1	143430639001A	12/10/2014 06:56	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143430639001A	12/10/2014 06:56	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143430639001A	12/10/2014 06:56	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143430639001B	12/10/2014 06:56	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143430639001A	12/10/2014 06:56	Choon Y Tian	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-3-120414 Blank Water
SOIL 2014

LL Sample # WW 7700528
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
00259	Mercury	SW-846 7470A	1	143435713004	12/10/2014	09:20	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143430636001	12/09/2014	15:23	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143430639001	12/09/2014	15:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143435713004	12/09/2014	16:40	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-3-120414-A Blank Water
SOIL 2014

LL Sample # WW 7700529
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 08:16 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19AE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was originally submitted to the laboratory on 12/05/14 at 09:40.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143422AA	12/09/2014 00:46	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143422AA	12/09/2014 00:46	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	20	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

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Submitted: 12/05/2014 22:25
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19SE4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenanthrene	85-01-8	0.1 U	0.1	0.5	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyrene	129-00-0	0.1 U	0.1	0.5	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1
	The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.					
GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1
Metals	SW-846 6010C	mg/l	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0024 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07049	Cadmium	7440-43-9	0.00033 U	0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0030 J	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0082 J	0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

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URS Corporation
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Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0063 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.00015 J	0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was originally submitted to the laboratory on 12/05/14 at 09:40.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/09/2014 01:44	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/09/2014 01:44	Amanda K Richards	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14343WAI026	12/10/2014 20:58	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14343WAI026	12/10/2014 09:10	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143460024A	12/12/2014 19:54	Tracy A Cole	1
07046	Barium	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07047	Beryllium	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07049	Cadmium	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07051	Chromium	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07052	Cobalt	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07053	Copper	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07061	Nickel	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07066	Silver	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07069	Tin	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07071	Vanadium	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
07072	Zinc	SW-846 6010C	1	143430636001	12/11/2014 03:44	Tara L Snyder	1
06024	Antimony	SW-846 6020A	1	143430639001A	12/10/2014 06:58	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143430639001A	12/10/2014 06:58	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143430639001A	12/10/2014 06:58	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143430639001B	12/10/2014 06:58	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143430639001A	12/10/2014 06:58	Choon Y Tian	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-4-120414 Blank Water**
SOIL 2014

LL Sample # **WW 7700532**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/04/2014 08:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
00259	Mercury	SW-846 7470A	1	143435713004	12/10/2014	09:22	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143430636001	12/09/2014	15:23	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143430639001	12/09/2014	15:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143435713004	12/09/2014	16:40	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-4-120414-A Blank Water
SOIL 2014

LL Sample # WW 7700533
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/04/2014 08:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19AE4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was originally submitted to the laboratory on 12/05/14 at 09:40.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143422AA	12/09/2014 01:10	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143422AA	12/09/2014 01:10	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314 Blank Water**
SOIL 2014

LL Sample # **WW 7700536**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314 Blank Water**
SOIL 2014

LL Sample # **WW 7700536**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.2	J	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.6		0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.6		0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.6		0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.4	J	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.3	J	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	21	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.6		0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	55		2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	77	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314 Blank Water**
SOIL 2014

LL Sample # **WW 7700536**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.3	J	0.1	0.5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	26	U	26	62	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	62	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314 Blank Water**
SOIL 2014

LL Sample # **WW 7700536**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenanthrene	85-01-8	0.7		0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	77	U	77	310	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	1		0.1	0.5	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
Pesticides/PCBs	SW-846 8082A		ug/l		ug/l	ug/l	
10591	PCB-1016	12674-11-2	0.10	U	0.10	0.50	1
10591	PCB-1221	11104-28-2	0.10	U	0.10	0.50	1
10591	PCB-1232	11141-16-5	0.20	U	0.20	0.50	1
10591	PCB-1242	53469-21-9	0.10	U	0.10	0.50	1
10591	PCB-1248	12672-29-6	0.10	U	0.10	0.50	1
10591	PCB-1254	11097-69-1	0.10	U	0.10	0.50	1
10591	PCB-1260	11096-82-5	0.15	U	0.15	0.50	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/l		mg/l	mg/l	
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0047	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314 Blank Water**
SOIL 2014

LL Sample # **WW 7700536**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19SE1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07049	Cadmium	7440-43-9	0.00033 U	0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0038 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0050 J	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0584	0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0168 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.00074 J	0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/08/2014 23:58	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/08/2014 23:58	Amanda K Richards	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14339WAZ026	12/08/2014 23:17	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14339WAZ026	12/05/2014 09:30	David S Schrum	1
10591	PCBs	SW-846 8082A	1	143390006A	12/08/2014 12:27	Jessica L Miller	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	143390006A	12/05/2014 17:20	JoElla L Rice	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143460024A	12/12/2014 20:08	Tracy A Cole	1
07046	Barium	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07047	Beryllium	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07049	Cadmium	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07051	Chromium	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07052	Cobalt	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07053	Copper	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07061	Nickel	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1
07066	Silver	SW-846 6010C	1	143430636001	12/11/2014 03:31	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-1-120314 Blank Water
SOIL 2014

LL Sample # WW 7700536
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19SE1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07069	Tin	SW-846 6010C	1	143430636001	12/11/2014	03:31	Tara L Snyder	1
07071	Vanadium	SW-846 6010C	1	143430636001	12/11/2014	03:31	Tara L Snyder	1
07072	Zinc	SW-846 6010C	1	143430636001	12/11/2014	03:31	Tara L Snyder	1
06024	Antimony	SW-846 6020A	1	143430639001A	12/10/2014	06:51	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143430639001A	12/10/2014	06:51	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143430639001A	12/10/2014	06:51	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143430639001B	12/10/2014	06:51	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143430639001A	12/10/2014	06:51	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143435713004	12/10/2014	09:04	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143430636001	12/09/2014	15:23	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143430639001	12/09/2014	15:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143435713004	12/09/2014	16:40	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-1-120314-A Blank Water**
SOIL 2014

LL Sample # **WW 7700537**
LL Group # **1523521**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/03/2014 08:21 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

19AE1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143422AA	12/09/2014 01:33	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143422AA	12/09/2014 01:33	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-1-120314 Blank Water
SOIL 2014

LL Sample # WW 7700538
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 07:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19ST1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-1-120314 Blank Water
SOIL 2014

LL Sample # WW 7700538
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 07:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19ST1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/09/2014 00:20	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/09/2014 00:20	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-1-120314-A Blank Water
SOIL 2014

LL Sample # WW 7700539
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/03/2014 07:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/19/2014 08:54

19AT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143431AA	12/09/2014 11:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143431AA	12/09/2014 11:45	Jason M Long	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: A143431AA									
Sample number(s): 7700504-7700507,7700509-7700510,7700512-7700516,7700518-7700519,7700521-7700525									
Acetone	7	U	7.	20	ug/kg	81	53-141		
Acetonitrile	25	U	25.	100	ug/kg	108	61-147		
Acrolein	20	U	20.	100	ug/kg	99	58-122		
Acrylonitrile	4	U	4.	20	ug/kg	79	58-123		
Allyl Chloride	1	U	1.	5	ug/kg	92	61-132		
Benzene	0.5	U	0.5	5	ug/kg	97	80-120		
Bromodichloromethane	1	U	1.	5	ug/kg	92	75-120		
Bromoform	1	U	1.	5	ug/kg	82	70-126		
Bromomethane	2	U	2.	5	ug/kg	89	32-162		
2-Butanone	4	U	4.	10	ug/kg	75	62-123		
Carbon Disulfide	1	U	1.	5	ug/kg	94	63-128		
Carbon Tetrachloride	1	U	1.	5	ug/kg	103	69-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	95	73-120		
Chlorobenzene	1	U	1.	5	ug/kg	99	80-120		
Chloroethane	2	U	2.	5	ug/kg	89	17-171		
Chloroform	1	U	1.	5	ug/kg	101	80-125		
Chloromethane	2	U	2.	5	ug/kg	88	56-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	72	59-122		
Dibromochloromethane	1	U	1.	5	ug/kg	93	77-120		
1,2-Dibromoethane	1	U	1.	5	ug/kg	94	80-120		
Dibromomethane	1	U	1.	5	ug/kg	96	80-120		
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	92	70-128		
Dichlorodifluoromethane	2	U	2.	5	ug/kg	97	26-137		
1,1-Dichloroethane	1	U	1.	5	ug/kg	95	80-122		
1,2-Dichloroethane	1	U	1.	5	ug/kg	103	77-130		
1,1-Dichloroethene	1	U	1.	5	ug/kg	102	73-129		
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	101	80-120		
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	103	80-129		
1,2-Dichloropropane	1	U	1.	5	ug/kg	91	80-120		
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	88	74-120		
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	91	76-120		
Ethyl Methacrylate	1	U	1.	5	ug/kg	81	65-120		
Ethylbenzene	1	U	1.	5	ug/kg	98	80-120		
2-Hexanone	3	U	3.	10	ug/kg	57	51-120		
Isobutyl Alcohol	100	U	100.	250	ug/kg	80	64-121		
Methacrylonitrile	5	U	5.	50	ug/kg	89	73-127		
Methyl Iodide	3	U	3.	5	ug/kg	103	72-130		
Methyl Methacrylate	1	U	1.	5	ug/kg	84	60-120		
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	62	57-123		
Methylene Chloride	2	U	2.	5	ug/kg	101	80-124		
Pentachloroethane	1	U	1.	5	ug/kg	97	71-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propionitrile	30 U	30.	100	ug/kg	95		63-131		
Styrene	1 U	1.	5	ug/kg	97		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	97		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	84		71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	96		78-120		
Toluene	1 U	1.	5	ug/kg	97		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	95		63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	94		80-120		
Trichloroethene	1 U	1.	5	ug/kg	100		80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	105		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	90		71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	62		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	95		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	98		80-120		

Batch number: A143441AA

Sample number(s): 7700511,7700520

Acetone	7 U	7.	20	ug/kg	81		53-141		
Acetonitrile	25 U	25.	100	ug/kg	101		61-147		
Acrolein	20 U	20.	100	ug/kg	90		58-122		
Acrylonitrile	4 U	4.	20	ug/kg	81		58-123		
Allyl Chloride	1 U	1.	5	ug/kg	92		61-132		
Benzene	0.5 U	0.5	5	ug/kg	96		80-120		
Bromodichloromethane	1 U	1.	5	ug/kg	93		75-120		
Bromoform	1 U	1.	5	ug/kg	84		70-126		
Bromomethane	2 U	2.	5	ug/kg	86		32-162		
2-Butanone	4 U	4.	10	ug/kg	79		62-123		
Carbon Disulfide	1 U	1.	5	ug/kg	92		63-128		
Carbon Tetrachloride	1 U	1.	5	ug/kg	103		69-130		
2-Chloro-1,3-butadiene	1 U	1.	5	ug/kg	93		73-120		
Chlorobenzene	1 U	1.	5	ug/kg	98		80-120		
Chloroethane	2 U	2.	5	ug/kg	83		17-171		
Chloroform	1 U	1.	5	ug/kg	99		80-125		
Chloromethane	2 U	2.	5	ug/kg	87		56-120		
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/kg	79		59-122		
Dibromochloromethane	1 U	1.	5	ug/kg	93		77-120		
1,2-Dibromoethane	1 U	1.	5	ug/kg	95		80-120		
Dibromomethane	1 U	1.	5	ug/kg	97		80-120		
trans-1,4-Dichloro-2-butene	10 U	10.	50	ug/kg	95		70-128		
Dichlorodifluoromethane	2 U	2.	5	ug/kg	93		26-137		
1,1-Dichloroethane	1 U	1.	5	ug/kg	93		80-122		
1,2-Dichloroethane	1 U	1.	5	ug/kg	103		77-130		
1,1-Dichloroethene	1 U	1.	5	ug/kg	101		73-129		
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	99		80-120		
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	100		80-129		
1,2-Dichloropropane	1 U	1.	5	ug/kg	92		80-120		
cis-1,3-Dichloropropene	1 U	1.	5	ug/kg	87		74-120		
trans-1,3-Dichloropropene	1 U	1.	5	ug/kg	91		76-120		
Ethyl Methacrylate	1 U	1.	5	ug/kg	82		65-120		
Ethylbenzene	1 U	1.	5	ug/kg	98		80-120		
2-Hexanone	3 U	3.	10	ug/kg	59		51-120		
Isobutyl Alcohol	100 U	100.	250	ug/kg	80		64-121		
Methacrylonitrile	5 U	5.	50	ug/kg	91		73-127		
Methyl Iodide	3 U	3.	5	ug/kg	100		72-130		
Methyl Methacrylate	1 U	1.	5	ug/kg	85		60-120		
4-Methyl-2-pentanone	3 U	3.	10	ug/kg	64		57-123		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Methylene Chloride	2 U	2.	5	ug/kg	100		80-124		
Pentachloroethane	1 U	1.	5	ug/kg	97		71-120		
Propionitrile	30 U	30.	100	ug/kg	90		63-131		
Styrene	1 U	1.	5	ug/kg	98		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	99		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	85		71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	97		78-120		
Toluene	1 U	1.	5	ug/kg	97		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	99		63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	92		80-120		
Trichloroethene	1 U	1.	5	ug/kg	99		80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	103		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	91		71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	52		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	93		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	98		80-120		
Batch number: Q143461AA									
Acetone	Sample number(s): 7700517 350 U	350.	1,000	ug/kg	89	82	53-141	9	30
Acetonitrile	1,300 U	1,300.	5,000	ug/kg	91	89	61-147	3	30
Acrolein	1,000 U	1,000.	5,000	ug/kg	85	77	58-122	9	30
Acrylonitrile	200 U	200.	1,000	ug/kg	86	81	58-123	5	30
Allyl Chloride	50 U	50.	250	ug/kg	110	102	61-132	7	30
Benzene	25 U	25.	250	ug/kg	100	93	80-120	8	30
Bromodichloromethane	50 U	50.	250	ug/kg	100	93	75-120	7	30
Bromoform	50 U	50.	250	ug/kg	93	88	70-126	5	30
Bromomethane	100 U	100.	250	ug/kg	137	123	32-162	11	30
2-Butanone	200 U	200.	500	ug/kg	91	85	62-123	7	30
Carbon Disulfide	50 U	50.	250	ug/kg	87	80	63-128	9	30
Carbon Tetrachloride	50 U	50.	250	ug/kg	109	99	69-130	9	30
2-Chloro-1,3-butadiene	50 U	50.	250	ug/kg	104	97	73-120	7	30
Chlorobenzene	50 U	50.	250	ug/kg	102	94	80-120	9	30
Chloroethane	100 U	100.	250	ug/kg	112	96	17-171	15	30
Chloroform	50 U	50.	250	ug/kg	108	100	80-125	8	30
Chloromethane	100 U	100.	250	ug/kg	92	83	56-120	10	30
1,2-Dibromo-3-chloropropane	100 U	100.	250	ug/kg	96	88	59-122	9	30
Dibromochloromethane	50 U	50.	250	ug/kg	98	91	77-120	8	30
1,2-Dibromoethane	50 U	50.	250	ug/kg	103	96	80-120	7	30
Dibromomethane	50 U	50.	250	ug/kg	102	92	80-120	10	30
trans-1,4-Dichloro-2-butene	500 U	500.	2,500	ug/kg	124	114	70-128	8	30
Dichlorodifluoromethane	100 U	100.	250	ug/kg	73	54	26-137	30	30
1,1-Dichloroethane	50 U	50.	250	ug/kg	105	97	80-122	7	30
1,2-Dichloroethane	50 U	50.	250	ug/kg	116	109	77-130	7	30
1,1-Dichloroethene	50 U	50.	250	ug/kg	98	89	73-129	9	30
cis-1,2-Dichloroethene	50 U	50.	250	ug/kg	101	94	80-120	7	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,2-Dichloroethene	50 U	50.	250	ug/kg	102	94	80-129	8	30
1,2-Dichloropropane	50 U	50.	250	ug/kg	100	94	80-120	6	30
cis-1,3-Dichloropropene	50 U	50.	250	ug/kg	99	95	74-120	4	30
trans-1,3-Dichloropropene	50 U	50.	250	ug/kg	105	99	76-120	6	30
Ethyl Methacrylate	50 U	50.	250	ug/kg	96	90	65-120	7	30
Ethylbenzene	50 U	50.	250	ug/kg	100	93	80-120	7	30
2-Hexanone	150 U	150.	500	ug/kg	99	94	51-120	5	30
Isobutyl Alcohol	5,000 U	5,000.	13,000	ug/kg	104	100	64-121	3	30
Methacrylonitrile	250 U	250.	2,500	ug/kg	96	90	73-127	6	30
Methyl Iodide	150 U	150.	250	ug/kg	102	94	72-130	8	30
Methyl Methacrylate	50 U	50.	250	ug/kg	93	91	60-120	2	30
4-Methyl-2-pentanone	150 U	150.	500	ug/kg	91	87	57-123	4	30
Methylene Chloride	100 U	100.	250	ug/kg	105	94	80-124	11	30
Pentachloroethane	50 U	50.	250	ug/kg	102	93	71-120	8	30
Propionitrile	1,500 U	1,500.	5,000	ug/kg	94	92	63-131	3	30
Styrene	50 U	50.	250	ug/kg	100	90	76-120	10	30
1,1,1,2-Tetrachloroethane	50 U	50.	250	ug/kg	103	94	80-120	8	30
1,1,2,2-Tetrachloroethane	50 U	50.	250	ug/kg	98	88	71-123	11	30
Tetrachloroethene	50 U	50.	250	ug/kg	101	93	78-120	8	30
Toluene	50 U	50.	250	ug/kg	100	96	80-120	5	30
1,1,1-Trichloroethane	50 U	50.	250	ug/kg	114	104	63-135	9	30
1,1,2-Trichloroethane	50 U	50.	250	ug/kg	100	92	80-120	9	30
Trichloroethene	50 U	50.	250	ug/kg	106	98	80-125	8	30
Trichlorofluoromethane	100 U	100.	250	ug/kg	102	88	58-133	15	30
1,2,3-Trichloropropane	50 U	50.	250	ug/kg	107	101	71-123	7	30
Vinyl Acetate	100 U	100.	500	ug/kg	71	69	40-127	3	30
Vinyl Chloride	50 U	50.	250	ug/kg	92	82	59-120	11	30
Xylene (Total)	50 U	50.	250	ug/kg	100	91	80-120	10	30
Batch number: T143422AA	Sample number(s): 7700527,7700529,7700533,7700537								
Acrolein	40 U	40.	100	ug/l	87	92	59-120	5	30
Acrylonitrile	4 U	4.	20	ug/l	103	102	62-120	0	30
Batch number: T143431AA	Sample number(s): 7700539								
Acrolein	40 U	40.	100	ug/l	107		59-120		
Acrylonitrile	4 U	4.	20	ug/l	101		62-120		
Batch number: Y143422AA	Sample number(s): 7700526,7700528,7700532,7700536,7700538								
Acetone	6 U	6.	20	ug/l	69	69	55-129	0	30
Acetonitrile	25 U	25.	100	ug/l	125	126	49-163	1	30
Acrolein	40 U	40.	100	ug/l	86	87	59-120	1	30
Acrylonitrile	4 U	4.	20	ug/l	71	73	62-120	3	30
Allyl Chloride	1 U	1.	5	ug/l	122*	129*	56-120	5	30
Benzene	0.5 U	0.5	1	ug/l	103	105	78-120	2	30
Bromodichloromethane	0.5 U	0.5	1	ug/l	108	111	73-120	2	30
Bromoform	0.5 U	0.5	4	ug/l	100	102	61-120	2	30
Bromomethane	0.5 U	0.5	1	ug/l	109	114	53-130	4	30

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Analysis Name	Blank		Blank	Report	LCS	LCSD	LCS/LCSD	RPD	RPD	
	Result	MDL**	LOQ							Units
2-Butanone	3	U	3.	10	ug/l	69	71	54-133	2	30
Carbon Disulfide	1	U	1.	5	ug/l	98	102	58-126	4	30
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	127	129	74-130	2	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/l	107	111	73-120	4	30
Chlorobenzene	0.5	U	0.5	1	ug/l	105	107	80-120	2	30
Chloroethane	0.5	U	0.5	1	ug/l	103	105	56-120	2	30
Chloroform	0.5	U	0.5	1	ug/l	113	116	80-122	2	30
Chloromethane	0.5	U	0.5	1	ug/l	103	105	63-120	3	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	67	66	56-120	2	30
Dibromochloromethane	0.5	U	0.5	1	ug/l	112	113	72-120	1	30
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	101	102	80-120	2	30
Dibromomethane	0.5	U	0.5	1	ug/l	103	104	80-120	1	30
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	85	84	47-139	1	30
Dichlorodifluoromethane	0.5	U	0.5	1	ug/l	100	103	55-127	2	30
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	107	112	80-120	4	30
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	121	124	65-135	3	30
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	112	115	76-124	2	30
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	105	107	80-120	2	30
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	115	119	80-120	4	30
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	102	104	80-120	2	30
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	95	99	80-120	3	30
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	97	99	76-120	2	30
Ethyl Methacrylate	1	U	1.	5	ug/l	85	87	73-120	2	30
Ethylbenzene	0.5	U	0.5	1	ug/l	103	104	79-120	1	30
2-Hexanone	3	U	3.	10	ug/l	73	74	57-127	1	30
Isobutyl Alcohol	100	U	100.	250	ug/l	93	93	63-134	0	30
Methacrylonitrile	10	U	10.	50	ug/l	78	80	75-120	2	30
Methyl Iodide	0.5	U	0.5	1	ug/l	120	123	75-128	3	30
Methyl Methacrylate	1	U	1.	5	ug/l	81	83	71-120	3	30
4-Methyl-2-pentanone	3	U	3.	10	ug/l	77	79	51-124	2	30
Methylene Chloride	2	U	2.	4	ug/l	107	110	80-120	3	30
Pentachloroethane	1	U	1.	5	ug/l	101	100	74-120	1	30
Propionitrile	30	U	30.	100	ug/l	88	89	73-133	1	30
Styrene	1	U	1.	5	ug/l	106	107	80-120	1	30
1,1,1,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	114	116	80-120	2	30
1,1,2,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	80	81	70-120	1	30
Tetrachloroethene	0.5	U	0.5	1	ug/l	118	119	80-120	1	30
Toluene	0.5	U	0.5	1	ug/l	103	105	80-120	2	30
1,1,1-Trichloroethane	0.5	U	0.5	1	ug/l	106	109	66-126	2	30
1,1,2-Trichloroethane	0.5	U	0.5	1	ug/l	102	102	80-120	0	30
Trichloroethene	0.5	U	0.5	1	ug/l	109	112	80-120	3	30
Trichlorofluoromethane	0.5	U	0.5	1	ug/l	126	127	58-135	1	30
1,2,3-Trichloropropane	1	U	1.	5	ug/l	82	82	76-120	1	30
Vinyl Acetate	2	U	2.	10	ug/l	101	99	56-135	2	30
Vinyl Chloride	0.5	U	0.5	1	ug/l	94	98	63-120	4	30
Xylene (Total)	0.5	U	0.5	1	ug/l	104	106	80-120	1	30

Batch number: 14339WAZ026

Sample number(s): 7700536

Acenaphthene	0.1	U	0.1	0.5	ug/l	94		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	94		84-125		
Acetophenone	0.5	U	0.5	1	ug/l	91		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	108		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	58		34-95		
Aniline	0.5	U	0.5	1	ug/l	53		34-97		
Anthracene	0.1	U	0.1	0.5	ug/l	95		82-116		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Benzo(a) anthracene	0.1 U	0.1	0.5	ug/l	95		81-126		
Benzo(a) pyrene	0.1 U	0.1	0.5	ug/l	94		82-116		
Benzo(b) fluoranthene	0.1 U	0.1	0.5	ug/l	89		82-121		
Benzo(g,h,i) perylene	0.1 U	0.1	0.5	ug/l	95		76-128		
Benzo(k) fluoranthene	0.1 U	0.1	0.5	ug/l	93		81-122		
Benzyl alcohol	10 U	10.	20	ug/l	84		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	90		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	95		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	96		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	92		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	91		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	57		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	98		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	93		77-115		
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	89		78-112		
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	91		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	89		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	94		78-119		
Chrysene	0.1 U	0.1	0.5	ug/l	99		81-120		
Diallate trans/cis	1 U	1.	5	ug/l	101		80-126		
Dibenz(a,h)anthracene	0.1 U	0.1	0.5	ug/l	96		80-130		
Dibenzofuran	0.5 U	0.5	1	ug/l	94		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	86		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	82		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	84		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	84		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	93		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	97		83-121		
Diethylphthalate	2 U	2.	5	ug/l	94		70-118		
Dimethoate	3 U	3.	10	ug/l	74		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	90		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	38		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	88		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	88		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	90		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	102		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	93		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	84		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	98		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	98		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	66		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	92		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	92		77-113		
bis(2-Ethylhexyl) phthalate	2 U	2.	5	ug/l	101		78-124		
Fluoranthene	0.1 U	0.1	0.5	ug/l	94		82-121		
Fluorene	0.1 U	0.1	0.5	ug/l	97		80-117		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	92		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	53		18-130		
Hexachloroethane	1 U	1.	5	ug/l	77		55-109		
Hexachloropropene	2 U	2.	5	ug/l	79		47-121		
Indeno(1,2,3-cd)pyrene	0.1 U	0.1	0.5	ug/l	92		80-126		
Isodrin	0.5 U	0.5	1	ug/l	101		83-119		
Isophorone	0.5 U	0.5	1	ug/l	96		81-124		
Isosafrole	2 U	2.	5	ug/l	98		68-150		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Methapyrilene	15 U	15.	50	ug/l	128		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	78		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	100		84-117		
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	88		75-106		
2-Methylphenol	0.5 U	0.5	1	ug/l	88		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	85		56-109		
Naphthalene	0.1 U	0.1	0.5	ug/l	89		75-108		
1,4-Naphthoquinone	25 U	25.	60	ug/l	38		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	35		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	40		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	63		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	69		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	82		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	96		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	69		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	83		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	89		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	86		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	68		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	91		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	88		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	84		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	95		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	97		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	97		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	97		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	86		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	92		81-120		
Phenanthrene	0.1 U	0.1	0.5	ug/l	91		81-114		
Phenol	0.5 U	0.5	1	ug/l	54		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	83		57-110		
Pronamide	0.5 U	0.5	1	ug/l	97		78-125		
Pyrene	0.1 U	0.1	0.5	ug/l	91		81-112		
Pyridine	2 U	2.	5	ug/l	67		22-96		
Safrole	2 U	2.	5	ug/l	92		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	89		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	98		76-128		
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	93		75-114		
Thionazin	2 U	2.	5	ug/l	96		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	44		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	88		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	94		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	95		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	97		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	82		12-129		
Batch number: 14343WAI026	Sample number(s): 7700528,7700532								
Acenaphthene	0.1 U	0.1	0.5	ug/l	92	94	80-112	2	30
Acenaphthylene	0.1 U	0.1	0.5	ug/l	96	98	84-125	3	30
Acetophenone	0.5 U	0.5	1	ug/l	90	93	78-112	4	30
2-Acetylaminofluorene	2 U	2.	5	ug/l	107	109	78-131	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	57	60	34-95	5	30
Aniline	0.5 U	0.5	1	ug/l	56	62	34-97	10	30
Anthracene	0.1 U	0.1	0.5	ug/l	94	96	82-116	3	30
Benzo(a)anthracene	0.1 U	0.1	0.5	ug/l	94	97	81-126	3	30
Benzo(a)pyrene	0.1 U	0.1	0.5	ug/l	95	97	82-116	1	30
Benzo(b)fluoranthene	0.1 U	0.1	0.5	ug/l	94	95	82-121	2	30
Benzo(g,h,i)perylene	0.1 U	0.1	0.5	ug/l	93	89	76-128	4	30
Benzo(k)fluoranthene	0.1 U	0.1	0.5	ug/l	94	96	81-122	2	30
Benzyl alcohol	10 U	10.	20	ug/l	85	88	58-122	4	30
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	88	91	56-134	4	30
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	94	95	82-118	1	30
Butylbenzylphthalate	2 U	2.	5	ug/l	96	100	73-122	4	30
Di-n-butylphthalate	2 U	2.	5	ug/l	91	95	80-119	3	30
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	90	93	78-118	3	30
4-Chloroaniline	0.5 U	0.5	1	ug/l	57	64	44-114	13	30
Chlorobenzilate	3 U	3.	10	ug/l	99	104	38-149	4	30
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	89	93	77-115	4	30
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	88	90	78-112	2	30
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	86	90	54-128	5	30
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	88	89	66-125	1	30
2-Chlorophenol	0.5 U	0.5	1	ug/l	89	91	76-111	3	30
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	94	96	78-119	2	30
Chrysene	0.1 U	0.1	0.5	ug/l	98	100	81-120	3	30
Diallate trans/cis	1 U	1.	5	ug/l	101	102	80-126	2	30
Dibenz(a,h)anthracene	0.1 U	0.1	0.5	ug/l	95	93	80-130	2	30
Dibenzofuran	0.5 U	0.5	1	ug/l	93	95	81-110	2	30
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	84	85	62-116	2	30
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	79	80	57-115	1	30
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	81	82	60-115	1	30
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	84	83	39-111	1	30
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	92	94	84-119	2	30
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	97	99	83-121	2	30
Diethylphthalate	2 U	2.	5	ug/l	89	95	70-118	7	30
Dimethoate	3 U	3.	10	ug/l	75	82	10-116	8	30
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	93	96	76-120	2	30
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	40	35	10-76	13	30
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	80	83	58-120	4	30
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	88	91	75-110	3	30
Dimethylphthalate	2 U	2.	5	ug/l	84	90	43-128	7	30
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	101	107	63-131	5	30
1,3-Dinitrobenzene	2 U	2.	5	ug/l	91	93	80-124	2	30
2,4-Dinitrophenol	10 U	10.	30	ug/l	84	88	39-130	5	30
2,4-Dinitrotoluene	1 U	1.	5	ug/l	95	99	84-126	3	30
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	96	99	81-124	3	30
1,4-Dioxane	1 U	1.	5	ug/l	71	73	39-83	2	30
Diphenyl ether	0.5 U	0.5	1	ug/l	91	93	77-113	2	30
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	93	94	77-113	2	30
bis(2-Ethylhexyl) phthalate	2 U	2.	5	ug/l	99	103	78-124	4	30
Fluoranthene	0.1 U	0.1	0.5	ug/l	94	95	82-121	2	30
Fluorene	0.1 U	0.1	0.5	ug/l	94	96	80-117	2	30
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	90	93	80-119	3	30
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	74	78	55-124	6	30
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	62	57	18-130	8	30
Hexachloroethane	1 U	1.	5	ug/l	68	72	55-109	5	30
Hexachloropropene	2 U	2.	5	ug/l	81	80	47-121	1	30
Indeno(1,2,3-cd)pyrene	0.1 U	0.1	0.5	ug/l	91	90	80-126	1	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Isodrin	0.5 U	0.5	1	ug/l	104	104	83-119	0	30
Isophorone	0.5 U	0.5	1	ug/l	95	99	81-124	3	30
Isosafrole	2 U	2.	5	ug/l	97	99	68-150	2	30
Methapyrilene	15 U	15.	50	ug/l	85	116	70-130	31*	30
Methyl methanesulfonate	1 U	1.	5	ug/l	77	79	42-112	2	30
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	101	101	84-117	0	30
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	87	89	75-106	3	30
2-Methylphenol	0.5 U	0.5	1	ug/l	89	93	72-111	4	30
4-Methylphenol	0.5 U	0.5	1	ug/l	87	92	56-109	5	30
Naphthalene	0.1 U	0.1	0.5	ug/l	88	90	75-108	3	30
1,4-Naphthoquinone	25 U	25.	60	ug/l	6*	29	10-69	135*	30
1-Naphthylamine	5 U	5.	15	ug/l	34	38	10-92	11	30
2-Naphthylamine	5 U	5.	15	ug/l	40	44	17-87	9	30
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	66	67	35-103	2	30
2-Nitroaniline	0.5 U	0.5	1	ug/l	95	99	84-122	5	30
3-Nitroaniline	0.5 U	0.5	1	ug/l	67	72	61-117	7	30
4-Nitroaniline	0.5 U	0.5	1	ug/l	81	83	66-110	3	30
Nitrobenzene	0.5 U	0.5	1	ug/l	90	93	77-119	3	30
2-Nitrophenol	0.5 U	0.5	1	ug/l	95	98	82-121	3	30
4-Nitrophenol	10 U	10.	30	ug/l	67	74	20-89	9	30
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	88	94	48-128	6	30
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	89	91	71-117	2	30
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	84	87	74-114	4	30
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	93	95	79-116	3	30
N-Nitrosodimethylamine	2 U	2.	5	ug/l	71	74	38-98	4	30
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	90	92	80-115	3	30
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	89	92	72-115	3	30
N-Nitrosomorpholine	2 U	2.	5	ug/l	86	88	69-116	2	30
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	93	96	85-113	4	30
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91	96	75-117	5	30
Di-n-octylphthalate	2 U	2.	5	ug/l	100	101	78-129	1	30
Pentachlorobenzene	0.5 U	0.5	1	ug/l	96	97	80-119	1	30
Pentachloronitrobenzene	2 U	2.	5	ug/l	98	101	84-135	3	30
Pentachlorophenol	1 U	1.	5	ug/l	94	91	60-130	2	30
Phenacetin	0.5 U	0.5	1	ug/l	93	97	81-120	4	30
Phenanthrene	0.1 U	0.1	0.5	ug/l	90	92	81-114	2	30
Phenol	0.5 U	0.5	1	ug/l	58	62	25-80	7	30
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	81	87	57-110	8	30
Pronamide	0.5 U	0.5	1	ug/l	99	102	78-125	3	30
Pyrene	0.1 U	0.1	0.5	ug/l	89	91	81-112	3	30
Pyridine	2 U	2.	5	ug/l	70	74	22-96	6	30
Safrole	2 U	2.	5	ug/l	92	94	81-117	2	30
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	86	90	77-113	4	30
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	99	101	76-128	2	30
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	93	97	75-114	4	30
Thionazin	2 U	2.	5	ug/l	93	99	68-116	6	30
o-Toluidine	0.5 U	0.5	1	ug/l	45	51	17-99	11	30
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	87	88	68-116	2	30
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	89	92	81-121	3	30
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	95	96	84-119	1	30
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	97	100	81-121	2	30
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	76	90	12-129	17	30

Batch number: 14344SLB026
Acenaphthene

Sample number(s): 7700504-7700507,7700509-7700525
3 U 3. 17 ug/kg

83-111

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Acenaphthylene	3	U	3.	17	ug/kg	107		83-127		
Acetophenone	17	U	17.	33	ug/kg	96		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	89		78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	38		14-89		
	U									
Aniline	170		170.	500	ug/kg	45		43-110		
	U									
Anthracene	3	U	3.	17	ug/kg	98		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	93		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	98		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	89		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	93		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	103		79-120		
Benzyl alcohol	170		170.	500	ug/kg	105		75-132		
	U									
1,1'-Biphenyl	17	U	17.	33	ug/kg	88		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	92		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	96		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	100		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	123		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	29		10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	115		81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	95		65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	91		77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	96		73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	85		63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	108		80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	100		83-115		
Chrysene	3	U	3.	17	ug/kg	96		77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	97		76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	94		81-123		
Dibenzofuran	17	U	17.	33	ug/kg	98		85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	94		79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	93		79-112		
3,3'-Dichlorobenzidine	100		100.	330	ug/kg	61		10-125		
	U									
2,4-Dichlorophenol	17	U	17.	33	ug/kg	111		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	111		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	102		81-118		
Dimethoate	170		170.	500	ug/kg	39		18-80		
	U									
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	94		81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	60		17-78		
	U									
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	101		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	103		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	94		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	104		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	105		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	110		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	109		83-120		
1,4-Dioxane	100		100.	330	ug/kg	67		33-86		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Diphenyl ether	17	U	17.	33	ug/kg	90	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	99	77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	95	81-121		
Fluoranthene	3	U	3.	17	ug/kg	98	75-118		
Fluorene	3	U	3.	17	ug/kg	105	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	86	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	88	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	97	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	95	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	91	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	91	76-122		
Isodrin	17	U	17.	33	ug/kg	106	85-128		
Isophorone	17	U	17.	33	ug/kg	101	83-119		
Isosafrole	67	U	67.	170	ug/kg	98	86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	91	70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	101	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	100	85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	99	83-109		
2-Methylphenol	17	U	17.	33	ug/kg	115	82-125		
4-Methylphenol	17	U	17.	33	ug/kg	106	75-119		
Naphthalene	3	U	3.	17	ug/kg	96	83-112		
1,4-Naphthoquinone	830	U	830.	3,300	ug/kg	98	72-111		
1-Naphthylamine	170	U	170.	500	ug/kg	42	36-106		
2-Naphthylamine	170	U	170.	500	ug/kg	30	16-84		
5-Nitro-o-toluidine	170	U	170.	500	ug/kg	49	39-99		
2-Nitroaniline	17	U	17.	33	ug/kg	113	84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	73	66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	85	48-112		
Nitrobenzene	17	U	17.	33	ug/kg	93	80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	102	83-120		
4-Nitrophenol	170	U	170.	500	ug/kg	114	64-121		
4-Nitroquinoline-1-oxide	330	U	330.	1,000	ug/kg	107	65-139		
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	101	70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	106	64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	92	77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	85	72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	93	83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	87	71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	104	75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	101	82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	109	71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	108	82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	91	79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	95	83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	95	46-133		
Phenacetin	67	U	67.	170	ug/kg	98	76-119		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Phenanthrene	3 U	3.	17	ug/kg	89		80-114		
Phenol	17 U	17.	33	ug/kg	105		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	72		64-108		
Pronamide	33 U	33.	170	ug/kg	80		72-119		
Pyrene	3 U	3.	17	ug/kg	92		81-114		
Pyridine	67 U	67.	170	ug/kg	86		51-109		
Safrole	67 U	67.	170	ug/kg	99		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	81		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	108		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	91		77-123		
Thionazin	67 U	67.	170	ug/kg	111		76-123		
o-Toluidine	200 U	200.	670	ug/kg	26		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	94		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	105		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	104		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	92		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	80		67-111		
Batch number: 143390006A Sample number(s): 7700536									
PCB-1016	0.080 U	0.080	0.40	ug/l	80	77	60-117	5	30
PCB-1221	0.080 U	0.080	0.40	ug/l					
PCB-1232	0.16 U	0.16	0.40	ug/l					
PCB-1242	0.080 U	0.080	0.40	ug/l					
PCB-1248	0.080 U	0.080	0.40	ug/l					
PCB-1254	0.080 U	0.080	0.40	ug/l					
PCB-1260	0.12 U	0.12	0.40	ug/l	90	84	64-134	7	30
Batch number: 143430016A Sample number(s): 7700504-7700507,7700509-7700514									
PCB-1016	3.6 U	3.6	17	ug/kg	96		76-121		
PCB-1221	4.6 U	4.6	17	ug/kg					
PCB-1232	8.0 U	8.0	17	ug/kg					
PCB-1242	3.3 U	3.3	17	ug/kg					
PCB-1248	3.3 U	3.3	17	ug/kg					
PCB-1254	3.3 U	3.3	17	ug/kg					
PCB-1260	4.9 U	4.9	17	ug/kg	106		79-132		
Batch number: 143430033A Sample number(s): 7700504-7700507,7700509,7700511,7700513-7700514									
Diethylene glycol	5.0 U	5.0	10	mg/kg	99		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	103		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	104		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	95		34-145		
Batch number: 143440027A Sample number(s): 7700510,7700512,7700515-7700521,7700523-7700525									
Diethylene glycol	5.0 U	5.0	10	mg/kg	97		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	96		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	94		34-145		
Batch number: 143460024A Sample number(s): 7700528,7700532,7700536									
Diethylene glycol	8.0 U	8.0	10	mg/l	94		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	103		54-129		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propylene glycol	8.0 U	8.0	10	mg/l	104		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	84		46-118		
Batch number: 143510049A Sample number(s): 7700522									
Diethylene glycol	5.0 U	5.0	10	mg/kg	97		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	98		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	95		34-145		
Batch number: 143430636001 Sample number(s): 7700528,7700532,7700536									
Barium	0.00033 U	0.00033	0.0100	mg/l	101	102	80-120	1	20
Beryllium	0.00067 U	0.00067	0.0100	mg/l	104	105	80-120	1	20
Cadmium	0.00033 U	0.00033	0.0100	mg/l	103	103	80-120	1	20
Chromium	0.0013 U	0.0013	0.0300	mg/l	98	99	80-120	1	20
Cobalt	0.0010 U	0.0010	0.0100	mg/l	104	105	80-120	1	20
Copper	0.0028 U	0.0028	0.0200	mg/l	103	105	80-120	2	20
Nickel	0.0016 U	0.0016	0.0200	mg/l	104	105	80-120	1	20
Silver	0.0018 U	0.0018	0.0100	mg/l	97	98	80-120	1	20
Tin	0.0024 U	0.0024	0.0400	mg/l	100	100	80-120	0	20
Vanadium	0.0019 U	0.0019	0.0100	mg/l	102	103	80-120	1	20
Zinc	0.0020 U	0.0020	0.0400	mg/l	102	103	80-120	0	20
Batch number: 143430637001 Sample number(s): 7700504-7700508,7700510-7700521,7700523									
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	104		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	102		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	99		80-120		
Tin	1.52 J	0.430	20.0	mg/kg	105		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.303 J	0.260	4.00	mg/kg	104		80-120		
Batch number: 143430637001A Sample number(s): 7700504-7700508,7700510-7700521,7700523									
Antimony	0.0844 U	0.0844	0.400	mg/kg	97		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	113		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	103		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	111		80-120		
Batch number: 143430637001B Sample number(s): 7700504-7700508,7700510-7700521,7700523									
Selenium	0.100 U	0.100	0.800	mg/kg	107		80-120		
Batch number: 143430638001 Sample number(s): 7700504-7700508,7700510-7700521,7700523									
Mercury	0.0100 U	0.0100	0.200	mg/kg	90		80-120		
Batch number: 143430639001A Sample number(s): 7700528,7700532,7700536									
Antimony	0.00033 U	0.00033	0.0020	mg/l	96	109	80-120	13	20
Arsenic	0.00082 U	0.00082	0.0040	mg/l	97	105	80-120	8	20
Lead	0.000082 U	0.00008	0.0020	mg/l	104	104	80-120	0	20
Thallium	0.00015 U	0.00015	0.0010	mg/l	95	104	80-120	9	20
Batch number: 143430639001B Sample number(s): 7700528,7700532,7700536									
Selenium	0.00050 U	0.00050	0.0040	mg/l	103	102	80-120	1	20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143435713004	Sample number(s): 7700528,7700532,7700536								
Mercury	0.000060	0.00006	0.00020	mg/l	103		80-120		
	U	0							
Batch number: 143460637002	Sample number(s): 7700509,7700522,7700524-7700525								
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	101		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	99		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	105		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	104		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	102		80-120		
Tin	1.45 J	0.430	20.0	mg/kg	103		80-120		
Vanadium	0.142 J	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	103		80-120		
Batch number: 143460637002A	Sample number(s): 7700509,7700522,7700524-7700525								
Antimony	0.0844 U	0.0844	0.400	mg/kg	110		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	103		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	103		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	107		80-120		
Batch number: 143460637002B	Sample number(s): 7700509,7700522,7700524-7700525								
Selenium	0.100 U	0.100	0.800	mg/kg	110		80-120		
Batch number: 143460638001	Sample number(s): 7700509,7700522,7700524-7700525								
Mercury	0.0100 U	0.0100	0.200	mg/kg	92		80-120		
Batch number: 14346820002A	Sample number(s): 7700504-7700516								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		
Batch number: 14346820002B	Sample number(s): 7700517-7700525								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: A143431AA	Sample number(s): 7700504-7700507,7700509-7700510,7700512-7700516,7700518-7700519,7700521-7700525 UNSPK: 7700505								
Acetone	82	88	31-195	9	30				
Acetonitrile	97	103	41-166	3	30				
Acrolein	98	92	10-165	2	30				
Acrylonitrile	84	81	48-139	1	30				
Allyl Chloride	92	93	55-154	6	30				
Benzene	103	102	55-143	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Bromodichloromethane	94	94	53-136	4	30				
Bromoform	80	77	50-144	0	30				
Bromomethane	86	84	42-168	1	30				
2-Butanone	93	91	37-163	3	30				
Carbon Disulfide	90	83	48-146	3	30				
Carbon Tetrachloride	102	99	51-165	1	30				
2-Chloro-1,3-butadiene	103	102	51-152	4	30				
Chlorobenzene	103	101	49-135	3	30				
Chloroethane	77	74	39-152	1	30				
Chloroform	103	101	61-142	3	30				
Chloromethane	92	89	36-143	1	30				
1,2-Dibromo-3-chloropropane	78	74	34-165	0	30				
Dibromochloromethane	101	99	51-128	3	30				
1,2-Dibromoethane	102	102	54-129	5	30				
Dibromomethane	97	98	57-130	6	30				
trans-1,4-Dichloro-2-butene	122	119	31-144	2	30				
Dichlorodifluoromethane	109	108	26-151	3	30				
1,1-Dichloroethane	95	95	63-142	5	30				
1,2-Dichloroethane	108	107	54-143	4	30				
1,1-Dichloroethene	99	94	61-149	1	30				
cis-1,2-Dichloroethene	102	100	67-135	3	30				
trans-1,2-Dichloroethene	104	100	64-144	1	30				
1,2-Dichloropropane	98	97	54-144	4	30				
cis-1,3-Dichloropropene	90	91	45-137	5	30				
trans-1,3-Dichloropropene	99	98	51-134	4	30				
Ethyl Methacrylate	94	94	35-134	4	30				
Ethylbenzene	104	101	44-141	2	30				
2-Hexanone	70	71	32-160	5	30				
Isobutyl Alcohol	92	90	44-158	3	30				
Methacrylonitrile	101	100	54-142	4	30				
Methyl Iodide	95	90	52-139	1	30				
Methyl Methacrylate	100	100	42-134	4	30				
4-Methyl-2-pentanone	70	70	46-139	4	30				
Methylene Chloride	92	89	60-149	1	30				
Pentachloroethane	115	112	35-145	1	30				
Propionitrile	101	100	40-151	3	30				
Styrene	100	96	35-134	1	30				
1,1,1,2-Tetrachloroethane	95	95	55-139	4	30				
1,1,2,2-Tetrachloroethane	104	104	29-182	4	30				
Tetrachloroethene	107	106	42-149	4	30				
Toluene	109	110	50-146	6	30				
1,1,1-Trichloroethane	95	92	52-146	1	30				
1,1,2-Trichloroethane	102	103	58-152	6	30				
Trichloroethene	105	106	53-144	5	30				
Trichlorofluoromethane	125	122	47-163	2	30				
1,2,3-Trichloropropane	119	118	36-180	3	30				
Vinyl Acetate	77	71	21-139	11	30				
Vinyl Chloride	105	105	50-154	4	30				
Xylene (Total)	102	99	44-136	2	30				

Batch number: A143441AA
Acetone

Sample number(s): 7700511, 7700520 UNSPK: P700801
98 100 31-195 6 30

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Quality Control Summary

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Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Acetonitrile	85	87	41-166	1	30			
Acrolein	82	69	10-165	13	30			
Acrylonitrile	101	102	48-139	5	30			
Allyl Chloride	105	261*	55-154	89*	30			
Benzene	118	239*	55-143	72*	30			
Bromodichloromethane	112	173*	53-136	47*	30			
Bromoform	103	84	50-144	15	30			
Bromomethane	103	327*	42-168	108*	30			
2-Butanone	105	97	37-163	3	30			
Carbon Disulfide	117	290*	48-146	89*	30			
Carbon Tetrachloride	137	282*	51-165	74*	30			
2-Chloro-1,3-butadiene	121	240*	51-152	70*	30			
Chlorobenzene	117	164*	49-135	38*	30			
Chloroethane	101	310*	39-152	105*	30			
Chloroform	117	288*	61-142	84*	30			
Chloromethane	106	301*	36-143	100*	30			
1,2-Dibromo-3-chloropropane	102	44	34-165	76*	30			
Dibromochloromethane	114	139*	51-128	24	30			
1,2-Dibromoethane	118	127	54-129	12	30			
Dibromomethane	118	148*	57-130	27	30			
trans-1,4-Dichloro-2-butene	131	76	31-144	49*	30			
Dichlorodifluoromethane	122	340*	26-151	98*	30			
1,1-Dichloroethane	116	255*	63-142	79*	30			
1,2-Dichloroethane	127	186*	54-143	42*	30			
1,1-Dichloroethene	130	305*	61-149	84*	30			
cis-1,2-Dichloroethene	122	242*	67-135	70*	30			
trans-1,2-Dichloroethene	127	290*	64-144	82*	30			
1,2-Dichloropropane	112	199*	54-144	60*	30			
cis-1,3-Dichloropropene	107	130	45-137	24	30			
trans-1,3-Dichloropropene	114	127	51-134	15	30			
Ethyl Methacrylate	105	80	35-134	22	30			
Ethylbenzene	119	174*	44-141	41*	30			
2-Hexanone	80	58	32-160	27	30			
Isobutyl Alcohol	94	70	44-158	24	30			
Methacrylonitrile	116	112	54-142	1	30			
Methyl Iodide	125	283*	52-139	81*	30			
Methyl Methacrylate	110	91	42-134	14	30			
4-Methyl-2-pentanone	83	64	46-139	22	30			
Methylene Chloride	121	238*	60-149	69*	30			
Pentachloroethane	120	181*	35-145	45*	30			
Propionitrile	98	76	40-151	21	30			
Styrene	114	114	35-134	4	30			
1,1,1,2-Tetrachloroethane	118	177*	55-139	44*	30			
1,1,2,2-Tetrachloroethane	112	95	29-182	12	30			
Tetrachloroethene	122	221*	42-149	62*	30			
Toluene	120	216*	50-146	61*	30			
1,1,1-Trichloroethane	123	270*	52-146	79*	30			
1,1,2-Trichloroethane	116	145	58-152	27	30			
Trichloroethene	124	248*	53-144	71*	30			
Trichlorofluoromethane	135	339*	47-163	90*	30			
1,2,3-Trichloropropane	124	110	36-180	7	30			
Vinyl Acetate	46	48	21-139	2	30			

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Vinyl Chloride	118	341*	50-154	101*	30				
Xylene (Total)	118	161*	44-136	35*	30				

Batch number: Q143461AA

Sample number(s): 7700517 BKG: P700485

Acetone						330	U 330	U 0 (1)	30
Acetonitrile						1,200	U 1,200	U 0 (1)	30
Acrolein						940	U 940	U 0 (1)	30
Acrylonitrile						190	U 190	U 0 (1)	30
Allyl Chloride						47	U 47	U 0 (1)	30
Benzene						24	U 24	U 0 (1)	30
Bromodichloromethane						47	U 47	U 0 (1)	30
Bromoform						47	U 47	U 0 (1)	30
Bromomethane						94	U 94	U 0 (1)	30
2-Butanone						190	U 190	U 0 (1)	30
Carbon Disulfide						47	U 47	U 0 (1)	30
Carbon Tetrachloride						47	U 47	U 0 (1)	30
2-Chloro-1,3-butadiene						47	U 47	U 0 (1)	30
Chlorobenzene						47	U 47	U 0 (1)	30
Chloroethane						94	U 94	U 0 (1)	30
Chloroform						47	U 47	U 0 (1)	30
Chloromethane						94	U 94	U 0 (1)	30
1,2-Dibromo-3-chloropropane						94	U 94	U 0 (1)	30
Dibromochloromethane						47	U 47	U 0 (1)	30
1,2-Dibromoethane						47	U 47	U 0 (1)	30
Dibromomethane						47	U 47	U 0 (1)	30
trans-1,4-Dichloro-2-butene						470	U 470	U 0 (1)	30
Dichlorodifluoromethane						94	U 94	U 0 (1)	30
1,1-Dichloroethane						47	U 47	U 0 (1)	30
1,2-Dichloroethane						47	U 47	U 0 (1)	30
1,1-Dichloroethene						47	U 47	U 0 (1)	30
cis-1,2-Dichloroethene						47	U 47	U 0 (1)	30
trans-1,2-Dichloroethene						47	U 47	U 0 (1)	30
1,2-Dichloropropane						47	U 47	U 0 (1)	30
cis-1,3-Dichloropropene						47	U 47	U 0 (1)	30
trans-1,3-Dichloropropene						47	U 47	U 0 (1)	30
Ethyl Methacrylate						47	U 47	U 0 (1)	30
Ethylbenzene						47	U 47	U 0 (1)	30
2-Hexanone						140	U 140	U 0 (1)	30
Isobutyl Alcohol						4,700	U 4,700	U 0 (1)	30
Methacrylonitrile						240	U 240	U 0 (1)	30
Methyl Iodide						140	U 140	U 0 (1)	30
Methyl Methacrylate						47	U 47	U 0 (1)	30
4-Methyl-2-pentanone						140	U 140	U 0 (1)	30
Methylene Chloride						94	U 94	U 0 (1)	30
Pentachloroethane						47	U 47	U 0 (1)	30
Propionitrile						1,400	U 1,400	U 0 (1)	30
Styrene						47	U 47	U 0 (1)	30
1,1,1,2-Tetrachloroethane						47	U 47	U 0 (1)	30
1,1,2,2-Tetrachloroethane						47	U 47	U 0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Tetrachloroethene						47	U 47	U 0 (1)	30
Toluene						47	U 47	U 0 (1)	30
1,1,1-Trichloroethane						47	U 47	U 0 (1)	30
1,1,2-Trichloroethane						47	U 47	U 0 (1)	30
Trichloroethene						47	U 47	U 0 (1)	30
Trichlorofluoromethane						94	U 94	U 0 (1)	30
1,2,3-Trichloropropane						47	U 47	U 0 (1)	30
Vinyl Acetate						94	U 94	U 0 (1)	30
Vinyl Chloride						47	U 47	U 0 (1)	30
Xylene (Total)						47	U 47	U 0 (1)	30
Batch number: T143422AA Sample number(s): 7700527,7700529,7700533,7700537 BKG: P700810									
Acrolein						40	U 40	U 0 (1)	30
Acrylonitrile						4	U 4	U 0 (1)	30
Batch number: T143431AA Sample number(s): 7700539 UNSPK: P700831									
Acrolein	103	105	39-136	2	30				
Acrylonitrile	101	103	51-125	2	30				
Batch number: Y143422AA Sample number(s): 7700526,7700528,7700532,7700536,7700538 UNSPK: P696375									
Acetone	44	43	35-144	3	30				
Acrolein	82	81	39-136	1	30				
Acrylonitrile	50*	48*	51-125	3	30				
Allyl Chloride	131	131	47-142	0	30				
Benzene	101	104	72-134	1	30				
Bromodichloromethane	117	114	73-125	2	30				
Bromoform	93	90	48-118	3	30				
Bromomethane	123	116	47-129	6	30				
2-Butanone	47	45	44-135	2	30				
Carbon Disulfide	93	92	53-149	1	30				
Carbon Tetrachloride	140	135	75-148	3	30				
2-Chloro-1,3-butadiene	116	117	75-146	1	30				
Chlorobenzene	105	103	87-124	2	30				
Chloroethane	124	118	55-130	5	30				
Chloroform	122	118	81-134	3	30				
Chloromethane	137*	135*	61-125	2	30				
1,2-Dibromo-3-chloropropane	60	59	50-123	1	30				
Dibromochloromethane	113	109	74-116	3	30				
1,2-Dibromoethane	90	88	77-116	2	30				
Dibromomethane	97	96	83-119	1	30				
trans-1,4-Dichloro-2-butene	58	48	27-147	18	30				
Dichlorodifluoromethane	130	122	58-156	7	30				
1,1-Dichloroethane	116	115	84-129	0	30				
1,2-Dichloroethane	123	120	63-142	3	30				
1,1-Dichloroethene	119	117	79-137	2	30				
cis-1,2-Dichloroethene	109	107	80-141	1	30				
trans-1,2-Dichloroethene	123	120	86-131	2	30				
1,2-Dichloropropane	106	105	83-124	1	30				
cis-1,3-Dichloropropene	96	94	70-116	1	30				
trans-1,3-Dichloropropene	95	94	74-119	0	30				
Ethyl Methacrylate	84	83	64-126	1	30				
Ethylbenzene	105	103	71-134	2	30				

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Quality Control Summary

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Group Number: 1523521

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Hexanone	56	55	38-131	2	30				
Isobutyl Alcohol	78	81	53-142	3	30				
Methacrylonitrile	58*	57*	71-126	1	30				
Methyl Iodide	125	123	65-144	2	30				
Methyl Methacrylate	73	73	63-123	1	30				
4-Methyl-2-pentanone	63	63	45-128	1	30				
Methylene Chloride	114	112	78-133	1	30				
Pentachloroethane	100	99	71-117	1	30				
Propionitrile	89	89	61-138	0	30				
Styrene	106	104	78-125	2	30				
1,1,1,2-Tetrachloroethane	115	114	80-123	1	30				
1,1,2,2-Tetrachloroethane	69*	69*	72-128	1	30				
Tetrachloroethene	118	116	80-128	2	30				
Toluene	105	103	80-125	1	30				
1,1,1-Trichloroethane	119	116	69-140	2	30				
1,1,2-Trichloroethane	106	103	71-141	3	30				
Trichloroethene	117	115	88-133	2	30				
Trichlorofluoromethane	156	145	63-163	7	30				
1,2,3-Trichloropropane	68*	67*	76-118	3	30				
Vinyl Chloride	124	117	66-133	6	30				
Xylene (Total)	106	103	79-125	3	30				

Batch number: 14339WAZ026	Sample number(s): 7700536	UNSPK: P39WZUS			
Acenaphthene	96	93	74-119	4	30
Acenaphthylene	97	95	86-121	2	30
Acetophenone	93	91	77-114	3	30
2-Acetylaminofluorene	110	104	79-137	6	30
4-Aminobiphenyl	63	60	10-91	6	30
Aniline	58	55	22-103	7	30
Anthracene	99	95	78-114	5	30
Benzo(a)anthracene	97	95	77-122	2	30
Benzo(a)pyrene	97	94	73-125	3	30
Benzo(b)fluoranthene	94	91	73-126	4	30
Benzo(g,h,i)perylene	97	94	66-134	4	30
Benzo(k)fluoranthene	95	92	72-122	4	30
Benzyl alcohol	86	84	62-101	4	30
1,1'-Biphenyl	93	91	73-114	3	30
4-Bromophenyl-phenylether	98	95	76-124	3	30
Butylbenzylphthalate	99	97	76-124	3	30
Di-n-butylphthalate	96	93	79-118	3	30
4-Chloro-3-methylphenol	93	92	19-155	2	30
4-Chloroaniline	64	59	34-122	9	30
Chlorobenzilate	103	100	63-146	3	30
bis(2-Chloroethoxy)methane	95	91	73-115	4	30
bis(2-Chloroethyl)ether	92	88	77-113	4	30
bis(2-Chloroisopropyl)ether	90	87	61-116	4	30
2-Chloronaphthalene	94	91	64-134	3	30
2-Chlorophenol	91	88	27-146	3	30
4-Chlorophenyl-phenylether	97	95	73-117	2	30
Chrysene	100	98	78-128	2	30
Diallate trans/cis	103	99	75-130	5	30
Dibenz(a,h)anthracene	99	97	72-132	3	30

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Quality Control Summary

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Group Number: 1523521

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Dibenzofuran	95	93	71-116	3	30				
1,2-Dichlorobenzene	90	85	76-107	6	30				
1,3-Dichlorobenzene	87	81	68-107	8	30				
1,4-Dichlorobenzene	90	84	59-115	7	30				
3,3'-Dichlorobenzidine	80	77	16-128	4	30				
2,4-Dichlorophenol	94	90	31-147	4	30				
2,6-Dichlorophenol	97	94	75-116	4	30				
Diethylphthalate	99	96	69-118	3	30				
Dimethoate	84	81	10-112	4	30				
p-Dimethylaminoazobenzene	98	97	82-132	2	30				
3,3'-Dimethylbenzidine	35	32	25-83	8	30				
7,12-Dimethylbenz[a]anthracene	95	93	58-124	2	30				
2,4-Dimethylphenol	90	87	40-133	4	30				
Dimethylphthalate	95	93	54-125	2	30				
4,6-Dinitro-2-methylphenol	105	103	36-151	2	30				
1,3-Dinitrobenzene	96	94	82-122	2	30				
2,4-Dinitrophenol	84	84	20-168	0	30				
2,4-Dinitrotoluene	99	98	72-133	2	30				
2,6-Dinitrotoluene	99	98	79-127	1	30				
1,4-Dioxane	70	60	48-83	14	30				
Diphenyl ether	95	92	81-105	4	30				
Ethyl methanesulfonate	94	91	81-112	4	30				
bis(2-Ethylhexyl)phthalate	102	106	73-129	3	30				
Fluoranthene	97	94	78-122	3	30				
Fluorene	98	96	77-122	2	30				
Hexachlorobenzene	94	91	72-124	4	30				
Hexachlorobutadiene	90	80	53-126	12	30				
Hexachlorocyclopentadiene	83	80	26-142	4	30				
Hexachloroethane	85	77	50-119	11	30				
Hexachloropropene	91	86	67-132	5	30				
Indeno(1,2,3-cd)pyrene	95	92	69-129	3	30				
Isodrin	105	100	67-136	5	30				
Isophorone	98	95	67-139	4	30				
Isosafrole	100	98	74-104	3	30				
Methapyrilene	129	124	70-130	4	30				
Methyl methanesulfonate	80	76	37-93	5	30				
3-Methylcholanthrene	105	101	80-117	4	30				
2-Methylnaphthalene	92	88	65-120	5	30				
2-Methylphenol	93	90	26-135	4	30				
4-Methylphenol	93	90	13-128	4	30				
Naphthalene	93	89	68-118	4	30				
1,4-Naphthoquinone	172*	165*	70-130	4	30				
1-Naphthylamine	43	39	10-110	9	30				
2-Naphthylamine	48	44	10-101	8	30				
5-Nitro-o-toluidine	70	67	34-112	5	30				
2-Nitroaniline	99	99	76-132	0	30				
3-Nitroaniline	76	73	49-124	4	30				
4-Nitroaniline	86	83	43-126	3	30				
Nitrobenzene	94	90	69-127	5	30				
2-Nitrophenol	98	96	53-147	2	30				
4-Nitrophenol	71	71	10-116	1	30				
4-Nitroquinoline-1-oxide	89	88	50-120	1	30				

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N-Nitroso-di-n-propylamine	91	90	70-123	2	30				
N-Nitrosodi-n-butylamine	96	86	65-111	11	30				
N-Nitrosodiethylamine	94	92	80-102	3	30				
N-Nitrosodimethylamine	70	65	37-80	7	30				
N-Nitrosodiphenylamine	95	92	75-124	3	30				
N-Nitrosomethylethylamine	90	87	72-115	4	30				
N-Nitrosomorpholine	85	85	71-115	1	30				
N-Nitrosopiperidine	94	93	84-117	1	30				
N-Nitrosopyrrolidine	93	91	72-120	2	30				
Di-n-octylphthalate	102	99	71-137	3	30				
Pentachlorobenzene	98	96	82-119	3	30				
Pentachloronitrobenzene	99	97	82-116	2	30				
Pentachlorophenol	84	84	23-133	0	30				
Phenacetin	97	94	67-141	4	30				
Phenanthrene	93	90	76-112	5	30				
Phenol	69	67	10-107	3	30				
2-Picoline	85	80	44-96	7	30				
Pronamide	98	95	82-131	3	30				
Pyrene	92	90	79-111	2	30				
Pyridine	68	63	12-94	8	30				
Safrole	96	91	86-107	6	30				
1,2,4,5-Tetrachlorobenzene	92	89	79-114	3	30				
2,3,4,6-Tetrachlorophenol	98	96	56-131	2	30				
Tetraethylthiopyrophosphate	99	93	77-120	7	30				
Thionazin	98	97	72-117	2	30				
o-Toluidine	49	47	10-106	5	30				
1,2,4-Trichlorobenzene	94	87	68-119	7	30				
2,4,5-Trichlorophenol	93	90	37-148	4	30				
2,4,6-Trichlorophenol	94	92	19-162	3	30				
O,O,O-Triethylphosphorothioate	99	96	75-128	4	30				
1,3,5-Trinitrobenzene	92	92	35-129	0	30				
Batch number: 14344SLB026	Sample number(s): 7700504-7700507,7700509-7700525 UNSPK: 7700505								
Acenaphthene	2*	-19*	55-132	18	30				
Acenaphthylene	30*	24*	53-143	6	30				
Acetophenone	76	71	67-111	7	30				
2-Acetylaminofluorene	79	74	48-138	6	30				
4-Aminobiphenyl	0*	0*	10-80	0	30				
Aniline	0*	0*	23-96	0	30				
Anthracene	-201	-268	42-147	30	30				
	(2)	(2)							
Benzo(a)anthracene	-548	-706	32-150	31*	30				
	(2)	(2)							
Benzo(a)pyrene	-371	-499	36-151	30	30				
	(2)	(2)							
Benzo(b)fluoranthene	-484	-615	29-150	24	30				
	(2)	(2)							
Benzo(g,h,i)perylene	-211	-281	41-147	22	30				
	(2)	(2)							
Benzo(k)fluoranthene	-134	-250	35-146	43*	30				
	(2)	(2)							
Benzyl alcohol	82	74	69-131	10	30				

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1,1'-Biphenyl	57	50*	57-123	9	30				
4-Bromophenyl-phenylether	75	72	58-142	4	30				
Butylbenzylphthalate	83	93	50-137	11	30				
Di-n-butylphthalate	76	71	57-130	7	30				
4-Chloro-3-methylphenol	80	74	39-150	8	30				
4-Chloroaniline	37	36	10-100	2	30				
Chlorobenzilate	82	80	79-128	2	30				
bis(2-Chloroethoxy)methane	67	62	54-128	7	30				
bis(2-Chloroethyl)ether	73	67*	69-114	9	30				
bis(2-Chloroisopropyl)ether	75	72	62-120	4	30				
2-Chloronaphthalene	71	63	40-156	11	30				
2-Chlorophenol	81	75	35-152	7	30				
4-Chlorophenyl-phenylether	75	72	56-130	4	30				
Chrysene	-472 (2)	-620 (2)	28-146	34*	30				
Diallate TRANS/CIS	78	73	45-145	6	30				
Dibenz(a,h)anthracene	32*	-33*	54-142	41*	30				
Dibenzofuran	42*	33*	46-137	9	30				
1,2-Dichlorobenzene	78	71	45-133	8	30				
1,3-Dichlorobenzene	76	69	45-129	9	30				
1,4-Dichlorobenzene	74	68	44-132	8	30				
3,3'-Dichlorobenzidine	45	44	10-143	2	30				
2,4-Dichlorophenol	75	69	39-153	7	30				
2,6-Dichlorophenol	72	71	56-133	1	30				
Diethylphthalate	71	66	54-127	8	30				
Dimethoate	64	59	39-178	8	30				
p-Dimethylaminoazobenzene	83	76*	77-123	8	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	83	69	44-139	19	30				
2,4-Dimethylphenol	72	67	38-140	6	30				
Dimethylphthalate	71	66	45-135	7	30				
4,6-Dinitro-2-methylphenol	0*	0*	10-148	0	30				
1,3-Dinitrobenzene	60*	57*	73-116	6	30				
2,4-Dinitrophenol	0*	0*	20-143	0	30				
2,4-Dinitrotoluene	69	66	39-144	4	30				
2,6-Dinitrotoluene	72	68	54-134	5	30				
1,4-Dioxane	53	47	10-98	12	30				
Diphenyl ether	74	63	54-125	11	30				
Ethyl methanesulfonate	59	50	44-120	15	30				
bis(2-Ethylhexyl)phthalate	61	64	52-138	3	30				
Fluoranthene	-1996 (2)	-2218 (2)	41-135	26	30				
Fluorene	-51*	-74*	55-128	16	30				
Hexachlorobenzene	72	68	46-132	6	30				
Hexachlorobutadiene	73	65	65-125	12	30				
Hexachlorocyclopentadiene	0*	0*	10-153	0	30				
Hexachloroethane	57	54	24-138	5	30				
Hexachloropropene	0*	0*	39-124	0	30				
Indeno(1,2,3-cd)pyrene	-192 (2)	-266 (2)	44-147	25	30				
Isodrin	75	72	10-143	3	30				
Isophorone	73	69	68-119	6	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Isosafrole	75	71	69-135	6	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	30	29	10-134	1	30				
3-Methylcholanthrene	88	88	65-123	0	30				
2-Methylnaphthalene	56	52	39-140	5	30				
2-Methylphenol	86	79	36-149	9	30				
4-Methylphenol	80	73	29-143	9	30				
Naphthalene	63	59	44-142	4	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	30	30	10-92	1	30				
2-Naphthylamine	0*	27	10-71	200*	30				
5-Nitro-o-toluidine	0*	0*	33-107	0	30				
2-Nitroaniline	80	73	64-131	9	30				
3-Nitroaniline	60	57	31-145	3	30				
4-Nitroaniline	69	68	30-131	1	30				
Nitrobenzene	69	66	41-141	4	30				
2-Nitrophenol	70	67	45-146	4	30				
4-Nitrophenol	69	67	25-142	3	30				
4-Nitroquinoline-1-oxide	0*	0*	10-160	0	30				
N-Nitroso-di-n-propylamine	79	72	58-126	8	30				
N-Nitrosodi-n-butylamine	60	51	38-136	16	30				
N-Nitrosodiethylamine	75	68	56-112	10	30				
N-Nitrosodimethylamine	70	62	61-110	11	30				
N-Nitrosodiphenylamine	75	70	59-135	7	30				
N-Nitrosomethylethylamine	74	69	54-118	6	30				
N-Nitrosomorpholine	78	71*	72-121	10	30				
N-Nitrosopiperidine	71	69	48-131	2	30				
N-Nitrosopyrrolidine	79	73	59-131	8	30				
Di-n-octylphthalate	75	78	54-151	4	30				
Pentachlorobenzene	73	69	69-119	6	30				
Pentachloronitrobenzene	71*	67*	78-116	5	30				
Pentachlorophenol	57	55	23-145	4	30				
Phenacetin	72	67*	69-121	8	30				
Phenanthrene	-1187 (2)	-1351 (2)	42-141	29	30				
Phenol	81	75	61-130	8	30				
2-Picoline	70	64	55-104	10	30				
Pronamide	73	70	69-130	4	30				
Pyrene	-1322 (2)	-1545 (2)	37-140	32*	30				
Pyridine	72	66	16-108	8	30				
Safrole	72*	67*	76-114	6	30				
1,2,4,5-Tetrachlorobenzene	73	69*	71-120	6	30				
2,3,4,6-Tetrachlorophenol	63	64	62-132	2	30				
Tetraethylthiopyrophosphate	69*	62*	76-126	9	30				
Thionazin	78	74	65-123	5	30				
o-Toluidine	0*	0*	21-84	0	30				
1,2,4-Trichlorobenzene	75	69	50-139	9	30				
2,4,5-Trichlorophenol	73	70	64-131	4	30				
2,4,6-Trichlorophenol	68	68	60-136	0	30				
O,O,O-Triethylphosphorothioate	68*	66*	70-119	3	30				
1,3,5-Trinitrobenzene	64	60	10-113	6	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143430016A	Sample number(s): 7700504-7700507,7700509-7700514 UNSPK: 7700505								
PCB-1016	143*	141*	41-135	2	50				
PCB-1260	92	94	38-148	2	50				
Batch number: 143430033A	Sample number(s): 7700504-7700507,7700509,7700511,7700513-7700514 UNSPK: 7700505								
Diethylene glycol	70	71	48-124	2	20				
Ethylene glycol	88	88	68-115	0	20				
Propylene glycol	90	90	71-115	0	20				
Triethylene glycol	53	54	23-139	2	20				
Batch number: 143440027A	Sample number(s): 7700510,7700512,7700515-7700521,7700523-7700525 UNSPK: 7700523								
Diethylene glycol	71	70	48-124	1	20				
Ethylene glycol	80	77	68-115	3	20				
Propylene glycol	84	80	71-115	4	20				
Triethylene glycol	55	57	23-139	2	20				
Batch number: 143460024A	Sample number(s): 7700528,7700532,7700536 UNSPK: 7700528								
Diethylene glycol	111	90	52-122	21*	20				
Ethylene glycol	119	96	54-123	22*	20				
Propylene glycol	122	96	55-131	24*	20				
Triethylene glycol	100	82	33-123	19	20				
Batch number: 143510049A	Sample number(s): 7700522 UNSPK: P709595								
Diethylene glycol	70	70	48-124	1	20				
Ethylene glycol	76	75	68-115	2	20				
Propylene glycol	80	78	71-115	2	20				
Triethylene glycol	58	62	23-139	7	20				
Batch number: 143430637001	Sample number(s): 7700504-7700508,7700510-7700521,7700523 UNSPK: 7700505 BKG: 7700505								
Barium	100	103	75-125	2	20	41.4	45.7	10	20
Beryllium	101	102	75-125	1	20	0.975	J 1.00	3 (1)	20
Cadmium	93	95	75-125	2	20	0.338	J 0.318	J 6 (1)	20
Chromium	105	95	75-125	7	20	10.5	16.9	46* (1)	20
Cobalt	99	96	75-125	3	20	2.56	3.44	29* (1)	20
Copper	102	124	75-125	14	20	12.1	31.9	90*	20
Nickel	104	96	75-125	6	20	8.46	11.6	32* (1)	20
Silver	-11 (2)	-6 (2)	75-125	1	20	31.3	29.4	6	20
Tin	92	93	75-125	1	20	2.60	J 6.12	J 81* (1)	20
Vanadium	119	101	75-125	12	20	15.0	16.5	10	20
Zinc	130*	56*	75-125	18	20	150	155	3	20
Batch number: 143430637001A	Sample number(s): 7700504-7700508,7700510-7700521,7700523 UNSPK: 7700505 BKG: 7700505								
Antimony	89	79	75-125	7	20	0.735	1.23	50* (1)	20
Arsenic	149*	122	75-125	10	20	2.52	4.57	58* (1)	20
Lead	256 (2)	274 (2)	75-125	2	20	14.3	26.3	59*	20
Thallium	169*	115	75-125	25*	20	0.300	0.372	22* (1)	20
Batch number: 143430637001B	Sample number(s): 7700504-7700508,7700510-7700521,7700523 UNSPK: 7700505 BKG: 7700505								

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Selenium	142*	116	75-125	17	20	0.501 J	0.539 J	7 (1)		20
Batch number: 143430638001	Sample number(s): 7700504-7700508,7700510-7700521,7700523 UNSPK: 7700505 BKG: 7700505									
Mercury	79	87	75-125	7	20	0.0520 J	0.0387 J	29* (1)		20
Batch number: 143435713004	Sample number(s): 7700528,7700532,7700536 UNSPK: P698110 BKG: P698110									
Mercury	100	98	75-125	3	20	0.000060 U	0.000060 U	0 (1)		20
Batch number: 143460637002	Sample number(s): 7700509,7700522,7700524-7700525 UNSPK: 7700509 BKG: 7700509									
Barium	89	90	75-125	1	20	47.7	52.7	10		20
Beryllium	94	98	75-125	3	20	1.08	1.04	4 (1)		20
Cadmium	91	91	75-125	0	20	0.258 J	0.258 J	0 (1)		20
Chromium	84	102	75-125	12	20	10.1	11.7	14 (1)		20
Cobalt	90	91	75-125	1	20	2.78	3.00	8 (1)		20
Copper	93	97	75-125	3	20	11.8	11.3	4		20
Nickel	88	91	75-125	3	20	7.07	6.91	2 (1)		20
Silver	-1 (2)	129 (2)	75-125	19	20	29.5	29.3	1		20
Tin	85	84	75-125	1	20	3.18 J	3.21 J	1 (1)		20
Vanadium	92	95	75-125	2	20	16.6	16.6	0		20
Zinc	22*	49*	75-125	8	20	155	150	3		20
Batch number: 143460637002A	Sample number(s): 7700509,7700522,7700524-7700525 UNSPK: 7700509 BKG: 7700509									
Antimony	72*	67*	75-125	4	20	0.530	0.570	7 (1)		20
Arsenic	93	108	75-125	7	20	2.43	2.84	15 (1)		20
Lead	76 (2)	26 (2)	75-125	9	20	14.2	17.4	20		20
Thallium	110	124	75-125	7	20	0.274	0.267	3 (1)		20
Batch number: 143460637002B	Sample number(s): 7700509,7700522,7700524-7700525 UNSPK: 7700509 BKG: 7700509									
Selenium	108	102	75-125	4	20	0.429 J	0.402 J	6 (1)		20
Batch number: 143460638001	Sample number(s): 7700509,7700522,7700524-7700525 UNSPK: 7700509 BKG: 7700509									
Mercury	95	88	75-125	11	20	0.0420 J	0.0410 J	2 (1)		20
Batch number: 14346820002A	Sample number(s): 7700504-7700516 BKG: 7700505									
Moisture						14.4	14.5	1		5
Moisture						14.4	14.5	1		5
Moisture Duplicate						14.4	14.5	1		5
Batch number: 14346820002B	Sample number(s): 7700517-7700525 BKG: 7700521									
Moisture						12.6	13.1	4		5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: A143431AA

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700504	103	101	96	97
7700505	103	103	97	85
7700506	100	99	104	91
7700507	100	100	104	92
7700509	104	103	96	86
7700510	105	102	94	93
7700512	104	101	99	82
7700513	106	103	93	96
7700514	106	102	97	86
7700515	107	102	96	86
7700516	106	105	94	85
7700518	105	102	93	95
7700519	106	104	94	95
7700521	105	104	96	87
7700522	104	104	96	90
7700523	105	101	95	97
7700524	108	105	91	107
7700525	107	107	99	88
Blank	102	98	95	94
LCS	102	100	99	101
MS	100	99	104	91
MSD	100	100	104	92
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles
Batch number: A143441AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700511	107	106	94	88
7700520	108	105	98	89
Blank	104	99	95	95
LCS	103	102	99	102
MS	103	102	101	101
MSD	100	96	106	97
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles
Batch number: Q143461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700517	78	77	80	76
Blank	92	92	97	94
DUP	83	83	87	84
LCS	106	100	107	103
LCSD	100	94	101	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700527	111	102	98	95
7700529	112	102	96	95
7700533	109	101	97	97
7700537	109	104	97	97
Blank	111	101	96	97
DUP	111	106	98	97

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Quality Control Summary

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Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Surrogate Quality Control

LCS	109	102	98	100
LCSD	107	101	96	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700539	109	106	99	95
Blank	107	104	98	93
LCS	108	99	98	97
MS	103	100	96	97
MSD	103	103	94	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX Volatiles

Batch number: Y143422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700526	118*	104	98	91
7700528	118*	103	97	91
7700532	118*	104	97	90
7700536	115	103	98	92
7700538	117*	105	97	90
Blank	113	104	98	92
LCS	110	100	101	102
LCSD	110	101	101	101
MS	111	96	99	101
MSD	108	99	99	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14339WAZ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7700536	42	62	89	87	86	93
Blank	44	62	92	87	86	98
LCS	51	69	99	89	89	97
MS	65	71	97	90	90	94
MSD	63	67	95	87	88	92
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14343WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7700528	41	58	91	85	82	89
7700532	41	59	90	84	84	86
Blank	50	71	98	89	90	105
LCS	55	72	98	88	88	93
LCSD	58	73	99	90	89	99
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14344SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7700504	101	102	79	90	92	107
7700505	82	80	72	69	76	96
7700506	81	79	64	68	74	88

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Quality Control Summary

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Group Number: 1523521

Surrogate Quality Control

7700507	74	72	61	63	69	83
7700509	72	72	64	66	70	87
7700510	109	109	87	97	99	114
7700511	77	77	65	68	75	91
7700512	92	97	82	92	94	110
7700513	99	103	100	97	99	115
7700514	97	100	90	90	94	107
7700515	95	98	94	88	93	108
7700516	92	97	93	89	92	105
7700517	98	101	95	92	92	108
7700518	97	99	94	92	93	109
7700519	98	102	94	87	95	110
7700520	99	102	81	95	87	115
7700521	99	103	97	94	96	111
7700522	98	102	96	94	94	110
7700523	87	89	95	84	93	108
7700524	99	101	95	94	97	112
7700525	96	101	91	92	96	110
Blank	99	104	110	98	104	121
LCS	106	104	105	91	91	107
MS	81	79	64	68	74	88
MSD	74	72	61	63	69	83
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143390006A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7700536	72	9*
1ST		
Blank	89	45
LCS	87	68
LCSD	84	42
Limits:	49-141	36-153

Analysis Name: PCBs
Batch number: 143430016A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7700504	109	117
7700505	88	172*
7700506	81	119
7700507	79	139
7700509	95	139
7700510	110	100
7700511	88	115
7700512	81	123
7700513	109	103
7700514	95	106
Blank	104	102
LCS	107	100
MS	81	119
MSD	79	139
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143430033A

Tetramethylene glycol

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Surrogate Quality Control

7700504	83
7700505	81
7700506	82
7700507	82
7700509	82
7700511	80
7700513	83
7700514	80
Blank	93
LCS	95
MS	82
MSD	82

Limits: 71-121

Analysis Name: 4 Gylcol Compounds

Batch number: 143440027A

Tetramethylene glycol

7700510	75
7700512	74
7700515	72
7700516	70*
7700517	72
7700518	72
7700519	78
7700520	71
7700521	72
7700523	73
7700524	77
7700525	74
Blank	88
LCS	91
MS	77
MSD	75

Limits: 71-121

Analysis Name: 4 Gylcol Compounds

Batch number: 143460024A

Tetramethylene glycol

7700528	96
7700532	105
7700536	102
Blank	120
LCS	105
MS	112
MSD	93

Limits: 54-136

Analysis Name: 4 Gylcol Compounds

Batch number: 143510049A

Tetramethylene glycol

7700522	72
Blank	91
LCS	92
MS	73
MSD	70*

Limits: 71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:54 AM

Group Number: 1523521

Surrogate Quality Control

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1523521 Sample Nos.: 7700504-39

Acc't: 06643 SF: 219983 SCR No.: 164182

Cooler No.: 227427

30750

Cooler Temperature upon receipt: 0.5 °C

Container No.: 4

Facility Name: Brevard		Project Manager: Chet Meinzer			Analyses Required										Comments:																	
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																														
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																														
1300 Staton Road		Release No.:																														
Cedar Mountain NC 28718		PO Number: LBIO-67047																														
Sampler(s): <u>K. Stewart / M. Johnsons</u>		Project Name: SOIL 2014			APPIX VOAs (8260)										Soils Condition upon receipt: <u>Intact</u>																	
Sample Identification	Date Collected	Time Collected	Matrix	Containers													APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)			
				Volume (ml)																										Preserv	No.	
SSP14-MA-SS- <u>02</u>	<u>12/2/14</u>	<u>1432</u>	SW	40													MeOH	1	X													
SSP14-MA-SS- <u>02</u>	<u>12/2/14</u>	<u>1432</u>	SW	40													NaHSO4	2	X													
SSP14-MA-SS- <u>02</u>	<u>12/2/14</u>	<u>1432</u>	SW	40													MeOH	1	X													
SSP14-MA-SS- <u>02</u>	<u>12/2/14</u>	<u>1432</u>	SW	40													NaHSO4	2	X													
SSP14-MA-SS- <u>02</u> -D	<u>12/2/14</u>	<u>1432</u>	SW	40													MeOH	1	X													
SSP14-MA-SS- <u>02</u> -D	<u>12/2/14</u>	<u>1432</u>	SW	40													NaHSO4	2	X													
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																												
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/5/14</u>	Time: <u>1200</u>	Bottles Received by:										Date:	Time:																	
Bottles Relinquished by:		Date:	Time:	Bottles Received by:										Date:	Time:																	
Bottles Relinquished by:		Date:	Time:	Bottles Received by:										Date:	Time:																	
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>										Date: <u>12/5/14</u>	Time: <u>2225</u>																	



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1523521 Sample Nos.: 7700504-39

Acc't: 06643 SF: 219983 SCR No.: 164182 Cooler No.: 227427 **30750**

Cooler Temperature upon receipt: 0.5 °C Container No.: 9

Facility Name: Brevard		Project Manager: Chef Meinzer		Analyses Required										Comments:																	
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																													
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																													
1300 Staton Road		Release No.:																													
Cedar Mountain NC 28718		PO Number: LBIO-67047																													
Sampler(s): <u>K. Stewart / M. Johnson</u>				APPIX VOAs (8260)										Soils Condition upon receipt: <u>Intact</u>																	
Project Name: SOIL 2014																															
Sample Identification	Date Collected	Time Collected	Matrix													Containers			APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)	APPIX VOAs (8260)		
																Volume (ml)	Preserv	No.													
SSP14-MA-SS-5	<u>12/5/14</u>	<u>1104</u>	SW													40	MeOH	1	X												
SSP14-MA-SS-5	<u>12/3/14</u>	<u>1104</u>	SW													40	NaHSO4	2	X												
SSP14-MA-SS-6	<u>12/2/14</u>	<u>1628</u>	SW													40	MeOH	1	X												
SSP14-MA-SS-6	<u>12/2/14</u>	<u>1628</u>	SW													40	NaHSO4	2	X												
SSP14-MA-SS-7	<u>12/2/14</u>	<u>1706</u>	SW													40	MeOH	1	X												
SSP14-MA-SS-7	<u>12/2/14</u>	<u>1706</u>	SW													40	NaHSO4	2	X												

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/5/14</u>	Time: <u>1200</u>	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>12/5/14</u>	Time: <u>2225</u>



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 9

For Lancaster Laboratories Use Only

Group No.: 1523521 Sample Nos.: 7700504-39
 Acc't: 06643 SF: 219983 SCR No.: 164180 Cooler No.: C17497 **30780**
 Cooler Temperature upon receipt: 0.5 °C Container No.: 4

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:			
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379															
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681		APPIX VOAs (8260)										Soils Condition upon receipt: <u>Intact</u>			
1300 Staton Road		Release No.:															
Cedar Mountain NC 28718		PO Number: LBIO-67047															
Sampler(s): <u>K. STUART / M. JOHNSON</u>		Project Name: SOIL 2014															
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APPIX VOAs (8260)										
				Volume (ml)	Preserv	No.											
SSP14-SWMU15-SS-1	<u>12/4/14</u>	<u>0950</u>	SW	40	MeOH	1	X										
SSP14-SWMU15-SS-1	<u>12/4/14</u>	<u>0950</u>	SW	40	NaHSO4	2	X										
SSP14-SWMU15-SS-2	<u>12/4/14</u>	<u>1235</u>	SW	40	MeOH	1	X										
SSP14-SWMU15-SS-2	<u>12/4/14</u>	<u>1235</u>	SW	40	NaHSO4	2	X										
SSP14-SWMU15-SS-3	<u>12/4/14</u>	<u>1302</u>	SW	40	MeOH	1	X										
SSP14-SWMU15-SS-3	<u>12/4/14</u>	<u>1302</u>	SW	40	NaHSO4	2	X										
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:										
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/15/14</u>	Time: <u>1200</u>	Bottles Received by:				Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by:				Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by:				Date:	Time:								
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>				Date: <u>12/14/14</u>	Time: <u>2225</u>								



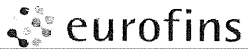
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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1523521 Sample Nos.: 7700504-39
Acc't: 06643 SF: 219983 SCR No.: 164180 Cooler No.: C17497 30780
Cooler Temperature upon receipt: 0.5 °C Container No.: 4

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road		Release No.:																		
Cedar Mountain NC 28718		PO Number: LBIO-67047																		
Sampler(s): <u>K. Stewart / M. Johnson</u>		Project Name: SOIL 2014																		
				Containers			APPIX VOAs (8260)											Soils		
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv		No.											Condition upon receipt:	
SSP14-SWMU15-SBS-1		12/4/14	1530	SW	40	MeOH		1	X											<u>Intact</u>
SSP14-SWMU15-SBS-1		12/4/14	1530	SW	40	NaHSO4		2	X											
SSP14-SWMU15-SBS-2		12/5/14	1045	SW	40	MeOH		1	X											
SSP14-SWMU15-SBS-2		12/5/14	1045	SW	40	NaHSO4		2	X											
SSP14-SWMU15-SBS-3				SW	40	MeOH		1	X	12/5/14										
SSP14-SWMU15-SBS-3				SW	40	NaHSO4		2	X	12/5/14										
<u>SSP14-SWMU15-SBS-2D</u>		12/5/14	1045	SW	40	MeOH		1	X											
<u>SSP14-SWMU15-SBS-2D</u>		12/5/14	1045	SW	40	NaHSO4		2	X											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																
Bottles Relinquished by: <u>[Signature]</u>		Date: 12/5/14	Time: 1200	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: 12/5/14	Time: 2225													



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1523521 Sample Nos.: 7700504-39
Acc't: 06643 SF: 219983 SCR No.: 164179 Cooler No.: 027784 **30766**
Cooler Temperature upon receipt: 1.9 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379													3 day holding time for acrolein and acrylonitrile					
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road		Release No.:																		
Cedar Mountain NC 28718		PO Number: LBIO-67047																		
Sampler(s): <u>K. STEINWERT / M. JOHNSON</u>																				
Project Name: SOIL 2014															SOILS					
				Containers			APPIX VOAs (8260)	Acrolein/Acrylonitrile (8260)*											Condition upon receipt:	
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv			No.											
EB-SS-3- <u>120414</u>		<u>12/4/14</u>	<u>0816</u>	WW	40	HCl	3	X											<u>EB for SWMU-2</u>	
EB-SS-3- <u>120414</u> -A		<u>12/4/14</u>	<u>0816</u>	WW	40	None	3		X											<u>-SBS and EB</u>
TB-SS-3- <u>120414</u>		<u>12/4/14</u>	<u>0816</u>	WW	40	HCl	2	X											<u>For SWMU-15-SBS</u>	
TB-SS-3- <u>120414</u> -A		<u>12/4/14</u>	<u>0816</u>	WW	40	None	2		X											<u>only</u>

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions: *3 Day Holding Time			
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/4/14</u>	Time: <u>1900</u>	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>12.5.14</u>	Time: <u>940</u>

Client: Dupont

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 12/05/2014 9:40
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	Yes		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Brandy Barclay (2299) at 11:31 on 12/05/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.1	DT	Wet	Y	Loose	N

Missing Sample Details

Sample ID on COC	Comments
TB-SS-3/A	
TB-SS-4/A	

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 12/05/2014 22:25
 Number of Packages: 4 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2 HCl + 2 Unpres.

Unpacked by Wesley Miller (2308) at 00:41 on 12/06/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.7	DT	Wet	Y	Loose	N
4	DT121	0.5	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 30, 2014

Project: BRE - SOIL

Submittal Date: 12/12/2014

Group Number: 1525392

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample DescriptionLancaster Labs (LL) #

SSP14-SWMU16-SS-1 Soil	7711211
SSP14-SWMU16-SS-2 Soil	7711212
SSP14-SWMU16-SS-3 Soil	7711213
SSP14-SWMU16-SS-4 Soil	7711214
SSP14-SWMU16-SS-5 Soil	7711215
SSP14-SWMU16-SS-6 Soil	7711216
SSP14-SWMU16-SS-7 Soil	7711217
SSP14-SWMU16-SS-8 Soil	7711218
SSP14-SWMU16-SS-9 Soil	7711219
SSP14-SWMU16-SS-10 Soil	7711220
TB-SS-4-121014 Blank Water	7711221
TB-SS-4-121014-A Blank Water	7711222
EB-SS-2-121114 Blank Water	7711223
EB-SS-2-121114-A Blank Water	7711224
TB-SS-2-121114 Blank Water	7711225
TB-SS-2-121114-A Blank Water	7711226
TB-SS-5-121114 Blank Water	7711227
TB-SS-5-121114-A Blank Water	7711228

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1601

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	32	7	21	0.88
10237	Acetonitrile	75-05-8	26	U	100	0.88
10237	Acrolein	107-02-8	21	U	21	0.88
10237	Acrylonitrile	107-13-1	4	U	4	0.88
10237	Allyl Chloride	107-05-1	1	U	1	0.88
10237	Benzene	71-43-2	0.5	U	0.5	0.88
10237	Bromodichloromethane	75-27-4	1	U	1	0.88
10237	Bromoform	75-25-2	1	U	1	0.88
10237	Bromomethane	74-83-9	2	U	2	0.88
10237	2-Butanone	78-93-3	4	U	4	0.88
10237	Carbon Disulfide	75-15-0	1	U	1	0.88
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.88
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.88
10237	Chlorobenzene	108-90-7	1	U	1	0.88
10237	Chloroethane	75-00-3	2	U	2	0.88
10237	Chloroform	67-66-3	1	U	1	0.88
10237	Chloromethane	74-87-3	2	U	2	0.88
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.88
10237	Dibromochloromethane	124-48-1	1	U	1	0.88
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.88
10237	Dibromomethane	74-95-3	1	U	1	0.88
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.88
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.88
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.88
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.88
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.88
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.88
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.88
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.88
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.88
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.88
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.88
10237	Ethylbenzene	100-41-4	1	U	1	0.88
10237	2-Hexanone	591-78-6	3	U	3	0.88
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.88
10237	Methacrylonitrile	126-98-7	5	U	5	0.88
10237	Methyl Iodide	74-88-4	3	U	3	0.88
10237	Methyl Methacrylate	80-62-6	1	U	1	0.88
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.88
10237	Methylene Chloride	75-09-2	2	U	2	0.88
10237	Pentachloroethane	76-01-7	1	U	1	0.88
10237	Propionitrile	107-12-0	31	U	31	0.88
10237	Styrene	100-42-5	1	U	1	0.88
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.88
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.88
10237	Tetrachloroethene	127-18-4	1	U	1	0.88
10237	Toluene	108-88-3	1	U	1	0.88
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.88
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.88
10237	Trichloroethene	79-01-6	1	U	1	0.88
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.88

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1601

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.88
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.88
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.88
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.88
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	39	1
10726	2-Acetylaminofluorene	53-96-3	78 U	78	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	7 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	14 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	20 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	16 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	39	1
10726	Butylbenzylphthalate	85-68-7	78 U	78	190	1
10726	Di-n-butylphthalate	84-74-2	78 U	78	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	39	1
10726	4-Chloroaniline	106-47-8	19 U	19	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	39	1
10726	Chrysene	218-01-9	8 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	39	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	39	1
10726	Diethylphthalate	84-66-2	78 U	78	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	78 U	78	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1601

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	11	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	78	U 78	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	190	1
10726	4-Nitroaniline	100-01-6	78	U 78	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1601

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	190	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	190	1
10726	Phenanthrene	85-01-8	6	J 4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	11	J 4	20	1
10726	Pyridine	110-86-1	78	U 78	190	1
10726	Safrole	94-59-7	78	U 78	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	190	1
10726	Thionazin	297-97-2	78	U 78	190	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	33.5		1.13	1
06947	Beryllium	7440-41-7	0.831	J 0.0760	1.13	1
06949	Cadmium	7440-43-9	0.112	J 0.0374	1.13	1
06951	Chromium	7440-47-3	1.82	J 0.125	3.40	1
06952	Cobalt	7440-48-4	1.09	J 0.109	1.13	1
06953	Copper	7440-50-8	2.59	0.374	2.27	1
06961	Nickel	7440-02-0	12.7	0.170	2.27	1
06966	Silver	7440-22-4	0.215	U 0.215	1.13	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1601

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.30 J	0.488	22.7	1
06971	Vanadium	7440-62-2	6.36	0.103	1.13	1
06972	Zinc	7440-66-6	13.2	0.295	4.54	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.129 J	0.0957	0.454	2
06125	Arsenic	7440-38-2	1.32	0.0969	0.907	2
06135	Lead	7439-92-1	16.0	0.0146	0.454	2
06141	Selenium	7782-49-2	0.346 J	0.113	0.907	2
06145	Thallium	7440-28-0	0.231	0.0340	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0185 J	0.0109	0.218	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 13:12	Chelsea B Stong	0.88
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 11:09	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 11:09	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 11:09	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 18:22	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 03:37	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-1 Soil
SOIL 2014

LL Sample # SW 7711211
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1601

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:29	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:27	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:27	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:27	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:27	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:27	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:30	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1602

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	22	7	19	0.83
10237	Acetonitrile	75-05-8	24 U	24	97	0.83
10237	Acrolein	107-02-8	19 U	19	97	0.83
10237	Acrylonitrile	107-13-1	4 U	4	19	0.83
10237	Allyl Chloride	107-05-1	1 U	1	5	0.83
10237	Benzene	71-43-2	0.5 U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.83
10237	Bromoform	75-25-2	1 U	1	5	0.83
10237	Bromomethane	74-83-9	2 U	2	5	0.83
10237	2-Butanone	78-93-3	4 U	4	10	0.83
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.83
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.83
10237	Chlorobenzene	108-90-7	1 U	1	5	0.83
10237	Chloroethane	75-00-3	2 U	2	5	0.83
10237	Chloroform	67-66-3	1 U	1	5	0.83
10237	Chloromethane	74-87-3	2 U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.83
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.83
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.83
10237	Dibromomethane	74-95-3	1 U	1	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.83
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.83
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.83
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.83
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.83
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.83
10237	Ethylbenzene	100-41-4	1 U	1	5	0.83
10237	2-Hexanone	591-78-6	3 U	3	10	0.83
10237	Isobutyl Alcohol	78-83-1	97 U	97	240	0.83
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.83
10237	Methyl Iodide	74-88-4	3 U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.83
10237	Methylene Chloride	75-09-2	2 U	2	5	0.83
10237	Pentachloroethane	76-01-7	1 U	1	5	0.83
10237	Propionitrile	107-12-0	29 U	29	97	0.83
10237	Styrene	100-42-5	1 U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.83
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.83
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.83
10237	Toluene	108-88-3	1 U	1	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.83
10237	Trichloroethene	79-01-6	1 U	1	5	0.83
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1602

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	10	J 4	20	1
10726	Acenaphthylene	208-96-8	20	4	20	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	34	4	20	1
10726	Benzo(a)anthracene	56-55-3	130	4	20	1
10726	Benzo(a)pyrene	50-32-8	140	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	190	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	100	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	80	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	130	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	23	4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1602

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	120	U 120	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	270	4	20	1
10726	Fluorene	86-73-7	17	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	96	4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	9	J 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	22	4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1602

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	130	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	120	U 120	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	210	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	23.2	0.0376	1.14	1
06947	Beryllium	7440-41-7	0.617	J 0.0764	1.14	1
06949	Cadmium	7440-43-9	0.0980	J 0.0376	1.14	1
06951	Chromium	7440-47-3	2.84	J 0.125	3.42	1
06952	Cobalt	7440-48-4	0.879	J 0.109	1.14	1
06953	Copper	7440-50-8	3.05	0.376	2.28	1
06961	Nickel	7440-02-0	32.7	0.171	2.28	1
06966	Silver	7440-22-4	0.217	U 0.217	1.14	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1602

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.27 J	0.490	22.8	1
06971	Vanadium	7440-62-2	7.91	0.104	1.14	1
06972	Zinc	7440-66-6	13.0	0.296	4.56	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.132 J	0.0962	0.456	2
06125	Arsenic	7440-38-2	1.08	0.0974	0.912	2
06135	Lead	7439-92-1	12.1	0.0146	0.456	2
06141	Selenium	7782-49-2	0.313 J	0.114	0.912	2
06145	Thallium	7440-28-0	0.155 J	0.0342	0.228	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0232 J	0.0109	0.219	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 13:34	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 11:25	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 11:25	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 11:25	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 18:47	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 03:52	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-2 Soil
SOIL 2014

LL Sample # SW 7711212
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 11:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1602

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:33	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:29	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:29	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:29	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:29	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:29	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:32	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1603

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	17	J	7	0.93
10237	Acetonitrile	75-05-8	26	U	26	0.93
10237	Acrolein	107-02-8	21	U	21	0.93
10237	Acrylonitrile	107-13-1	4	U	4	0.93
10237	Allyl Chloride	107-05-1	1	U	1	0.93
10237	Benzene	71-43-2	0.5	U	0.5	0.93
10237	Bromodichloromethane	75-27-4	1	U	1	0.93
10237	Bromoform	75-25-2	1	U	1	0.93
10237	Bromomethane	74-83-9	2	U	2	0.93
10237	2-Butanone	78-93-3	4	U	4	0.93
10237	Carbon Disulfide	75-15-0	1	J	1	0.93
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.93
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.93
10237	Chlorobenzene	108-90-7	1	U	1	0.93
10237	Chloroethane	75-00-3	2	U	2	0.93
10237	Chloroform	67-66-3	1	U	1	0.93
10237	Chloromethane	74-87-3	2	U	2	0.93
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.93
10237	Dibromochloromethane	124-48-1	1	U	1	0.93
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.93
10237	Dibromomethane	74-95-3	1	U	1	0.93
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.93
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.93
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.93
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.93
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.93
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.93
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.93
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.93
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.93
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.93
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.93
10237	Ethylbenzene	100-41-4	1	U	1	0.93
10237	2-Hexanone	591-78-6	3	U	3	0.93
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.93
10237	Methacrylonitrile	126-98-7	5	U	5	0.93
10237	Methyl Iodide	74-88-4	3	U	3	0.93
10237	Methyl Methacrylate	80-62-6	1	U	1	0.93
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.93
10237	Methylene Chloride	75-09-2	2	U	2	0.93
10237	Pentachloroethane	76-01-7	1	U	1	0.93
10237	Propionitrile	107-12-0	31	U	31	0.93
10237	Styrene	100-42-5	1	U	1	0.93
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.93
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.93
10237	Tetrachloroethene	127-18-4	1	U	1	0.93
10237	Toluene	108-88-3	1	U	1	0.93
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.93
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.93
10237	Trichloroethene	79-01-6	1	U	1	0.93
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.93

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1603

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.93
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.93
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.93
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.93
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 J	4	19	1
10726	Acenaphthylene	208-96-8	8 J	4	19	1
10726	Acetophenone	98-86-2	19 U	19	37	1
10726	2-Acetylaminofluorene	53-96-3	74 U	74	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	560	1
10726	Aniline	62-53-3	190 U	190	560	1
10726	Anthracene	120-12-7	9 J	4	19	1
10726	Benzo(a)anthracene	56-55-3	61	4	19	1
10726	Benzo(a)pyrene	50-32-8	73	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	100	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	56	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	36	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	560	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	37	1
10726	Butylbenzylphthalate	85-68-7	74 U	74	190	1
10726	Di-n-butylphthalate	84-74-2	74 U	74	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	37	1
10726	4-Chloroaniline	106-47-8	19 U	19	37	1
10726	Chlorobenzilate	510-15-6	37 U	37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	37	1
10726	2-Chlorophenol	95-57-8	19 U	19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	37	1
10726	Chrysene	218-01-9	59	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37 U	37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	13 J	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	370	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	37	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	37	1
10726	Diethylphthalate	84-66-2	74 U	74	190	1
10726	Dimethoate	60-51-5	190 U	190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	74 U	74	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560 U	560	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1603

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	37	1
10726	Dimethylphthalate	131-11-3	74	U 74	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	74	U 74	190	1
10726	2,4-Dinitrophenol	51-28-5	330	U 330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	74	U 74	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	19	U 19	37	1
10726	Ethyl methanesulfonate	62-50-0	74	U 74	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	74	U 74	190	1
10726	Fluoranthene	206-44-0	110	4	19	1
10726	Fluorene	86-73-7	4	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	37	U 37	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	49	4	19	1
10726	Isodrin	465-73-6	19	U 19	37	1
10726	Isophorone	78-59-1	19	U 19	37	1
10726	Isosafrole	120-58-1	74	U 74	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	37	1
10726	4-Methylphenol	106-44-5	19	U 19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	930	U 930	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	37	1
10726	3-Nitroaniline	99-09-2	74	U 74	190	1
10726	4-Nitroaniline	100-01-6	74	U 74	190	1
10726	Nitrobenzene	98-95-3	19	U 19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	37	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	37	1
10726	N-Nitrosodimethylamine	62-75-9	74	U 74	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1603

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	74	U 74	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	37	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	74	U 74	190	1
10726	N-Nitrosomorpholine	59-89-2	74	U 74	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	37	1
10726	Di-n-octylphthalate	117-84-0	74	U 74	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	37	1
10726	Pentachloronitrobenzene	82-68-8	74	U 74	190	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	74	U 74	190	1
10726	Phenanthrene	85-01-8	40	4	19	1
10726	Phenol	108-95-2	19	U 19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	190	1
10726	Pyrene	129-00-0	95	4	19	1
10726	Pyridine	110-86-1	74	U 74	190	1
10726	Safrole	94-59-7	74	U 74	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	74	U 74	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	74	U 74	190	1
10726	Thionazin	297-97-2	74	U 74	190	1
10726	o-Toluidine	95-53-4	220	U 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	74	U 74	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
Rev 3				
12925	Diethylene glycol	111-46-6	5.6 U	5.6
12925	Ethylene glycol	107-21-1	5.6 U	5.6
12925	Propylene glycol	57-55-6	5.6 U	5.6
12925	Triethylene glycol	112-27-6	5.6 U	5.6

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	41.1	0.0371
06947	Beryllium	7440-41-7	0.726 J	0.0753
06949	Cadmium	7440-43-9	0.0730 J	0.0371

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1603

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	1.36 J	0.124	3.37	1
06952	Cobalt	7440-48-4	0.891 J	0.108	1.12	1
06953	Copper	7440-50-8	2.19 J	0.371	2.25	1
06961	Nickel	7440-02-0	32.8	0.169	2.25	1
06966	Silver	7440-22-4	0.213 U	0.213	1.12	1
06969	Tin	7440-31-5	3.24 J	0.483	22.5	1
06971	Vanadium	7440-62-2	4.00	0.102	1.12	1
06972	Zinc	7440-66-6	9.89	0.292	4.49	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0948 U	0.0948	0.449	2
06125	Arsenic	7440-38-2	0.824 J	0.0960	0.899	2
06135	Lead	7439-92-1	11.1	0.0144	0.449	2
06141	Selenium	7782-49-2	0.178 J	0.112	0.899	2
06145	Thallium	7440-28-0	0.137 J	0.0337	0.225	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0154 J	0.0108	0.215	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	11.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 13:57	Chelsea B Stong	0.93
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 13:48	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 13:48	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 13:48	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/19/2014 23:55	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-3 Soil
SOIL 2014

LL Sample # SW 7711213
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 13:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1603

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 04:07	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:36	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:31	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:31	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:31	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:31	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:31	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:35	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	7	20	0.88
10237	Acetonitrile	75-05-8	24 U	24	98	0.88
10237	Acrolein	107-02-8	20 U	20	98	0.88
10237	Acrylonitrile	107-13-1	4 U	4	20	0.88
10237	Allyl Chloride	107-05-1	1 U	1	5	0.88
10237	Benzene	71-43-2	0.5 U	0.5	5	0.88
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.88
10237	Bromoform	75-25-2	1 U	1	5	0.88
10237	Bromomethane	74-83-9	2 U	2	5	0.88
10237	2-Butanone	78-93-3	4 U	4	10	0.88
10237	Carbon Disulfide	75-15-0	2 J	1	5	0.88
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.88
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.88
10237	Chlorobenzene	108-90-7	1 U	1	5	0.88
10237	Chloroethane	75-00-3	2 U	2	5	0.88
10237	Chloroform	67-66-3	1 U	1	5	0.88
10237	Chloromethane	74-87-3	2 U	2	5	0.88
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.88
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.88
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.88
10237	Dibromomethane	74-95-3	1 U	1	5	0.88
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.88
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.88
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.88
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.88
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.88
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.88
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.88
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.88
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.88
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.88
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.88
10237	Ethylbenzene	100-41-4	1 U	1	5	0.88
10237	2-Hexanone	591-78-6	3 U	3	10	0.88
10237	Isobutyl Alcohol	78-83-1	98 U	98	240	0.88
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.88
10237	Methyl Iodide	74-88-4	3 U	3	5	0.88
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.88
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.88
10237	Methylene Chloride	75-09-2	2 U	2	5	0.88
10237	Pentachloroethane	76-01-7	1 U	1	5	0.88
10237	Propionitrile	107-12-0	29 U	29	98	0.88
10237	Styrene	100-42-5	1 U	1	5	0.88
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.88
10237	1,1,1,2-Tetrachloroethane	79-34-5	1 U	1	5	0.88
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.88
10237	Toluene	108-88-3	1 U	1	5	0.88
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.88
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.88
10237	Trichloroethene	79-01-6	1 U	1	5	0.88
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.88

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.88
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.88
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.88
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.88
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5	J 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	18	U 18	37	1
10726	2-Acetylaminofluorene	53-96-3	74	U 74	180	1
10726	4-Aminobiphenyl	92-67-1	180	U 180	550	1
10726	Aniline	62-53-3	180	U 180	550	1
10726	Anthracene	120-12-7	9	J 4	19	1
10726	Benzo(a)anthracene	56-55-3	46	4	19	1
10726	Benzo(a)pyrene	50-32-8	49	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	72	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	38	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	25	4	19	1
10726	Benzyl alcohol	100-51-6	180	U 180	550	1
10726	1,1'-Biphenyl	92-52-4	18	U 18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	18	U 18	37	1
10726	Butylbenzylphthalate	85-68-7	74	U 74	180	1
10726	Di-n-butylphthalate	84-74-2	74	U 74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	18	U 18	37	1
10726	4-Chloroaniline	106-47-8	18	U 18	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	18	U 18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	18	U 18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	18	U 18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	36	1
10726	2-Chlorophenol	95-57-8	18	U 18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	18	U 18	37	1
10726	Chrysene	218-01-9	43	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	11	J 4	19	1
10726	Dibenzofuran	132-64-9	18	U 18	37	1
10726	1,2-Dichlorobenzene	95-50-1	18	U 18	37	1
10726	1,3-Dichlorobenzene	541-73-1	18	U 18	37	1
10726	1,4-Dichlorobenzene	106-46-7	18	U 18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	18	U 18	37	1
10726	2,6-Dichlorophenol	87-65-0	18	U 18	37	1
10726	Diethylphthalate	84-66-2	74	U 74	180	1
10726	Dimethoate	60-51-5	180	U 180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	74	U 74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	18	U 18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	550	U 550	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	18	U 18	37	1
10726	Dimethylphthalate	131-11-3	74	U 74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	180	U 180	550	1
10726	1,3-Dinitrobenzene	99-65-0	74	U 74	180	1
10726	2,4-Dinitrophenol	51-28-5	330	U 330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	74	U 74	180	1
10726	2,6-Dinitrotoluene	606-20-2	18	U 18	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	18	U 18	37	1
10726	Ethyl methanesulfonate	62-50-0	74	U 74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	74	U 74	190	1
10726	Fluoranthene	206-44-0	88	4	19	1
10726	Fluorene	86-73-7	4	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	18	U 18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	180	U 180	550	1
10726	Hexachloroethane	67-72-1	37	U 37	180	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	35	4	19	1
10726	Isodrin	465-73-6	18	U 18	37	1
10726	Isophorone	78-59-1	18	U 18	37	1
10726	Isosafrole	120-58-1	74	U 74	180	1
10726	Methapyrilene	91-80-5	1,800	U 1,800	5,500	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	37	U 37	180	1
10726	3-Methylcholanthrene	56-49-5	18	U 18	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	18	U 18	37	1
10726	4-Methylphenol	106-44-5	18	U 18	37	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	920	U 920	3,700	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	180	U 180	550	1
10726	2-Naphthylamine	91-59-8	180	U 180	550	1
10726	2-Nitroaniline	88-74-4	18	U 18	37	1
10726	3-Nitroaniline	99-09-2	74	U 74	180	1
10726	4-Nitroaniline	100-01-6	74	U 74	180	1
10726	Nitrobenzene	98-95-3	18	U 18	37	1
10726	5-Nitro-o-toluidine	99-55-8	180	U 180	550	1
10726	2-Nitrophenol	88-75-5	18	U 18	37	1
10726	4-Nitrophenol	100-02-7	180	U 180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	18	U 18	37	1
10726	N-Nitrosodimethylamine	62-75-9	74	U 74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	74	U 74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	18	U 18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	18	U 18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	74	U 74	180	1
10726	N-Nitrosomorpholine	59-89-2	74	U 74	180	1
10726	N-Nitrosopiperidine	100-75-4	18	U 18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	18	U 18	37	1
10726	Di-n-octylphthalate	117-84-0	74	U 74	180	1
10726	Pentachlorobenzene	608-93-5	18	U 18	37	1
10726	Pentachloronitrobenzene	82-68-8	74	U 74	180	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	74	U 74	180	1
10726	Phenanthrene	85-01-8	45	4	19	1
10726	Phenol	108-95-2	18	U 18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	180	1
10726	Pyrene	129-00-0	76	4	19	1
10726	Pyridine	110-86-1	74	U 74	180	1
10726	Safrole	94-59-7	74	U 74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	18	U 18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	74	U 74	180	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	74	U 74	180	1
10726	Thionazin	297-97-2	74	U 74	180	1
10726	o-Toluidine	95-53-4	220	U 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	18	U 18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	18	U 18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	18	U 18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	74	U 74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	180	U 180	550	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.6 U	5.6
12925	Ethylene glycol	107-21-1	5.6 U	5.6
12925	Propylene glycol	57-55-6	5.6 U	5.6
12925	Triethylene glycol	112-27-6	5.6 U	5.6

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	35.0	0.0362
06947	Beryllium	7440-41-7	0.611 J	0.0735
06949	Cadmium	7440-43-9	0.121 J	0.0362

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	5.33	0.121	3.29	1
06952	Cobalt	7440-48-4	2.46	0.105	1.10	1
06953	Copper	7440-50-8	4.58	0.362	2.19	1
06961	Nickel	7440-02-0	65.2	0.164	2.19	1
06966	Silver	7440-22-4	0.208 U	0.208	1.10	1
06969	Tin	7440-31-5	2.98 J	0.472	21.9	1
06971	Vanadium	7440-62-2	12.4	0.0998	1.10	1
06972	Zinc	7440-66-6	18.7	0.285	4.39	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.294 J	0.0926	0.439	2
06125	Arsenic	7440-38-2	1.56	0.0937	0.877	2
06135	Lead	7439-92-1	11.4	0.0141	0.439	2
06141	Selenium	7782-49-2	0.180 J	0.110	0.877	2
06145	Thallium	7440-28-0	0.213 J	0.0329	0.219	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0129 J	0.0108	0.217	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	10.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 14:19	Chelsea B Stong	0.88
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 14:47	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 14:47	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 14:47	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 00:20	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-4 Soil
SOIL 2014

LL Sample # SW 7711214
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:47 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1604

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 04:22	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:40	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:34	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:34	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:34	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:34	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:34	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:37	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	45	7	19	0.84
10237	Acetonitrile	75-05-8	24 U	24	97	0.84
10237	Acrolein	107-02-8	19 U	19	97	0.84
10237	Acrylonitrile	107-13-1	4 U	4	19	0.84
10237	Allyl Chloride	107-05-1	1 U	1	5	0.84
10237	Benzene	71-43-2	0.5 U	0.5	5	0.84
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.84
10237	Bromoform	75-25-2	1 U	1	5	0.84
10237	Bromomethane	74-83-9	2 U	2	5	0.84
10237	2-Butanone	78-93-3	4 U	4	10	0.84
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.84
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.84
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.84
10237	Chlorobenzene	108-90-7	1 U	1	5	0.84
10237	Chloroethane	75-00-3	2 U	2	5	0.84
10237	Chloroform	67-66-3	1 U	1	5	0.84
10237	Chloromethane	74-87-3	2 U	2	5	0.84
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.84
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.84
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.84
10237	Dibromomethane	74-95-3	1 U	1	5	0.84
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.84
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.84
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.84
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.84
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.84
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.84
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.84
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.84
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.84
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.84
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.84
10237	Ethylbenzene	100-41-4	1 U	1	5	0.84
10237	2-Hexanone	591-78-6	3 U	3	10	0.84
10237	Isobutyl Alcohol	78-83-1	97 U	97	240	0.84
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.84
10237	Methyl Iodide	74-88-4	3 U	3	5	0.84
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.84
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.84
10237	Methylene Chloride	75-09-2	2 U	2	5	0.84
10237	Pentachloroethane	76-01-7	1 U	1	5	0.84
10237	Propionitrile	107-12-0	29 U	29	97	0.84
10237	Styrene	100-42-5	1 U	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.84
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.84
10237	Tetrachloroethene	127-18-4	4 J	1	5	0.84
10237	Toluene	108-88-3	1 U	1	5	0.84
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.84
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.84
10237	Trichloroethene	79-01-6	1 U	1	5	0.84
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.84

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.84
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.84
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.84
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.84
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	19	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	4 U	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	4	U 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	4	U 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	4	U 4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.8 U	5.8
12925	Ethylene glycol	107-21-1	5.8 U	5.8
12925	Propylene glycol	57-55-6	5.8 U	5.8
12925	Triethylene glycol	112-27-6	5.8 U	5.8

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	17.1	0.0366
06947	Beryllium	7440-41-7	0.662 J	0.0742
06949	Cadmium	7440-43-9	0.0798 J	0.0366

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
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Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	3.24 J	0.122	3.32	1
06952	Cobalt	7440-48-4	0.974 J	0.106	1.11	1
06953	Copper	7440-50-8	2.26	0.366	2.22	1
06961	Nickel	7440-02-0	25.1	0.166	2.22	1
06966	Silver	7440-22-4	0.210 U	0.210	1.11	1
06969	Tin	7440-31-5	3.23 J	0.476	22.2	1
06971	Vanadium	7440-62-2	8.18	0.101	1.11	1
06972	Zinc	7440-66-6	13.6	0.288	4.43	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.310 J	0.0935	0.443	2
06125	Arsenic	7440-38-2	1.64	0.0946	0.886	2
06135	Lead	7439-92-1	10.7	0.0142	0.443	2
06141	Selenium	7782-49-2	0.321 J	0.111	0.886	2
06145	Thallium	7440-28-0	0.164 J	0.0332	0.222	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0222 J	0.0114	0.228	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 14:42	Chelsea B Stong	0.84
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 15:37	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 15:37	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 15:37	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 00:44	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-5 Soil
SOIL 2014

LL Sample # SW 7711215
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:37 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1605

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 04:36	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:43	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:36	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:36	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:36	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:36	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:36	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:43	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	19	4	13	0.46
10237	Acetonitrile	75-05-8	16 U	16	63	0.46
10237	Acrolein	107-02-8	13 U	13	63	0.46
10237	Acrylonitrile	107-13-1	3 U	3	13	0.46
10237	Allyl Chloride	107-05-1	0.6 U	0.6	3	0.46
10237	Benzene	71-43-2	0.3 U	0.3	3	0.46
10237	Bromodichloromethane	75-27-4	0.6 U	0.6	3	0.46
10237	Bromoform	75-25-2	0.6 U	0.6	3	0.46
10237	Bromomethane	74-83-9	1 U	1	3	0.46
10237	2-Butanone	78-93-3	3 U	3	6	0.46
10237	Carbon Disulfide	75-15-0	1 J	0.6	3	0.46
10237	Carbon Tetrachloride	56-23-5	0.6 U	0.6	3	0.46
10237	2-Chloro-1,3-butadiene	126-99-8	0.6 U	0.6	3	0.46
10237	Chlorobenzene	108-90-7	0.6 U	0.6	3	0.46
10237	Chloroethane	75-00-3	1 U	1	3	0.46
10237	Chloroform	67-66-3	0.6 U	0.6	3	0.46
10237	Chloromethane	74-87-3	1 U	1	3	0.46
10237	1,2-Dibromo-3-chloropropane	96-12-8	1 U	1	3	0.46
10237	Dibromochloromethane	124-48-1	0.6 U	0.6	3	0.46
10237	1,2-Dibromoethane	106-93-4	0.6 U	0.6	3	0.46
10237	Dibromomethane	74-95-3	0.6 U	0.6	3	0.46
10237	trans-1,4-Dichloro-2-butene	110-57-6	6 U	6	32	0.46
10237	Dichlorodifluoromethane	75-71-8	1 U	1	3	0.46
10237	1,1-Dichloroethane	75-34-3	0.6 U	0.6	3	0.46
10237	1,2-Dichloroethane	107-06-2	0.6 U	0.6	3	0.46
10237	1,1-Dichloroethene	75-35-4	0.6 U	0.6	3	0.46
10237	cis-1,2-Dichloroethene	156-59-2	0.6 U	0.6	3	0.46
10237	trans-1,2-Dichloroethene	156-60-5	0.6 U	0.6	3	0.46
10237	1,2-Dichloropropane	78-87-5	0.6 U	0.6	3	0.46
10237	cis-1,3-Dichloropropene	10061-01-5	0.6 U	0.6	3	0.46
10237	trans-1,3-Dichloropropene	10061-02-6	0.6 U	0.6	3	0.46
10237	Ethyl Methacrylate	97-63-2	0.6 U	0.6	3	0.46
10237	Ethylbenzene	100-41-4	0.6 U	0.6	3	0.46
10237	2-Hexanone	591-78-6	2 U	2	6	0.46
10237	Isobutyl Alcohol	78-83-1	63 U	63	160	0.46
10237	Methacrylonitrile	126-98-7	3 U	3	32	0.46
10237	Methyl Iodide	74-88-4	2 U	2	3	0.46
10237	Methyl Methacrylate	80-62-6	0.6 U	0.6	3	0.46
10237	4-Methyl-2-pentanone	108-10-1	2 U	2	6	0.46
10237	Methylene Chloride	75-09-2	1 U	1	3	0.46
10237	Pentachloroethane	76-01-7	0.6 U	0.6	3	0.46
10237	Propionitrile	107-12-0	19 U	19	63	0.46
10237	Styrene	100-42-5	0.6 U	0.6	3	0.46
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.6 U	0.6	3	0.46
10237	1,1,2,2-Tetrachloroethane	79-34-5	0.6 U	0.6	3	0.46
10237	Tetrachloroethene	127-18-4	0.6 U	0.6	3	0.46
10237	Toluene	108-88-3	0.6 U	0.6	3	0.46
10237	1,1,1-Trichloroethane	71-55-6	0.6 U	0.6	3	0.46
10237	1,1,2-Trichloroethane	79-00-5	0.6 U	0.6	3	0.46
10237	Trichloroethene	79-01-6	0.6 U	0.6	3	0.46
10237	Trichlorofluoromethane	75-69-4	1 U	1	3	0.46

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.6 U	0.6	3	0.46
10237	Vinyl Acetate	108-05-4	1 U	1	6	0.46
10237	Vinyl Chloride	75-01-4	0.6 U	0.6	3	0.46
10237	Xylene (Total)	1330-20-7	0.6 U	0.6	3	0.46
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5 U	5	23	1
10726	Acenaphthylene	208-96-8	5 U	5	23	1
10726	Acetophenone	98-86-2	23 U	23	45	1
10726	2-Acetylaminofluorene	53-96-3	90 U	90	230	1
10726	4-Aminobiphenyl	92-67-1	230 U	230	680	1
10726	Aniline	62-53-3	230 U	230	680	1
10726	Anthracene	120-12-7	5 U	5	23	1
10726	Benzo(a)anthracene	56-55-3	5 U	5	23	1
10726	Benzo(a)pyrene	50-32-8	5 U	5	23	1
10726	Benzo(b)fluoranthene	205-99-2	5 U	5	23	1
10726	Benzo(g,h,i)perylene	191-24-2	5 U	5	23	1
10726	Benzo(k)fluoranthene	207-08-9	5 U	5	23	1
10726	Benzyl alcohol	100-51-6	230 U	230	680	1
10726	1,1'-Biphenyl	92-52-4	23 U	23	45	1
10726	4-Bromophenyl-phenylether	101-55-3	23 U	23	45	1
10726	Butylbenzylphthalate	85-68-7	90 U	90	230	1
10726	Di-n-butylphthalate	84-74-2	90 U	90	230	1
10726	4-Chloro-3-methylphenol	59-50-7	23 U	23	45	1
10726	4-Chloroaniline	106-47-8	23 U	23	45	1
10726	Chlorobenzilate	510-15-6	45 U	45	230	1
10726	bis(2-Chloroethoxy)methane	111-91-1	23 U	23	45	1
10726	bis(2-Chloroethyl)ether	111-44-4	23 U	23	45	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	23 U	23	45	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	45	1
10726	2-Chlorophenol	95-57-8	23 U	23	45	1
10726	4-Chlorophenyl-phenylether	7005-72-3	23 U	23	45	1
10726	Chrysene	218-01-9	5 U	5	23	1
10726	Diallate TRANS/CIS	2303-16-4	45 U	45	230	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	23	1
10726	Dibenzofuran	132-64-9	23 U	23	45	1
10726	1,2-Dichlorobenzene	95-50-1	23 U	23	45	1
10726	1,3-Dichlorobenzene	541-73-1	23 U	23	45	1
10726	1,4-Dichlorobenzene	106-46-7	23 U	23	45	1
10726	3,3'-Dichlorobenzidine	91-94-1	140 U	140	450	1
10726	2,4-Dichlorophenol	120-83-2	23 U	23	45	1
10726	2,6-Dichlorophenol	87-65-0	23 U	23	45	1
10726	Diethylphthalate	84-66-2	90 U	90	230	1
10726	Dimethoate	60-51-5	230 U	230	680	1
10726	p-Dimethylaminoazobenzene	60-11-7	90 U	90	230	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	23 U	23	45	1
10726	3,3'-Dimethylbenzidine	119-93-7	680 U	680	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	23	U 23	45	1
10726	Dimethylphthalate	131-11-3	90	U 90	230	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	230	U 230	680	1
10726	1,3-Dinitrobenzene	99-65-0	90	U 90	230	1
10726	2,4-Dinitrophenol	51-28-5	410	U 410	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	90	U 90	230	1
10726	2,6-Dinitrotoluene	606-20-2	23	U 23	45	1
10726	1,4-Dioxane	123-91-1	140	U 140	450	1
10726	Diphenyl ether	101-84-8	23	U 23	45	1
10726	Ethyl methanesulfonate	62-50-0	90	U 90	230	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	90	U 90	230	1
10726	Fluoranthene	206-44-0	5	U 5	23	1
10726	Fluorene	86-73-7	5	U 5	23	1
10726	Hexachlorobenzene	118-74-1	5	U 5	23	1
10726	Hexachlorobutadiene	87-68-3	23	U 23	45	1
10726	Hexachlorocyclopentadiene	77-47-4	230	U 230	680	1
10726	Hexachloroethane	67-72-1	45	U 45	230	1
10726	Hexachloropropene	1888-71-7	140	U 140	450	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	U 5	23	1
10726	Isodrin	465-73-6	23	U 23	45	1
10726	Isophorone	78-59-1	23	U 23	45	1
10726	Isosafrole	120-58-1	90	U 90	230	1
10726	Methapyrilene	91-80-5	2,300	U 2,300	6,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	45	U 45	230	1
10726	3-Methylcholanthrene	56-49-5	23	U 23	45	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	23	1
10726	2-Methylphenol	95-48-7	23	U 23	45	1
10726	4-Methylphenol	106-44-5	23	U 23	45	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	5	U 5	23	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,500	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	230	U 230	680	1
10726	2-Naphthylamine	91-59-8	230	U 230	680	1
10726	2-Nitroaniline	88-74-4	23	U 23	45	1
10726	3-Nitroaniline	99-09-2	90	U 90	230	1
10726	4-Nitroaniline	100-01-6	90	U 90	230	1
10726	Nitrobenzene	98-95-3	23	U 23	45	1
10726	5-Nitro-o-toluidine	99-55-8	230	U 230	680	1
10726	2-Nitrophenol	88-75-5	23	U 23	45	1
10726	4-Nitrophenol	100-02-7	230	U 230	680	1
10726	4-Nitroquinoline-1-oxide	56-57-5	450	U 450	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	23	U 23	45	1
10726	N-Nitrosodimethylamine	62-75-9	90	U 90	230	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	90	U 90	230	1
10726	N-Nitroso-di-n-propylamine	621-64-7	23	U 23	45	1
10726	N-Nitrosodiphenylamine	86-30-6	23	U 23	45	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	90	U 90	230	1
10726	N-Nitrosomorpholine	59-89-2	90	U 90	230	1
10726	N-Nitrosopiperidine	100-75-4	23	U 23	45	1
10726	N-Nitrosopyrrolidine	930-55-2	23	U 23	45	1
10726	Di-n-octylphthalate	117-84-0	90	U 90	230	1
10726	Pentachlorobenzene	608-93-5	23	U 23	45	1
10726	Pentachloronitrobenzene	82-68-8	90	U 90	230	1
10726	Pentachlorophenol	87-86-5	45	U 45	230	1
10726	Phenacetin	62-44-2	90	U 90	230	1
10726	Phenanthrene	85-01-8	5	U 5	23	1
10726	Phenol	108-95-2	23	U 23	45	1
10726	1,4-Phenylenediamine	106-50-3	16,000	U 16,000	45,000	1
10726	2-Picoline	109-06-8	140	U 140	450	1
10726	Pronamide	23950-58-5	45	U 45	230	1
10726	Pyrene	129-00-0	5	U 5	23	1
10726	Pyridine	110-86-1	90	U 90	230	1
10726	Safrole	94-59-7	90	U 90	230	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	23	U 23	45	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	90	U 90	230	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	90	U 90	230	1
10726	Thionazin	297-97-2	90	U 90	230	1
10726	o-Toluidine	95-53-4	270	U 270	900	1
10726	1,2,4-Trichlorobenzene	120-82-1	23	U 23	45	1
10726	2,4,5-Trichlorophenol	95-95-4	23	U 23	45	1
10726	2,4,6-Trichlorophenol	88-06-2	23	U 23	45	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	90	U 90	230	1
10726	1,3,5-Trinitrobenzene	99-35-4	230	U 230	680	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.8 U	6.8
12925	Ethylene glycol	107-21-1	6.8 U	6.8
12925	Propylene glycol	57-55-6	6.8 U	6.8
12925	Triethylene glycol	112-27-6	6.8 U	6.8

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	41.3	0.0438
06947	Beryllium	7440-41-7	1.15 J	0.0889
06949	Cadmium	7440-43-9	0.0703 J	0.0438

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1606

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	4.22	0.146	3.98	1
06952	Cobalt	7440-48-4	2.71	0.127	1.33	1
06953	Copper	7440-50-8	3.12	0.438	2.65	1
06961	Nickel	7440-02-0	13.9	0.199	2.65	1
06966	Silver	7440-22-4	0.252 U	0.252	1.33	1
06969	Tin	7440-31-5	3.71 J	0.570	26.5	1
06971	Vanadium	7440-62-2	9.43	0.121	1.33	1
06972	Zinc	7440-66-6	13.9	0.345	5.31	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.225 J	0.112	0.531	2
06125	Arsenic	7440-38-2	2.05	0.113	1.06	2
06135	Lead	7439-92-1	14.9	0.0170	0.531	2
06141	Selenium	7782-49-2	0.350 J	0.133	1.06	2
06145	Thallium	7440-28-0	0.274	0.0398	0.265	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0216 J	0.0136	0.272	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	26.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 15:04	Chelsea B Stong	0.46
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 15:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 15:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 15:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 01:09	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-6 Soil
SOIL 2014

LL Sample # SW 7711216
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 15:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1606

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 04:51	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:47	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:38	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:38	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:38	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:38	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:38	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:45	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1607

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	44	8	23	1
10237	Acetonitrile	75-05-8	29	U	120	1
10237	Acrolein	107-02-8	23	U	120	1
10237	Acrylonitrile	107-13-1	5	U	23	1
10237	Allyl Chloride	107-05-1	1	U	6	1
10237	Benzene	71-43-2	0.6	U	6	1
10237	Bromodichloromethane	75-27-4	1	U	6	1
10237	Bromoform	75-25-2	1	U	6	1
10237	Bromomethane	74-83-9	2	U	6	1
10237	2-Butanone	78-93-3	5	U	12	1
10237	Carbon Disulfide	75-15-0	1	U	6	1
10237	Carbon Tetrachloride	56-23-5	1	U	6	1
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	1
10237	Chlorobenzene	108-90-7	1	U	6	1
10237	Chloroethane	75-00-3	2	U	6	1
10237	Chloroform	67-66-3	1	U	6	1
10237	Chloromethane	74-87-3	2	U	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	1
10237	Dibromochloromethane	124-48-1	1	U	6	1
10237	1,2-Dibromoethane	106-93-4	1	U	6	1
10237	Dibromomethane	74-95-3	1	U	6	1
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	59	1
10237	Dichlorodifluoromethane	75-71-8	2	U	6	1
10237	1,1-Dichloroethane	75-34-3	1	U	6	1
10237	1,2-Dichloroethane	107-06-2	1	U	6	1
10237	1,1-Dichloroethene	75-35-4	1	U	6	1
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	1
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	1
10237	1,2-Dichloropropane	78-87-5	1	U	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	1
10237	Ethyl Methacrylate	97-63-2	1	U	6	1
10237	Ethylbenzene	100-41-4	1	U	6	1
10237	2-Hexanone	591-78-6	4	U	12	1
10237	Isobutyl Alcohol	78-83-1	120	U	290	1
10237	Methacrylonitrile	126-98-7	6	U	59	1
10237	Methyl Iodide	74-88-4	4	U	6	1
10237	Methyl Methacrylate	80-62-6	1	U	6	1
10237	4-Methyl-2-pentanone	108-10-1	4	U	12	1
10237	Methylene Chloride	75-09-2	2	U	6	1
10237	Pentachloroethane	76-01-7	1	U	6	1
10237	Propionitrile	107-12-0	35	U	120	1
10237	Styrene	100-42-5	1	U	6	1
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	6	1
10237	Tetrachloroethene	127-18-4	2	J	6	1
10237	Toluene	108-88-3	1	U	6	1
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	1
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	1
10237	Trichloroethene	79-01-6	3	J	6	1
10237	Trichlorofluoromethane	75-69-4	2	U	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1607

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1
10237	Vinyl Acetate	108-05-4	2 U	2	12	1
10237	Vinyl Chloride	75-01-4	1 U	1	6	1
10237	Xylene (Total)	1330-20-7	1 U	1	6	1
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	10 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	10 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	16 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	9 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	8 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	13 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1607

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	120	U 120	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	23	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	8	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1607

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	8	J 4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	120	U 120	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	23	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.8 U	5.8
12925	Ethylene glycol	107-21-1	5.8 U	5.8
12925	Propylene glycol	57-55-6	5.8 U	5.8
12925	Triethylene glycol	112-27-6	5.8 U	5.8

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	62.5	0.0374
06947	Beryllium	7440-41-7	1.15	0.0760
06949	Cadmium	7440-43-9	0.185 J	0.0374

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1607

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	5.18	0.125	3.40	1
06952	Cobalt	7440-48-4	3.64	0.109	1.13	1
06953	Copper	7440-50-8	3.41	0.374	2.27	1
06961	Nickel	7440-02-0	18.9	0.170	2.27	1
06966	Silver	7440-22-4	0.215 U	0.215	1.13	1
06969	Tin	7440-31-5	3.27 J	0.488	22.7	1
06971	Vanadium	7440-62-2	18.2	0.103	1.13	1
06972	Zinc	7440-66-6	27.5	0.295	4.54	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.371 J	0.0957	0.454	2
06125	Arsenic	7440-38-2	1.71	0.0969	0.907	2
06135	Lead	7439-92-1	15.1	0.0146	0.454	2
06141	Selenium	7782-49-2	0.327 J	0.113	0.907	2
06145	Thallium	7440-28-0	0.255	0.0340	0.227	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0254 J	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 15:27	Chelsea B Stong	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 16:18	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 16:18	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/10/2014 16:18	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 01:33	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-7 Soil
SOIL 2014

LL Sample # SW 7711217
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
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Submitted: 12/12/2014 22:00
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B1607

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 05:06	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:51	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:41	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:41	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:41	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:41	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:41	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:47	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	7	21	0.9
10237	Acetonitrile	75-05-8	26	U	100	0.9
10237	Acrolein	107-02-8	21	U	21	0.9
10237	Acrylonitrile	107-13-1	4	U	4	0.9
10237	Allyl Chloride	107-05-1	1	U	1	0.9
10237	Benzene	71-43-2	0.5	U	0.5	0.9
10237	Bromodichloromethane	75-27-4	1	U	1	0.9
10237	Bromoform	75-25-2	1	U	1	0.9
10237	Bromomethane	74-83-9	2	U	2	0.9
10237	2-Butanone	78-93-3	4	U	4	0.9
10237	Carbon Disulfide	75-15-0	1	U	1	0.9
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.9
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.9
10237	Chlorobenzene	108-90-7	1	U	1	0.9
10237	Chloroethane	75-00-3	2	U	2	0.9
10237	Chloroform	67-66-3	1	U	1	0.9
10237	Chloromethane	74-87-3	2	U	2	0.9
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.9
10237	Dibromochloromethane	124-48-1	1	U	1	0.9
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.9
10237	Dibromomethane	74-95-3	1	U	1	0.9
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.9
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.9
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.9
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.9
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.9
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.9
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.9
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.9
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.9
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.9
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.9
10237	Ethylbenzene	100-41-4	1	U	1	0.9
10237	2-Hexanone	591-78-6	3	U	3	0.9
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.9
10237	Methacrylonitrile	126-98-7	5	U	5	0.9
10237	Methyl Iodide	74-88-4	3	U	3	0.9
10237	Methyl Methacrylate	80-62-6	1	U	1	0.9
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.9
10237	Methylene Chloride	75-09-2	2	U	2	0.9
10237	Pentachloroethane	76-01-7	1	U	1	0.9
10237	Propionitrile	107-12-0	31	U	31	0.9
10237	Styrene	100-42-5	1	U	1	0.9
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.9
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.9
10237	Tetrachloroethene	127-18-4	1	U	1	0.9
10237	Toluene	108-88-3	1	U	1	0.9
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.9
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.9
10237	Trichloroethene	79-01-6	1	U	1	0.9
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.9

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.9
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.9
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.9
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.9
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	17	J 4	20	1
10726	Acenaphthylene	208-96-8	5	J 4	20	1
10726	Acetophenone	98-86-2	19	U 19	39	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	44	4	20	1
10726	Benzo(a)anthracene	56-55-3	150	4	20	1
10726	Benzo(a)pyrene	50-32-8	140	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	220	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	110	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	78	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	150	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	31	4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	320	4	20	1
10726	Fluorene	86-73-7	17	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	100	4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	J 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	180	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	260	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.8 U	5.8
12925	Ethylene glycol	107-21-1	5.8 U	5.8
12925	Propylene glycol	57-55-6	5.8 U	5.8
12925	Triethylene glycol	112-27-6	5.8 U	5.8

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	43.3	0.0372
06947	Beryllium	7440-41-7	0.876 J	0.0755
06949	Cadmium	7440-43-9	0.0789 J	0.0372

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1608

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	2.01 J	0.124	3.38	1
06952	Cobalt	7440-48-4	1.45	0.108	1.13	1
06953	Copper	7440-50-8	3.10	0.372	2.26	1
06961	Nickel	7440-02-0	13.2	0.169	2.26	1
06966	Silver	7440-22-4	0.214 U	0.214	1.13	1
06969	Tin	7440-31-5	3.20 J	0.485	22.6	1
06971	Vanadium	7440-62-2	8.73	0.103	1.13	1
06972	Zinc	7440-66-6	18.2	0.293	4.51	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0952 U	0.0952	0.451	2
06125	Arsenic	7440-38-2	0.756 J	0.0963	0.902	2
06135	Lead	7439-92-1	9.43	0.0145	0.451	2
06141	Selenium	7782-49-2	0.242 J	0.113	0.902	2
06145	Thallium	7440-28-0	0.145 J	0.0338	0.226	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0173 J	0.0114	0.228	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 15:50	Chelsea B Stong	0.9
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201435236465	12/18/2014 09:25	Larry E Bevins	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 08:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 08:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 01:58	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-8 Soil
SOIL 2014

LL Sample # SW 7711218
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1608

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 05:21	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:50	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:43	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:43	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:43	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:43	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:43	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:36	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	29	7	21	0.9
10237	Acetonitrile	75-05-8	26	U	100	0.9
10237	Acrolein	107-02-8	21	U	21	0.9
10237	Acrylonitrile	107-13-1	4	U	4	0.9
10237	Allyl Chloride	107-05-1	1	U	1	0.9
10237	Benzene	71-43-2	0.5	U	0.5	0.9
10237	Bromodichloromethane	75-27-4	1	U	1	0.9
10237	Bromoform	75-25-2	1	U	1	0.9
10237	Bromomethane	74-83-9	2	U	2	0.9
10237	2-Butanone	78-93-3	4	U	4	0.9
10237	Carbon Disulfide	75-15-0	1	U	1	0.9
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.9
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.9
10237	Chlorobenzene	108-90-7	1	U	1	0.9
10237	Chloroethane	75-00-3	2	U	2	0.9
10237	Chloroform	67-66-3	1	U	1	0.9
10237	Chloromethane	74-87-3	2	U	2	0.9
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.9
10237	Dibromochloromethane	124-48-1	1	U	1	0.9
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.9
10237	Dibromomethane	74-95-3	1	U	1	0.9
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.9
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.9
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.9
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.9
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.9
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.9
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.9
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.9
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.9
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.9
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.9
10237	Ethylbenzene	100-41-4	1	U	1	0.9
10237	2-Hexanone	591-78-6	3	U	3	0.9
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.9
10237	Methacrylonitrile	126-98-7	5	U	5	0.9
10237	Methyl Iodide	74-88-4	3	U	3	0.9
10237	Methyl Methacrylate	80-62-6	1	U	1	0.9
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.9
10237	Methylene Chloride	75-09-2	10	2	5	0.9
10237	Pentachloroethane	76-01-7	1	U	1	0.9
10237	Propionitrile	107-12-0	31	U	31	0.9
10237	Styrene	100-42-5	1	U	1	0.9
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.9
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.9
10237	Tetrachloroethene	127-18-4	86	1	5	0.9
10237	Toluene	108-88-3	1	U	1	0.9
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.9
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.9
10237	Trichloroethene	79-01-6	1	U	1	0.9
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.9

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.9
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.9
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.9
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.9
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	4 J	4	20	1
10726	Benzo(a)anthracene	56-55-3	11 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	13 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	19 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	10 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	8 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	12 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	120	U 120	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	22	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	10	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	13	J 4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	120	U 120	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	19	J 4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.8 U	5.8
12925	Ethylene glycol	107-21-1	5.8 U	5.8
12925	Propylene glycol	57-55-6	5.8 U	5.8
12925	Triethylene glycol	112-27-6	5.8 U	5.8

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	42.7	0.0371
06947	Beryllium	7440-41-7	0.877 J	0.0754
06949	Cadmium	7440-43-9	0.119 J	0.0371

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	1.95 J	0.124	3.37	1
06952	Cobalt	7440-48-4	1.04 J	0.108	1.12	1
06953	Copper	7440-50-8	2.91	0.371	2.25	1
06961	Nickel	7440-02-0	16.5	0.169	2.25	1
06966	Silver	7440-22-4	0.214 U	0.214	1.12	1
06969	Tin	7440-31-5	3.25 J	0.484	22.5	1
06971	Vanadium	7440-62-2	7.26	0.102	1.12	1
06972	Zinc	7440-66-6	15.2	0.292	4.50	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.100 J	0.0949	0.450	2
06125	Arsenic	7440-38-2	0.946	0.0961	0.900	2
06135	Lead	7439-92-1	12.0	0.0144	0.450	2
06141	Selenium	7782-49-2	0.220 J	0.112	0.900	2
06145	Thallium	7440-28-0	0.167 J	0.0337	0.225	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0169 J	0.0116	0.231	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 16:12	Chelsea B Stong	0.9
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201435236465	12/18/2014 09:26	Larry E Bevins	n.a.
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/10/2014 16:42	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/10/2014 16:42	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 02:23	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-9 Soil
SOIL 2014

LL Sample # SW 7711219
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 16:42 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1609

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 05:36	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:54	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:46	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:46	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:46	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:46	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:46	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:38	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7711220
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1610

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	20	1
10726	Acenaphthylene	208-96-8	4	U 4	20	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	7	J 4	20	1
10726	Benzo(a)anthracene	56-55-3	30	4	20	1
10726	Benzo(a)pyrene	50-32-8	28	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	44	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	21	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	16	J 4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	30	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	6	J 4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7711220
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1610

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	120	U 120	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	64	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	18	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7711220
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B1610

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	30	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	120	U 120	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	55	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethylthiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1

The QC limits for methapyrilene are advisory only.

The recovery for Pronamide in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.9 U	5.9
12925	Ethylene glycol	107-21-1	5.9 U	5.9
12925	Propylene glycol	57-55-6	5.9 U	5.9
12925	Triethylene glycol	112-27-6	5.9 U	5.9

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	66.4	0.0375
06947	Beryllium	7440-41-7	1.02 J	0.0762
06949	Cadmium	7440-43-9	0.139 J	0.0375
06951	Chromium	7440-47-3	3.46	0.125
06952	Cobalt	7440-48-4	2.06	0.109
06953	Copper	7440-50-8	3.16	0.375
06961	Nickel	7440-02-0	67.2	0.171
06966	Silver	7440-22-4	0.216 U	0.216
06969	Tin	7440-31-5	2.88 J	0.489

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7711220
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1610

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06971	Vanadium	7440-62-2	11.3	0.103	1.14	1
06972	Zinc	7440-66-6	28.6	0.296	4.55	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.194 J	0.0960	0.455	2
06125	Arsenic	7440-38-2	1.10	0.0971	0.909	2
06135	Lead	7439-92-1	7.15	0.0146	0.455	2
06141	Selenium	7782-49-2	0.186 J	0.114	0.909	2
06145	Thallium	7440-28-0	0.214 J	0.0341	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0116 U	0.0116	0.233	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLE026	12/20/2014 02:47	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLE026	12/17/2014 08:00	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 05:50	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/23/2014 04:12	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7711220
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 14:09 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B1610

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/23/2014 04:12	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:58	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:48	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:48	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:48	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:48	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:48	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:40	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-4-121014 Blank Water
SOIL 2014

LL Sample # WW 7711221
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16T4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,1,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-4-121014 Blank Water
SOIL 2014

LL Sample # WW 7711221
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16T4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143541AA	12/20/2014 05:12	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143541AA	12/20/2014 05:12	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-4-121014-A Blank Water
SOIL 2014

LL Sample # WW 7711222
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B164A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143501AA	12/16/2014 10:29	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143501AA	12/16/2014 10:29	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-2-121114 Blank Water**
SOIL 2014

LL Sample # **WW 7711223**
LL Group # **1525392**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16E4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-2-121114 Blank Water**
SOIL 2014

LL Sample # **WW 7711223**
LL Group # **1525392**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16E4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	J	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	J	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	23		2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-2-121114 Blank Water**
SOIL 2014

LL Sample # **WW 7711223**
LL Group # **1525392**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16E4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846 8270D		ug/l	ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Fluoranthene	206-44-0	0.2 J	0.1	0.5	1
10461	Fluorene	86-73-7	0.1 U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1 U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	15 U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1 U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	Naphthalene	91-20-3	0.1 U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25 U	25	60	1
10461	1-Naphthylamine	134-32-7	5 U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-2-121114 Blank Water**
SOIL 2014

LL Sample # **WW 7711223**
LL Group # **1525392**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16E4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5
10461	Pentachlorophenol	87-86-5	1	U	1	5
10461	Phenacetin	62-44-2	0.5	U	0.5	1
10461	Phenanthrene	85-01-8	0.1	J	0.1	0.5
10461	Phenol	108-95-2	0.5	U	0.5	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300
10461	2-Picoline	109-06-8	2	U	2	5
10461	Pronamide	23950-58-5	0.5	U	0.5	1
10461	Pyrene	129-00-0	0.2	J	0.1	0.5
10461	Pyridine	110-86-1	2	U	2	5
10461	Safrole	94-59-7	2	U	2	5
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5
10461	Thionazin	297-97-2	2	U	2	5
10461	o-Toluidine	95-53-4	0.5	U	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15
	The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.					
Pesticides/PCBs	SW-846 8082A		ug/l	ug/l	ug/l	
10591	PCB-1016	12674-11-2	0.081	U	0.081	0.41
10591	PCB-1221	11104-28-2	0.081	U	0.081	0.41
10591	PCB-1232	11141-16-5	0.16	U	0.16	0.41
10591	PCB-1242	53469-21-9	0.081	U	0.081	0.41
10591	PCB-1248	12672-29-6	0.081	U	0.081	0.41
10591	PCB-1254	11097-69-1	0.081	U	0.081	0.41
10591	PCB-1260	11096-82-5	0.12	U	0.12	0.41
GC Miscellaneous	SW-846 8015C Feb 2007		mg/l	mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10
12926	Propylene glycol	57-55-6	8.0	U	8.0	10
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10
Metals	SW-846 6010C		mg/l	mg/l	mg/l	

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-2-121114 Blank Water**
SOIL 2014

LL Sample # **WW 7711223**
LL Group # **1525392**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16E4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0031 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07049	Cadmium	7440-43-9	0.00033 U		0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0079 J		0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0201		0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0119 J		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00039 J		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U		0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143541AA	12/20/2014 05:33	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143541AA	12/20/2014 05:33	Stephanie A Selis	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14351WAI026	12/22/2014 20:06	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14351WAI026	12/18/2014 07:00	Jessica M Velez	1
10591	PCBs	SW-846 8082A	1	143520006A	12/19/2014 08:55	Monica M Souders	1
11121	PCB Waters Update IV Ext	SW-846 3510C	2	143520006A	12/18/2014 14:00	Seth A Farrier	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580017A	12/24/2014 12:14	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-2-121114 Blank Water
SOIL 2014

LL Sample # WW 7711223
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16E4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07049	Cadmium	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:40	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143560639002A	12/24/2014 08:51	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143560639002A	12/24/2014 07:04	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143560639002A	12/24/2014 07:04	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143560639002B	12/24/2014 07:04	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143560639002A	12/24/2014 07:04	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143525713007	12/22/2014 11:49	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639002	12/23/2014 08:48	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143525713007	12/20/2014 08:53	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-2-121114-A Blank Water
SOIL 2014

LL Sample # WW 7711224
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

16E4A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l		ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143501AA	12/16/2014 10:53	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143501AA	12/16/2014 10:53	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-2-121114 Blank Water
SOIL 2014

LL Sample # WW 7711225
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16T2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	1
10335	Acetonitrile	75-05-8	25	U	25	1
10335	Acrolein	107-02-8	40	U	40	1
10335	Acrylonitrile	107-13-1	4	U	4	1
10335	Allyl Chloride	107-05-1	1	U	1	1
10335	Benzene	71-43-2	0.5	U	0.5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1
10335	Bromoform	75-25-2	0.5	U	0.5	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1
10335	2-Butanone	78-93-3	3	U	3	1
10335	Carbon Disulfide	75-15-0	1	U	1	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1
10335	Chloroform	67-66-3	0.5	U	0.5	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1
10335	2-Hexanone	591-78-6	3	U	3	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	1
10335	Methacrylonitrile	126-98-7	10	U	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1
10335	Methyl Methacrylate	80-62-6	1	U	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	1
10335	Methylene Chloride	75-09-2	2	U	2	1
10335	Pentachloroethane	76-01-7	1	U	1	1
10335	Propionitrile	107-12-0	30	U	30	1
10335	Styrene	100-42-5	1	U	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1
10335	Toluene	108-88-3	0.5	U	0.5	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-2-121114 Blank Water
SOIL 2014

LL Sample # WW 7711225
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16T2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143541AA	12/20/2014 05:55	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143541AA	12/20/2014 05:55	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-2-121114-A Blank Water
SOIL 2014

LL Sample # WW 7711226
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 15:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16A2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l		ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143501AA	12/16/2014 11:16	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143501AA	12/16/2014 11:16	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-5-121114 Blank Water
SOIL 2014

LL Sample # WW 7711227
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16T5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-5-121114 Blank Water
SOIL 2014

LL Sample # WW 7711227
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/30/2014 14:15

B16T5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143541AA	12/20/2014 06:15	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143541AA	12/20/2014 06:15	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-5-121114-A Blank Water
SOIL 2014

LL Sample # WW 7711228
LL Group # 1525392
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:00 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/30/2014 14:15

B16A5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l		ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/12/14 at 09:15.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143501AA	12/16/2014 11:40	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143501AA	12/16/2014 11:40	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: A143521AA										
Sample number(s): 7711211-7711219										
Acetone	7	U	7.	20	ug/kg	86	81	53-141	6	30
Acetonitrile	25	U	25.	100	ug/kg	94	102	61-147	8	30
Acrolein	20	U	20.	100	ug/kg	83	89	58-122	8	30
Acrylonitrile	4	U	4.	20	ug/kg	83	78	58-123	6	30
Allyl Chloride	1	U	1.	5	ug/kg	96	97	61-132	2	30
Benzene	0.5	U	0.5	5	ug/kg	100	100	80-120	1	30
Bromodichloromethane	1	U	1.	5	ug/kg	97	95	75-120	3	30
Bromoform	1	U	1.	5	ug/kg	89	83	70-126	6	30
Bromomethane	2	U	2.	5	ug/kg	94	94	32-162	0	30
2-Butanone	4	U	4.	10	ug/kg	81	75	62-123	8	30
Carbon Disulfide	1	U	1.	5	ug/kg	93	91	63-128	2	30
Carbon Tetrachloride	1	U	1.	5	ug/kg	112	110	69-130	2	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	100	98	73-120	2	30
Chlorobenzene	1	U	1.	5	ug/kg	102	101	80-120	1	30
Chloroethane	2	U	2.	5	ug/kg	90	91	17-171	1	30
Chloroform	1	U	1.	5	ug/kg	106	103	80-125	3	30
Chloromethane	2	U	2.	5	ug/kg	93	94	56-120	1	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	83	78	59-122	6	30
Dibromochloromethane	1	U	1.	5	ug/kg	97	96	77-120	2	30
1,2-Dibromoethane	1	U	1.	5	ug/kg	98	95	80-120	3	30
Dibromomethane	1	U	1.	5	ug/kg	100	98	80-120	2	30
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	99	94	70-128	5	30
Dichlorodifluoromethane	2	U	2.	5	ug/kg	116	111	26-137	4	30
1,1-Dichloroethane	1	U	1.	5	ug/kg	97	97	80-122	1	30
1,2-Dichloroethane	1	U	1.	5	ug/kg	108	105	77-130	3	30
1,1-Dichloroethene	1	U	1.	5	ug/kg	106	104	73-129	1	30
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	104	103	80-120	1	30
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	107	106	80-129	2	30
1,2-Dichloropropane	1	U	1.	5	ug/kg	95	95	80-120	0	30
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	91	92	74-120	0	30
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	95	95	76-120	0	30
Ethyl Methacrylate	1	U	1.	5	ug/kg	86	82	65-120	5	30
Ethylbenzene	1	U	1.	5	ug/kg	103	102	80-120	2	30
2-Hexanone	3	U	3.	10	ug/kg	62	57	51-120	8	30
Isobutyl Alcohol	100	U	100.	250	ug/kg	78	78	64-121	0	30
Methacrylonitrile	5	U	5.	50	ug/kg	92	87	73-127	6	30
Methyl Iodide	3	U	3.	5	ug/kg	100	100	72-130	0	30
Methyl Methacrylate	1	U	1.	5	ug/kg	89	82	60-120	8	30
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	66	62	57-123	7	30
Methylene Chloride	2	U	2.	5	ug/kg	101	101	80-124	0	30
Pentachloroethane	1	U	1.	5	ug/kg	102	103	71-120	1	30
Propionitrile	30	U	30.	100	ug/kg	85	90	63-131	7	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Styrene	1 U	1.	5	ug/kg	103	101	76-120	2	30
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	102	101	80-120	1	30
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	87	86	71-123	1	30
Tetrachloroethene	1 U	1.	5	ug/kg	101	99	78-120	2	30
Toluene	1 U	1.	5	ug/kg	100	100	80-120	0	30
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	95	95	63-135	1	30
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	96	93	80-120	3	30
Trichloroethene	1 U	1.	5	ug/kg	105	104	80-125	1	30
Trichlorofluoromethane	2 U	2.	5	ug/kg	116	110	58-133	6	30
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	94	90	71-123	5	30
Vinyl Acetate	2 U	2.	10	ug/kg	61	58	40-127	6	30
Vinyl Chloride	1 U	1.	5	ug/kg	102	101	59-120	1	30
Xylene (Total)	1 U	1.	5	ug/kg	103	102	80-120	1	30

Batch number: T143501AA

Sample number(s): 7711222,7711224,7711226,7711228

Acrolein	40 U	40.	100	ug/l	115	113	59-120	2	30
Acrylonitrile	4 U	4.	20	ug/l	105	107	62-120	2	30

Batch number: Y143541AA

Sample number(s): 7711221,7711223,7711225,7711227

Acetone	6 U	6.	20	ug/l	93	91	55-129	2	30
Acetonitrile	25 U	25.	100	ug/l	105	110	49-163	4	30
Acrolein	40 U	40.	100	ug/l	105	108	59-120	3	30
Acrylonitrile	4 U	4.	20	ug/l	88	89	62-120	1	30
Allyl Chloride	1 U	1.	5	ug/l	93	93	56-120	0	30
Benzene	0.5 U	0.5	1	ug/l	101	101	78-120	1	30
Bromodichloromethane	0.5 U	0.5	1	ug/l	87	87	73-120	0	30
Bromoform	0.5 U	0.5	4	ug/l	69	70	61-120	1	30
Bromomethane	0.5 U	0.5	1	ug/l	78	80	53-130	3	30
2-Butanone	3 U	3.	10	ug/l	98	98	54-133	1	30
Carbon Disulfide	1 U	1.	5	ug/l	73	73	58-126	0	30
Carbon Tetrachloride	0.5 U	0.5	1	ug/l	88	89	74-130	1	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/l	94	95	73-120	1	30
Chlorobenzene	0.5 U	0.5	1	ug/l	102	103	80-120	0	30
Chloroethane	0.5 U	0.5	1	ug/l	81	87	56-120	6	30
Chloroform	0.5 U	0.5	1	ug/l	98	99	80-122	1	30
Chloromethane	0.5 U	0.5	1	ug/l	94	94	63-120	0	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/l	81	84	56-120	3	30
Dibromochloromethane	0.5 U	0.5	1	ug/l	85	86	72-120	0	30
1,2-Dibromoethane	0.5 U	0.5	1	ug/l	102	102	80-120	1	30
Dibromomethane	0.5 U	0.5	1	ug/l	95	96	80-120	1	30
trans-1,4-Dichloro-2-butene	15 U	15.	50	ug/l	86	87	47-139	1	30
Dichlorodifluoromethane	0.5 U	0.5	1	ug/l	89	89	55-127	1	30
1,1-Dichloroethane	0.5 U	0.5	1	ug/l	93	99	80-120	6	30
1,2-Dichloroethane	0.5 U	0.5	1	ug/l	99	100	65-135	1	30
1,1-Dichloroethene	0.5 U	0.5	1	ug/l	92	92	76-124	1	30
cis-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	100	101	80-120	1	30
trans-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	97	100	80-120	3	30
1,2-Dichloropropane	0.5 U	0.5	1	ug/l	99	100	80-120	1	30
cis-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	89	90	80-120	1	30
trans-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	86	88	76-120	2	30
Ethyl Methacrylate	1 U	1.	5	ug/l	97	97	73-120	0	30
Ethylbenzene	0.5 U	0.5	1	ug/l	101	102	79-120	1	30
2-Hexanone	3 U	3.	10	ug/l	99	100	57-127	1	30
Isobutyl Alcohol	100 U	100.	250	ug/l	104	105	63-134	1	30
Methacrylonitrile	10 U	10.	50	ug/l	98	97	75-120	1	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max
Methyl Iodide	0.5 U	0.5	1	ug/l	91	92	75-128	1	30
Methyl Methacrylate	1 U	1.	5	ug/l	95	93	71-120	1	30
4-Methyl-2-pentanone	3 U	3.	10	ug/l	101	100	51-124	1	30
Methylene Chloride	2 U	2.	4	ug/l	96	96	80-120	0	30
Pentachloroethane	1 U	1.	5	ug/l	88	88	74-120	0	30
Propionitrile	30 U	30.	100	ug/l	111	114	73-133	2	30
Styrene	1 U	1.	5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	91	92	80-120	1	30
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	99	99	70-120	0	30
Tetrachloroethene	0.5 U	0.5	1	ug/l	101	101	80-120	0	30
Toluene	0.5 U	0.5	1	ug/l	103	103	80-120	0	30
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	81	83	66-126	2	30
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	102	102	80-120	0	30
Trichloroethene	0.5 U	0.5	1	ug/l	102	102	80-120	0	30
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	89	89	58-135	1	30
1,2,3-Trichloropropane	1 U	1.	5	ug/l	101	102	76-120	1	30
Vinyl Acetate	2 U	2.	10	ug/l	65	67	56-135	3	30
Vinyl Chloride	0.5 U	0.5	1	ug/l	100	99	63-120	1	30
Xylene (Total)	0.5 U	0.5	1	ug/l	103	102	80-120	0	30

Batch number: 14350SLE026

Sample number(s): 7711213-7711220

Acenaphthene	3 U	3.	17	ug/kg	97		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	106		83-127		
Acetophenone	17 U	17.	33	ug/kg	93		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	93		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	46		14-89		
Aniline	170 U	170.	500	ug/kg	55		43-110		
Anthracene	3 U	3.	17	ug/kg	101		82-118		
Benzo(a) anthracene	3 U	3.	17	ug/kg	99		76-119		
Benzo(a) pyrene	3 U	3.	17	ug/kg	101		84-122		
Benzo(b) fluoranthene	3 U	3.	17	ug/kg	106		78-129		
Benzo(g,h,i) perylene	3 U	3.	17	ug/kg	99		77-121		
Benzo(k) fluoranthene	3 U	3.	17	ug/kg	103		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	103		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	91		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	97		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	100		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	103		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	112		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	52		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	117		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	95		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	93		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	96		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	83		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	104		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	98		83-115		
Chrysene	3 U	3.	17	ug/kg	97		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	101		76-135		
Dibenz(a,h) anthracene	3 U	3.	17	ug/kg	104		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	95		79-112		
3,3'-Dichlorobenzidine	100		100.	330	ug/kg	71		10-125		
	U									
2,4-Dichlorophenol	17	U	17.	33	ug/kg	107		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	108		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	100		81-118		
Dimethoate	170		170.	500	ug/kg	57		18-80		
	U									
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	100		81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	56		17-78		
	U									
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	105		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	102		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	96		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	105		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	90		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	105		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	110		83-120		
1,4-Dioxane	100		100.	330	ug/kg	60		33-86		
	U									
Diphenyl ether	17	U	17.	33	ug/kg	95		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	97		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	102		81-121		
Fluoranthene	3	U	3.	17	ug/kg	98		75-118		
Fluorene	3	U	3.	17	ug/kg	98		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	92		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	95		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	114		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	95		78-114		
Hexachloropropene	100		100.	330	ug/kg	100		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100		76-122		
Isodrin	17	U	17.	33	ug/kg	102		85-128		
Isophorone	17	U	17.	33	ug/kg	103		83-119		
Isosafrole	67	U	67.	170	ug/kg	104		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	52*		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	96		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	105		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	97		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	108		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	98		75-119		
Naphthalene	3	U	3.	17	ug/kg	96		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	79		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	56		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	46		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	53		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	113		84-126		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
3-Nitroaniline	67 U	67.	170	ug/kg	91		66-119		
4-Nitroaniline	67 U	67.	170	ug/kg	70		48-112		
Nitrobenzene	17 U	17.	33	ug/kg	94		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	107		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	105		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	96		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	98		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	105		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	94		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	98		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	87		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	98		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	100		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	103		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	123		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	93		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	98		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	83		46-133		
Phenacetin	67 U	67.	170	ug/kg	102		76-119		
Phenanthrene	3 U	3.	17	ug/kg	90		80-114		
Phenol	17 U	17.	33	ug/kg	97		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	80		64-108		
Pronamide	33 U	33.	170	ug/kg	39*		72-119		
Pyrene	3 U	3.	17	ug/kg	94		81-114		
Pyridine	67 U	67.	170	ug/kg	105		51-109		
Safrole	67 U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	89		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	104		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	95		77-123		
Thionazin	67 U	67.	170	ug/kg	104		76-123		
o-Toluidine	200 U	200.	670	ug/kg	37		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	97		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	104		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	99		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	88		67-111		
Batch number: 14351WAI026	Sample number(s): 7711223								
Acenaphthene	0.1 U	0.1	0.5	ug/l	92	94	80-112	2	30
Acenaphthylene	0.1 U	0.1	0.5	ug/l	95	98	84-125	3	30
Acetophenone	0.5 U	0.5	1	ug/l	89	91	78-112	2	30
2-Acetylaminofluorene	2 U	2.	5	ug/l	100	102	78-131	2	30
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	57	58	34-95	1	30
Aniline	0.5 U	0.5	1	ug/l	55	53	34-97	4	30
Anthracene	0.1 U	0.1	0.5	ug/l	94	95	82-116	1	30
Benzo(a)anthracene	0.1 U	0.1	0.5	ug/l	94	93	81-126	1	30
Benzo(a)pyrene	0.1 U	0.1	0.5	ug/l	93	94	82-116	1	30
Benzo(b)fluoranthene	0.1 U	0.1	0.5	ug/l	93	94	82-121	1	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Analysis Name	Blank		Blank	Report	LCS	LCS	LCS/LCS	RPD	RPD	
	Result	U	MDL**		LOQ	%REC	%REC			Limits
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/1	81	81	76-128	0	30
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/1	96	95	81-122	1	30
Benzyl alcohol	10	U	10.	30	ug/1	82	82	58-122	0	30
1,1'-Biphenyl	0.5	U	0.5	1	ug/1	88	91	56-134	3	30
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/1	93	95	82-118	3	30
Butylbenzylphthalate	2	U	2.	5	ug/1	94	95	73-122	1	30
Di-n-butylphthalate	2	U	2.	5	ug/1	90	91	80-119	1	30
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/1	87	88	78-118	2	30
4-Chloroaniline	0.5	U	0.5	1	ug/1	58	55	44-114	5	30
Chlorobenzilate	3	U	3.	10	ug/1	95	99	38-149	4	30
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/1	89	91	77-115	1	30
bis(2-Chloroethyl) ether	0.5	U	0.5	1	ug/1	88	89	78-112	1	30
bis(2-Chloroisopropyl) ether	0.5	U	0.5	1	ug/1	85	88	54-128	3	30
2-Chloronaphthalene	0.4	U	0.4	1	ug/1	92	93	66-125	1	30
2-Chlorophenol	0.5	U	0.5	1	ug/1	88	89	76-111	2	30
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/1	92	93	78-119	1	30
Chrysene	0.1	U	0.1	0.5	ug/1	97	97	81-120	1	30
Diallate trans/cis	1	U	1.	5	ug/1	99	102	80-126	3	30
Dibenz(a,h)anthracene	0.1	U	0.1	0.5	ug/1	84	85	80-130	1	30
Dibenzofuran	0.5	U	0.5	1	ug/1	92	93	81-110	0	30
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/1	88	90	62-116	2	30
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/1	85	86	57-115	1	30
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/1	86	89	60-115	2	30
3,3'-Dichlorobenzidine	2	U	2.	5	ug/1	64	67	39-111	4	30
2,4-Dichlorophenol	0.5	U	0.5	1	ug/1	89	91	84-119	2	30
2,6-Dichlorophenol	0.5	U	0.5	1	ug/1	96	98	83-121	2	30
Diethylphthalate	2	U	2.	5	ug/1	88	91	70-118	4	30
Dimethoate	3	U	3.	10	ug/1	67	73	10-116	9	30
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/1	95	94	76-120	1	30
3,3'-Dimethylbenzidine	25	U	25.	75	ug/1	18	21	10-76	15	30
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/1	75	76	58-120	1	30
2,4-Dimethylphenol	0.5	U	0.5	1	ug/1	87	87	75-110	0	30
Dimethylphthalate	2	U	2.	5	ug/1	79	84	43-128	6	30
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/1	96	102	63-131	5	30
1,3-Dinitrobenzene	2	U	2.	5	ug/1	89	91	80-124	2	30
2,4-Dinitrophenol	10	U	10.	30	ug/1	72	78	39-130	8	30
2,4-Dinitrotoluene	1	U	1.	5	ug/1	93	94	84-126	2	30
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/1	94	97	81-124	3	30
1,4-Dioxane	1	U	1.	5	ug/1	69	65	39-83	6	30
Diphenyl ether	0.5	U	0.5	1	ug/1	90	92	77-113	1	30
Ethyl methanesulfonate	0.5	U	0.5	1	ug/1	95	95	77-113	0	30
bis(2-Ethylhexyl) phthalate	2	U	2.	5	ug/1	102	100	78-124	2	30
Fluoranthene	0.1	U	0.1	0.5	ug/1	94	92	82-121	2	30
Fluorene	0.1	U	0.1	0.5	ug/1	94	96	80-117	2	30
Hexachlorobenzene	0.1	U	0.1	0.5	ug/1	90	92	80-119	2	30
Hexachlorobutadiene	0.5	U	0.5	1	ug/1	83	85	55-124	2	30
Hexachlorocyclopentadiene	5	U	5.	15	ug/1	65	68	18-130	5	30
Hexachloroethane	1	U	1.	5	ug/1	81	82	55-109	2	30
Hexachloropropene	2	U	2.	5	ug/1	84	83	47-121	2	30
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	0.5	ug/1	80	80	80-126	0	30
Isodrin	0.5	U	0.5	1	ug/1	99	101	83-119	2	30
Isophorone	0.5	U	0.5	1	ug/1	94	96	81-124	2	30
Isosafrole	2	U	2.	5	ug/1	97	101	68-150	4	30
Methapyrilene	15	U	15.	50	ug/1	118	110	70-130	7	30
Methyl methanesulfonate	1	U	1.	5	ug/1	90	88	42-112	2	30
3-Methylcholanthrene	0.5	U	0.5	1	ug/1	98	100	84-117	2	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	87	88	75-106	1	30
2-Methylphenol	0.5 U	0.5	1	ug/l	87	88	72-111	1	30
4-Methylphenol	0.5 U	0.5	1	ug/l	85	84	56-109	1	30
Naphthalene	0.1 U	0.1	0.5	ug/l	89	90	75-108	2	30
1,4-Naphthoquinone	25 U	25.	60	ug/l	8*	18	10-69	79*	30
1-Naphthylamine	5 U	5.	15	ug/l	33	31	10-92	5	30
2-Naphthylamine	5 U	5.	15	ug/l	41	38	17-87	8	30
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	65	63	35-103	3	30
2-Nitroaniline	0.5 U	0.5	1	ug/l	94	95	84-122	2	30
3-Nitroaniline	0.5 U	0.5	1	ug/l	67	66	61-117	2	30
4-Nitroaniline	0.5 U	0.5	1	ug/l	77	77	66-110	1	30
Nitrobenzene	0.5 U	0.5	1	ug/l	89	91	77-119	2	30
2-Nitrophenol	0.5 U	0.5	1	ug/l	93	95	82-121	2	30
4-Nitrophenol	10 U	10.	30	ug/l	73	69	20-89	4	30
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	82	83	48-128	1	30
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	87	90	71-117	3	30
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	85	87	74-114	2	30
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	95	96	79-116	1	30
N-Nitrosodimethylamine	2 U	2.	5	ug/l	68	66	38-98	3	30
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	90	92	80-115	2	30
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	91	91	72-115	0	30
N-Nitrosomorpholine	2 U	2.	5	ug/l	87	86	69-116	0	30
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	93	95	85-113	3	30
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91	93	75-117	1	30
Di-n-octylphthalate	2 U	2.	5	ug/l	102	103	78-129	1	30
Pentachlorobenzene	0.5 U	0.5	1	ug/l	96	99	80-119	3	30
Pentachloronitrobenzene	2 U	2.	5	ug/l	98	100	84-135	2	30
Pentachlorophenol	1 U	1.	5	ug/l	85	89	60-130	5	30
Phenacetin	0.5 U	0.5	1	ug/l	91	94	81-120	3	30
Phenanthrene	0.1 U	0.1	0.5	ug/l	89	90	81-114	1	30
Phenol	0.5 U	0.5	1	ug/l	57	53	25-80	6	30
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	81	80	57-110	2	30
Pronamide	0.5 U	0.5	1	ug/l	98	97	78-125	1	30
Pyrene	0.1 U	0.1	0.5	ug/l	90	90	81-112	0	30
Pyridine	2 U	2.	5	ug/l	66	63	22-96	3	30
Safrole	2 U	2.	5	ug/l	92	94	81-117	1	30
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	87	90	77-113	3	30
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	96	98	76-128	2	30
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	93	96	75-114	3	30
Thionazin	2 U	2.	5	ug/l	95	95	68-116	0	30
o-Toluidine	0.5 U	0.5	1	ug/l	45	43	17-99	5	30
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	90	91	68-116	1	30
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	88	90	81-121	2	30
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	91	93	84-119	2	30
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	97	100	81-121	2	30
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	69	77	12-129	12	30

Batch number: 14354SLF026

Sample number(s): 7711211-7711212

Acenaphthene	3 U	3.	17	ug/kg	101		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	107		83-127		
Acetophenone	17 U	17.	33	ug/kg	92		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	105		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	54		14-89		
Aniline	170 U	170.	500	ug/kg	72		43-110		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Anthracene	3	U	3.	17	ug/kg	101	82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	95	76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	105	84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	109	78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	99	77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	99	79-120		
Benzyl alcohol	170		170.	500	ug/kg	97	75-132		
	U								
1,1'-Biphenyl	17	U	17.	33	ug/kg	95	78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	100	84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	104	80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	105	84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	102	79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	50	10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	118	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	94	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	94	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	102	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	121	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	107	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	93	83-115		
Chrysene	3	U	3.	17	ug/kg	96	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	107	76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	104	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	96	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	97	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	98	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	99	79-112		
3,3'-Dichlorobenzidine	100		100.	330	ug/kg	83	10-125		
	U								
2,4-Dichlorophenol	17	U	17.	33	ug/kg	105	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	107	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	96	81-118		
Dimethoate	170		170.	500	ug/kg	55	18-80		
	U								
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	102	81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	115*	17-78		
	U								
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	107	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	99	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	98	82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	98	67-131		
	U								
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	100	86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	93	42-131		
	U								
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	97	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	105	83-120		
1,4-Dioxane	100		100.	330	ug/kg	59	33-86		
	U								
Diphenyl ether	17	U	17.	33	ug/kg	101	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	98	77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	106	81-121		
Fluoranthene	3	U	3.	17	ug/kg	95	75-118		
Fluorene	3	U	3.	17	ug/kg	96	86-118		

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Hexachlorobenzene	3 U	3.	17	ug/kg	95		80-121		
Hexachlorobutadiene	17 U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	122		60-157		
Hexachloroethane	33 U	33.	170	ug/kg	100		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3 U	3.	17	ug/kg	100		76-122		
Isodrin	17 U	17.	33	ug/kg	103		85-128		
Isophorone	17 U	17.	33	ug/kg	102		83-119		
Isosafrole	67 U	67.	170	ug/kg	112		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	98		70-130		
Methyl methanesulfonate	33 U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17 U	17.	33	ug/kg	114		85-126		
2-Methylnaphthalene	3 U	3.	17	ug/kg	98		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	104		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	94		75-119		
Naphthalene	3 U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	88		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	60		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	43		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	55		39-99		
2-Nitroaniline	17 U	17.	33	ug/kg	113		84-126		
3-Nitroaniline	67 U	67.	170	ug/kg	90		66-119		
4-Nitroaniline	67 U	67.	170	ug/kg	78		48-112		
Nitrobenzene	17 U	17.	33	ug/kg	96		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	111		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	94		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	101		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	79		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	102		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	90		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	95		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	98		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	131		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	99		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	77		46-133		
Phenacetin	67 U	67.	170	ug/kg	101		76-119		
Phenanthrene	3 U	3.	17	ug/kg	89		80-114		
Phenol	17 U	17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	83		64-108		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Pronamide	33 U	33.	170	ug/kg	104		72-119		
Pyrene	3 U	3.	17	ug/kg	95		81-114		
Pyridine	67 U	67.	170	ug/kg	77		51-109		
Safrole	67 U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	94		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	99		77-129		
Tetraethylthiopyrophosphate	67 U	67.	170	ug/kg	103		77-123		
Thionazin	67 U	67.	170	ug/kg	101		76-123		
o-Toluidine	200 U	200.	670	ug/kg	54		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	83		67-111		
Batch number: 143520006A Sample number(s): 7711223									
PCB-1016	0.080 U	0.080	0.40	ug/l	85	102	60-117	18	30
PCB-1221	0.080 U	0.080	0.40	ug/l					
PCB-1232	0.16 U	0.16	0.40	ug/l					
PCB-1242	0.080 U	0.080	0.40	ug/l					
PCB-1248	0.080 U	0.080	0.40	ug/l					
PCB-1254	0.080 U	0.080	0.40	ug/l					
PCB-1260	0.12 U	0.12	0.40	ug/l	117	124	64-134	6	30
Batch number: 143560028A Sample number(s): 7711211-7711220									
Diethylene glycol	5.0 U	5.0	10	mg/kg	108		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	112		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	112		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	102		34-145		
Batch number: 143580017A Sample number(s): 7711223									
Diethylene glycol	8.0 U	8.0	10	mg/l	91		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	95		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	94		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	78		46-118		
Batch number: 143500637002 Sample number(s): 7711218-7711220									
Barium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	100		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.45 J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143500637002A Sample number(s): 7711218-7711220									
Antimony	0.0844 U	0.0844	0.400	mg/kg	96		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	119		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	104		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	98		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143500637002B Selenium	Sample number(s): 7711218-7711220 0.100 U	0.100	0.800	mg/kg	106		80-120		
Batch number: 143500638001 Mercury	Sample number(s): 7711218-7711220 0.0100 U	0.0100	0.200	mg/kg	99		80-120		
Batch number: 143510637006 Barium	Sample number(s): 7711211-7711217 0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	102		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	99		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	103		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	105		80-120		
Tin	1.54 J	0.430	20.0	mg/kg	99		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	100		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143510637006A Antimony	Sample number(s): 7711211-7711217 0.0844 U	0.0844	0.400	mg/kg	107		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	99		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	107		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	115		80-120		
Batch number: 143510637006B Selenium	Sample number(s): 7711211-7711217 0.100 U	0.100	0.800	mg/kg	105		80-120		
Batch number: 143510638001 Mercury	Sample number(s): 7711211-7711217 0.0100 U	0.0100	0.200	mg/kg	97		80-120		
Batch number: 143525713007 Mercury	Sample number(s): 7711223 0.000060 U	0.00006 0	0.00020	mg/l	100		80-120		
Batch number: 143560636001 Barium	Sample number(s): 7711223 0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	100		80-120		
Cadmium	0.00033 U	0.00033	0.0100	mg/l	104		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143560639002A Antimony	Sample number(s): 7711223 0.00033 U	0.00033	0.0020	mg/l	102	116	80-120	13	20
Arsenic	0.00082 U	0.00082	0.0040	mg/l	96	103	80-120	7	20
Lead	0.000082 U	0.00008 2	0.0020	mg/l	103	102	80-120	0	20
Thallium	0.00015 U	0.00015	0.0010	mg/l	97	107	80-120	9	20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143560639002B	Sample number(s): 7711223								
Selenium	0.00050 U	0.00050	0.0040	mg/l	104	109	80-120	5	20
Batch number: 14352820007A	Sample number(s): 7711211-7711220								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: A143521AA	Sample number(s): 7711211-7711219								
						BKG: P711207			
Acetone						20	19	6 (1)	30
Acetonitrile						21	U 21	U 0 (1)	30
Acrolein						17	U 17	U 0 (1)	30
Acrylonitrile						3	U 3	U 0 (1)	30
Allyl Chloride						0.8	U 0.8	U 0 (1)	30
Benzene						0.4	U 0.4	U 0 (1)	30
Bromodichloromethane						0.8	U 0.8	U 0 (1)	30
Bromoform						0.8	U 0.8	U 0 (1)	30
Bromomethane						2	U 2	U 0 (1)	30
2-Butanone						3	U 3	U 0 (1)	30
Carbon Disulfide						0.8	U 2	J 200* (1)	30
Carbon Tetrachloride						0.8	U 0.8	U 0 (1)	30
2-Chloro-1,3-butadiene						0.8	U 0.8	U 0 (1)	30
Chlorobenzene						0.8	U 0.8	U 0 (1)	30
Chloroethane						2	U 2	U 0 (1)	30
Chloroform						0.8	U 0.8	U 0 (1)	30
Chloromethane						2	U 2	U 0 (1)	30
1,2-Dibromo-3-chloropropane						2	U 2	U 0 (1)	30
Dibromochloromethane						0.8	U 0.8	U 0 (1)	30
1,2-Dibromoethane						0.8	U 0.8	U 0 (1)	30
Dibromomethane						0.8	U 0.8	U 0 (1)	30
trans-1,4-Dichloro-2-butene						8	U 8	U 0 (1)	30
Dichlorodifluoromethane						2	U 2	U 0 (1)	30
1,1-Dichloroethane						0.8	U 0.8	U 0 (1)	30
1,2-Dichloroethane						0.8	U 0.8	U 0 (1)	30
1,1-Dichloroethene						0.8	U 0.8	U 0 (1)	30
cis-1,2-Dichloroethene						0.8	U 0.8	U 0 (1)	30
trans-1,2-Dichloroethene						0.8	U 0.8	U 0 (1)	30
1,2-Dichloropropane						0.8	U 0.8	U 0 (1)	30
cis-1,3-Dichloropropene						0.8	U 0.8	U 0 (1)	30
trans-1,3-Dichloropropene						0.8	U 0.8	U 0 (1)	30
Ethyl Methacrylate						0.8	U 0.8	U 0 (1)	30
Ethylbenzene						0.8	U 0.8	U 0 (1)	30
2-Hexanone						2	U 2	U 0 (1)	30
Isobutyl Alcohol						83	U 83	U 0 (1)	30
Methacrylonitrile						4	U 4	U 0 (1)	30
Methyl Iodide						2	U 2	U 0 (1)	30
Methyl Methacrylate						0.8	U 0.8	U 0 (1)	30
4-Methyl-2-pentanone						2	U 2	U 0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>	
Methylene Chloride						2	U	2	U	0 (1)	30
Pentachloroethane						0.8	U	0.8	U	0 (1)	30
Propionitrile						25	U	25	U	0 (1)	30
Styrene						0.8	U	0.8	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.8	U	0.8	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.8	U	0.8	U	0 (1)	30
Tetrachloroethene						0.8	U	0.8	U	0 (1)	30
Toluene						0.8	U	1	J	200* (1)	30
1,1,1-Trichloroethane						0.8	U	0.8	U	0 (1)	30
1,1,2-Trichloroethane						0.8	U	0.8	U	0 (1)	30
Trichloroethene						0.8	U	0.8	U	0 (1)	30
Trichlorofluoromethane						2	U	2	U	0 (1)	30
1,2,3-Trichloropropane						0.8	U	0.8	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.8	U	0.8	U	0 (1)	30
Xylene (Total)						0.8	U	0.8	U	0 (1)	30
Batch number: T143501AA Sample number(s): 7711222,7711224,7711226,7711228 BKG: P708021											
Acrolein						40	U	40	U	0 (1)	30
Acrylonitrile						4	U	4	U	0 (1)	30
Batch number: Y143541AA Sample number(s): 7711221,7711223,7711225,7711227 BKG: P714499											
Acetone						21		22		1 (1)	30
Acetonitrile						25	U	25	U	0 (1)	30
Acrolein						40	U	40	U	0 (1)	30
Acrylonitrile						4	U	4	U	0 (1)	30
Allyl Chloride						1	U	1	U	0 (1)	30
Benzene						0.8	J	0.7	J	3 (1)	30
Bromodichloromethane						0.6	J	0.6	J	3 (1)	30
Bromoform						0.5	U	0.5	U	0 (1)	30
Bromomethane						0.5	U	0.5	U	0 (1)	30
2-Butanone						5	J	5	J	2 (1)	30
Carbon Disulfide						1	U	1	U	0 (1)	30
Carbon Tetrachloride						0.5	U	0.5	U	0 (1)	30
2-Chloro-1,3-butadiene						1	U	1	U	0 (1)	30
Chlorobenzene						0.5	U	0.5	U	0 (1)	30
Chloroethane						0.5	U	0.5	U	0 (1)	30
Chloroform						4		4		2 (1)	30
Chloromethane						0.5	U	0.5	U	0 (1)	30
1,2-Dibromo-3-chloropropane						2	U	2	U	0 (1)	30
Dibromochloromethane						0.5	U	0.5	U	0 (1)	30
1,2-Dibromoethane						0.5	U	0.5	U	0 (1)	30
Dibromomethane						0.5	U	0.5	U	0 (1)	30
trans-1,4-Dichloro-2-butene						15	U	15	U	0 (1)	30
Dichlorodifluoromethane						0.5	U	0.5	U	0 (1)	30
1,1-Dichloroethane						0.5	U	0.5	U	0 (1)	30
1,2-Dichloroethane						0.5	U	0.5	U	0 (1)	30
1,1-Dichloroethene						0.5	U	0.5	U	0 (1)	30
cis-1,2-Dichloroethene						0.5	U	0.5	U	0 (1)	30
trans-1,2-Dichloroethene						0.5	U	0.5	U	0 (1)	30
1,2-Dichloropropane						0.5	U	0.5	U	0 (1)	30
cis-1,3-Dichloropropene						0.5	U	0.5	U	0 (1)	30

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Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>	
trans-1,3-Dichloropropene						0.5	U	0.5	U	0 (1)	30
Ethyl Methacrylate						1	U	1	U	0 (1)	30
Ethylbenzene						2		2		4 (1)	30
2-Hexanone						3	U	3	U	0 (1)	30
Isobutyl Alcohol						100	U	100	U	0 (1)	30
Methacrylonitrile						10	U	10	U	0 (1)	30
Methyl Iodide						0.5	U	0.5	U	0 (1)	30
Methyl Methacrylate						1	U	1	U	0 (1)	30
4-Methyl-2-pentanone						3	U	3	U	0 (1)	30
Methylene Chloride						2	U	2	U	0 (1)	30
Pentachloroethane						1	U	1	U	0 (1)	30
Propionitrile						30	U	30	U	0 (1)	30
Styrene						1	U	1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
Tetrachloroethene						0.5	U	0.5	U	0 (1)	30
Toluene						7		7		4	30
1,1,1-Trichloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2-Trichloroethane						0.5	U	0.5	U	0 (1)	30
Trichloroethene						0.5	U	0.5	U	0 (1)	30
Trichlorofluoromethane						0.5	U	0.5	U	0 (1)	30
1,2,3-Trichloropropane						1	U	1	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.5	U	0.5	U	0 (1)	30
Xylene (Total)						13		12		3	30

Batch number: 14350SLE026	Sample number(s): 7711213-7711220 UNSPK: P50LEUS				
Acenaphthene	95	92	55-132	2	30
Acenaphthylene	100	99	53-143	0	30
Acetophenone	90	88	67-111	1	30
2-Acetylaminofluorene	102	101	48-138	0	30
4-Aminobiphenyl	53	55	10-80	5	30
Aniline	65	65	23-96	2	30
Anthracene	96	95	42-147	0	30
Benzo(a)anthracene	97	95	32-150	0	30
Benzo(a)pyrene	96	94	36-151	0	30
Benzo(b)fluoranthene	99	91	29-150	7	30
Benzo(g,h,i)perylene	99	98	41-147	0	30
Benzo(k)fluoranthene	92	88	35-146	3	30
Benzyl alcohol	94	91	69-131	2	30
1,1'-Biphenyl	91	89	57-123	1	30
4-Bromophenyl-phenylether	100	100	58-142	2	30
Butylbenzylphthalate	98	96	50-137	1	30
Di-n-butylphthalate	99	96	57-130	1	30
4-Chloro-3-methylphenol	97	95	39-150	1	30
4-Chloroaniline	48	52	10-100	8	30
Chlorobenzilate	105	104	79-128	1	30
bis(2-Chloroethoxy)methane	92	90	54-128	1	30
bis(2-Chloroethyl)ether	89	86	69-114	2	30
bis(2-Chloroisopropyl)ether	92	92	62-120	1	30
2-Chloronaphthalene	90	88	40-156	1	30
2-Chlorophenol	99	98	35-152	0	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Chlorophenyl-phenylether	93	91	56-130	1	30				
Chrysene	92	91	28-146	0	30				
Diallate TRANS/CIS	104	102	45-145	1	30				
Dibenz(a,h)anthracene	105	102	54-142	2	30				
Dibenzofuran	91	90	46-137	0	30				
1,2-Dichlorobenzene	93	91	45-133	1	30				
1,3-Dichlorobenzene	92	90	45-129	1	30				
1,4-Dichlorobenzene	91	90	44-132	0	30				
3,3'-Dichlorobenzidine	67	71	10-143	6	30				
2,4-Dichlorophenol	98	94	39-153	2	30				
2,6-Dichlorophenol	100	97	56-133	2	30				
Diethylphthalate	91	90	54-127	0	30				
Dimethoate	76	72	39-178	3	30				
p-Dimethylaminoazobenzene	98	96	77-123	0	30				
3,3'-Dimethylbenzidine	50	48	10-103	2	30				
7,12-Dimethylbenz[a]anthracene	96	92	44-139	3	30				
2,4-Dimethylphenol	94	91	38-140	2	30				
Dimethylphthalate	92	90	45-135	1	30				
4,6-Dinitro-2-methylphenol	70	71	10-148	2	30				
1,3-Dinitrobenzene	94	92	73-116	1	30				
2,4-Dinitrophenol	54	55	20-143	3	30				
2,4-Dinitrotoluene	93	92	39-144	1	30				
2,6-Dinitrotoluene	99	97	54-134	1	30				
1,4-Dioxane	56	57	10-98	4	30				
Diphenyl ether	94	92	54-125	1	30				
Ethyl methanesulfonate	86	85	44-120	0	30				
bis(2-Ethylhexyl)phthalate	99	98	52-138	0	30				
Fluoranthene	88	87	41-135	0	30				
Fluorene	93	90	55-128	2	30				
Hexachlorobenzene	95	92	46-132	1	30				
Hexachlorobutadiene	95	92	65-125	2	30				
Hexachlorocyclopentadiene	80	78	10-153	1	30				
Hexachloroethane	93	90	24-138	2	30				
Hexachloropropene	90	89	39-124	0	30				
Indeno(1,2,3-cd)pyrene	101	99	44-147	1	30				
Isodrin	92	90	10-143	1	30				
Isophorone	97	95	68-119	1	30				
Isosafrole	106	101	69-135	4	30				
Methapyrilene	61*	61*	70-130	3	30				
Methyl methanesulfonate	83	81	10-134	0	30				
3-Methylcholanthrene	103	101	65-123	1	30				
2-Methylnaphthalene	92	90	39-140	2	30				
2-Methylphenol	103	101	36-149	0	30				
4-Methylphenol	93	91	29-143	1	30				
Naphthalene	94	91	44-142	2	30				
1,4-Naphthoquinone	86	84	70-130	2	30				
1-Naphthylamine	52	53	10-92	3	30				
2-Naphthylamine	43	44	10-71	3	30				
5-Nitro-o-toluidine	58	57	33-107	0	30				
2-Nitroaniline	107	105	64-131	1	30				
3-Nitroaniline	87	85	31-145	1	30				
4-Nitroaniline	78	76	30-131	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Nitrobenzene	93	90	41-141	2	30				
2-Nitrophenol	102	99	45-146	2	30				
4-Nitrophenol	93	92	25-142	0	30				
4-Nitroquinoline-1-oxide	57	58	10-160	3	30				
N-Nitroso-di-n-propylamine	93	91	58-126	1	30				
N-Nitrosodi-n-butylamine	93	90	38-136	2	30				
N-Nitrosodiethylamine	89	87	56-112	1	30				
N-Nitrosodimethylamine	84	81	61-110	3	30				
N-Nitrosodiphenylamine	100	97	59-135	2	30				
N-Nitrosomethylethylamine	84	83	54-118	0	30				
N-Nitrosomorpholine	92	89	72-121	3	30				
N-Nitrosopiperidine	94	89	48-131	3	30				
N-Nitrosopyrrolidine	96	95	59-131	0	30				
Di-n-octylphthalate	107	106	54-151	0	30				
Pentachlorobenzene	93	90	69-119	2	30				
Pentachloronitrobenzene	97	95	78-116	1	30				
Pentachlorophenol	80	76	23-145	4	30				
Phenacetin	98	95	69-121	1	30				
Phenanthrene	87	85	42-141	2	30				
Phenol	98	96	61-130	1	30				
2-Picoline	63	67	55-104	7	30				
Pronamide	81	83	69-130	4	30				
Pyrene	91	89	37-140	1	30				
Pyridine	85	84	16-108	0	30				
Safrole	93	90	76-114	2	30				
1,2,4,5-Tetrachlorobenzene	96	94	71-120	1	30				
2,3,4,6-Tetrachlorophenol	94	90	62-132	3	30				
Tetraethyldithiopyrophosphate	98	95	76-126	2	30				
Thionazin	97	87	65-123	9	30				
o-Toluidine	51	52	21-84	3	30				
1,2,4-Trichlorobenzene	96	94	50-139	1	30				
2,4,5-Trichlorophenol	98	96	64-131	1	30				
2,4,6-Trichlorophenol	103	99	60-136	3	30				
O,O,O-Triethylphosphorothioate	91	90	70-119	0	30				
1,3,5-Trinitrobenzene	65	66	10-113	3	30				

Batch number: 14354SLF026

Sample number(s): 7711211-7711212 UNSPK: P709595

Acenaphthene	93	92	55-132	1	30				
Acenaphthylene	102	101	53-143	2	30				
Acetophenone	84	83	67-111	1	30				
2-Acetylaminofluorene	108	104	48-138	3	30				
4-Aminobiphenyl	32	32	10-80	0	30				
Aniline	49	48	23-96	3	30				
Anthracene	95	94	42-147	1	30				
Benzo(a)anthracene	94	93	32-150	2	30				
Benzo(a)pyrene	95	95	36-151	0	30				
Benzo(b)fluoranthene	101	101	29-150	0	30				
Benzo(g,h,i)perylene	94	94	41-147	0	30				
Benzo(k)fluoranthene	88	91	35-146	3	30				
Benzyl alcohol	92	91	69-131	0	30				
1,1'-Biphenyl	91	89	57-123	1	30				
4-Bromophenyl-phenylether	94	94	58-142	0	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Butylbenzylphthalate	100	99	50-137	1	30				
Di-n-butylphthalate	101	100	57-130	1	30				
4-Chloro-3-methylphenol	93	95	39-150	1	30				
4-Chloroaniline	52	50	10-100	3	30				
Chlorobenzilate	111	113	79-128	2	30				
bis(2-Chloroethoxy)methane	89	91	54-128	2	30				
bis(2-Chloroethyl)ether	87	88	69-114	1	30				
bis(2-Chloroisopropyl)ether	90	90	62-120	0	30				
2-Chloronaphthalene	86	87	40-156	0	30				
2-Chlorophenol	98	99	35-152	0	30				
4-Chlorophenyl-phenylether	92	90	56-130	2	30				
Chrysene	92	90	28-146	2	30				
Diallate TRANS/CIS	100	102	45-145	1	30				
Dibenz(a,h)anthracene	100	98	54-142	2	30				
Dibenzofuran	90	89	46-137	1	30				
1,2-Dichlorobenzene	92	90	45-133	1	30				
1,3-Dichlorobenzene	92	91	45-129	1	30				
1,4-Dichlorobenzene	93	92	44-132	1	30				
3,3'-Dichlorobenzidine	64	58	10-143	9	30				
2,4-Dichlorophenol	94	96	39-153	2	30				
2,6-Dichlorophenol	97	100	56-133	3	30				
Diethylphthalate	93	92	54-127	1	30				
Dimethoate	86	86	39-178	0	30				
p-Dimethylaminoazobenzene	99	100	77-123	1	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	97	97	44-139	1	30				
2,4-Dimethylphenol	88	90	38-140	2	30				
Dimethylphthalate	94	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	99	99	10-148	0	30				
1,3-Dinitrobenzene	96	96	73-116	0	30				
2,4-Dinitrophenol	98	95	20-143	3	30				
2,4-Dinitrotoluene	95	95	39-144	0	30				
2,6-Dinitrotoluene	102	100	54-134	3	30				
1,4-Dioxane	69	69	10-98	0	30				
Diphenyl ether	95	94	54-125	1	30				
Ethyl methanesulfonate	23*	30*	44-120	26	30				
bis(2-Ethylhexyl)phthalate	102	100	52-138	2	30				
Fluoranthene	90	89	41-135	2	30				
Fluorene	92	90	55-128	2	30				
Hexachlorobenzene	88	88	46-132	0	30				
Hexachlorobutadiene	91	91	65-125	1	30				
Hexachlorocyclopentadiene	108	109	10-153	1	30				
Hexachloroethane	92	92	24-138	1	30				
Hexachloropropene	95	98	39-124	3	30				
Indeno(1,2,3-cd)pyrene	95	94	44-147	1	30				
Isodrin	95	95	10-143	0	30				
Isophorone	93	94	68-119	1	30				
Isosafrole	106	106	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	106	108	65-123	1	30				
2-Methylnaphthalene	89	90	39-140	2	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Methylphenol	95	96	36-149	1	30				
4-Methylphenol	86	85	29-143	0	30				
Naphthalene	92	92	44-142	1	30				
1,4-Naphthoquinone	98	99	70-130	1	30				
1-Naphthylamine	11	10	10-92	9	30				
2-Naphthylamine	7*	0*	10-71	200*	30				
5-Nitro-o-toluidine	90	87	33-107	4	30				
2-Nitroaniline	109	108	64-131	1	30				
3-Nitroaniline	70	63	31-145	10	30				
4-Nitroaniline	79	76	30-131	4	30				
Nitrobenzene	88	89	41-141	1	30				
2-Nitrophenol	100	103	45-146	3	30				
4-Nitrophenol	108	102	25-142	5	30				
4-Nitroquinoline-1-oxide	109	104	10-160	4	30				
N-Nitroso-di-n-propylamine	86	86	58-126	0	30				
N-Nitrosodi-n-butylamine	89	89	38-136	0	30				
N-Nitrosodiethylamine	91	91	56-112	0	30				
N-Nitrosodimethylamine	82	82	61-110	0	30				
N-Nitrosodiphenylamine	95	95	59-135	0	30				
N-Nitrosomethylethylamine	83	83	54-118	1	30				
N-Nitrosomorpholine	88	89	72-121	1	30				
N-Nitrosopiperidine	94	96	48-131	1	30				
N-Nitrosopyrrolidine	91	92	59-131	1	30				
Di-n-octylphthalate	114	117	54-151	3	30				
Pentachlorobenzene	91	92	69-119	1	30				
Pentachloronitrobenzene	96	98	78-116	3	30				
Pentachlorophenol	82	79	23-145	4	30				
Phenacetin	100	99	69-121	2	30				
Phenanthrene	80	79	42-141	1	30				
Phenol	89	88	61-130	1	30				
2-Picoline	70	70	55-104	0	30				
Pronamide	105	104	69-130	1	30				
Pyrene	87	87	37-140	1	30				
Pyridine	68	69	16-108	1	30				
Safrole	92	95	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	90	89	71-120	2	30				
2,3,4,6-Tetrachlorophenol	97	94	62-132	3	30				
Tetraethyldithiopyrophosphate	92	95	76-126	3	30				
Thionazin	102	101	65-123	1	30				
o-Toluidine	48	46	21-84	3	30				
1,2,4-Trichlorobenzene	93	94	50-139	1	30				
2,4,5-Trichlorophenol	98	97	64-131	1	30				
2,4,6-Trichlorophenol	104	103	60-136	1	30				
O,O,O-Triethylphosphorothioate	92	93	70-119	2	30				
1,3,5-Trinitrobenzene	81	82	10-113	1	30				
Batch number: 143560028A			Sample number(s): 7711211-7711220	UNSPK: P711205					
Diethylene glycol	85	84	48-124	1	20				
Ethylene glycol	90	89	68-115	1	20				
Propylene glycol	93	92	71-115	2	20				
Triethylene glycol	73	73	23-139	0	20				

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Quality Control Summary

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Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

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Batch number: 143580017A	Sample number(s): 7711223 UNSPK: 7711223								
Diethylene glycol	106	95	52-122	10	20				
Ethylene glycol	116	103	54-123	12	20				
Propylene glycol	118	104	55-131	13	20				
Triethylene glycol	84	80	33-123	5	20				
Batch number: 143500637002	Sample number(s): 7711218-7711220 UNSPK: P709595 BKG: P709595								
Barium	98	95	75-125	2	20	45.8	44.7	2	20
Beryllium	106	105	75-125	1	20	0.881 J	0.857 J	3 (1)	20
Cadmium	95	95	75-125	0	20	0.0723 J	0.0723 J	0 (1)	20
Chromium	97	97	75-125	0	20	3.30	3.11	6 (1)	20
Cobalt	95	94	75-125	1	20	3.05	2.82	8 (1)	20
Copper	103	101	75-125	2	20	2.29	2.10	8 (1)	20
Nickel	95	95	75-125	0	20	3.20	3.23	1 (1)	20
Silver	93	92	75-125	1	20	0.188 U	0.188 U	0 (1)	20
Tin	90	90	75-125	0	20	2.27 J	2.37 J	5 (1)	20
Vanadium	100	99	75-125	1	20	10.8	10.9	1	20
Zinc	100	97	75-125	2	20	24.4	23.3	5	20
Batch number: 143500637002A	Sample number(s): 7711218-7711220 UNSPK: P709595 BKG: P709595								
Antimony	52*	57*	75-125	9	20	0.0836 U	0.0836 U	0 (1)	20
Arsenic	99	88	75-125	9	20	0.892	0.722 J	21* (1)	20
Lead	152*	80	75-125	19	20	7.59	7.59	0	20
Thallium	93	88	75-125	3	20	0.287	0.238	18 (1)	20
Batch number: 143500637002B	Sample number(s): 7711218-7711220 UNSPK: P709595 BKG: P709595								
Selenium	99	98	75-125	0	20	0.200 J	0.174 J	14 (1)	20
Batch number: 143500638001	Sample number(s): 7711218-7711220 UNSPK: P709595 BKG: P709595								
Mercury	109	100	75-125	6	20	0.0096 U	0.0097 U	0 (1)	20
Batch number: 143510637006	Sample number(s): 7711211-7711217 UNSPK: P711193 BKG: P711193								
Barium	101	99	75-125	2	20	29.3	28.7	2	20
Beryllium	107	105	75-125	2	20	0.694 J	0.650 J	7 (1)	20
Cadmium	98	97	75-125	1	20	0.0743 J	0.0832 J	11 (1)	20
Chromium	99	98	75-125	1	20	4.45	4.65	4 (1)	20
Cobalt	98	97	75-125	1	20	2.15	2.13	1 (1)	20
Copper	104	104	75-125	0	20	4.15	4.08	2 (1)	20
Nickel	95	93	75-125	2	20	16.0	16.1	1	20
Silver	102	101	75-125	1	20	0.283 J	0.227 J	22* (1)	20
Tin	94	92	75-125	1	20	2.56 J	2.69 J	5 (1)	20
Vanadium	101	99	75-125	2	20	10.2	10.8	6	20
Zinc	100	101	75-125	1	20	18.2	18.0	1 (1)	20
Batch number: 143510637006A	Sample number(s): 7711211-7711217 UNSPK: P711193 BKG: P711193								
Antimony	89	-19*	75-125	200*	20	0.227 J	0.243 J	7 (1)	20
Arsenic	101	-27*	75-125	102*	20	1.75	1.73	1 (1)	20
Lead	40*	-95*	75-125	42*	20	10.4	9.33	11	20
Thallium	90	25*	75-125	67*	20	0.159 J	0.173 J	8 (1)	20
Batch number: 143510637006B	Sample number(s): 7711211-7711217 UNSPK: P711193 BKG: P711193								
Selenium	108	-5*	75-125	168*	20	0.311 J	0.283 J	9 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143510638001 Mercury	101	95	75-125	6	20	0.0281 J	0.0265 J	6 (1)	20
Batch number: 143525713007 Mercury	96	89	75-125	2	20	0.0022	0.0023	3	20
Batch number: 143560636001 Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1)	20
Cadmium	104	105	75-125	1	20	0.00033 U	0.00033 U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1)	20
Batch number: 14352820007A Moisture						14.4	13.5	6*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: A143521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711211	108	101	97	88
7711212	108	104	98	87
7711213	108	106	94	96
7711214	108	103	95	93
7711215	108	103	96	89
7711216	108	106	91	98
7711217	108	101	94	96
7711218	108	104	93	95
7711219	108	102	96	90
Blank	105	101	96	96
DUP	108	100	92	93
LCS	105	101	100	102
LCSD	103	98	100	101
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Acrolein, Acrylonitrile

Batch number: T143501AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Surrogate Quality Control

7711222	107	101	97	93
7711224	109	102	102	94
7711226	109	105	99	94
7711228	108	100	99	93
Blank	104	100	97	93
DUP	108	96	98	92
LCS	110	105	99	95
LCSD	107	100	99	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX Volatiles

Batch number: Y143541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711221	95	99	99	97
7711223	96	99	100	97
7711225	97	99	100	97
7711227	96	100	100	97
Blank	96	98	100	98
DUP	99	100	99	101
LCS	96	99	100	98
LCSD	96	101	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14350SLE026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7711213	91	92	87	83	87	104
7711214	92	95	83	87	90	105
7711215	100	102	91	90	96	115
7711216	94	95	83	84	89	106
7711217	93	94	83	83	86	106
7711218	93	95	83	83	88	105
7711219	95	98	85	85	89	107
7711220	92	92	83	81	85	104
Blank	87	90	93	87	93	112
LCS	96	99	98	94	94	112
MS	92	96	86	91	93	110
MSD	90	94	84	89	91	109
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14351WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7711223	37	55	90	89	92	76
Blank	46	66	85	87	86	87
LCS	54	74	97	89	89	83
LCSD	51	71	98	90	90	85
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14354SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7711211	88	94	85	88	94	99
7711212	87	93	85	86	93	101
Blank	86	93	89	91	96	137

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 02:15 PM

Group Number: 1525392

Surrogate Quality Control

LCS	94	99	88	95	97	107
MS	85	90	82	86	90	98
MSD	86	92	83	89	92	100
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143520006A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7711223	93	10*
Blank	94	53
LCS	108	99
LCSD	113	90
Limits:	49-141	36-153

Analysis Name: 4 Gylcol Compounds
Batch number: 143560028A

	Tetramethylene glycol
7711211	86
7711212	87
7711213	85
7711214	89
7711215	84
7711216	85
7711217	79
7711218	74
7711219	88
7711220	76
Blank	98
LCS	100
MS	84
MSD	83
Limits:	71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143580017A

	Tetramethylene glycol
7711223	94
Blank	92
LCS	94
MS	114
MSD	97
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1525392 Sample Nos.: 771211-28

Acc't: 06643 SF: 219983 SCR No.: 164180 Cooler No.: C17497 **30780**

Cooler Temperature upon receipt: 0.2 °C Container No.: 5

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>K. STUART / M. JOHNSON</u>																			
Project Name: SOIL 2014					APPIX VOAs (8260)										Soils				
Sample Identification		Date Collected	Time Collected	Matrix													Containers		
															Volume (ml)	Preserv	No	<u>Intact</u>	
SSP14-SWMU16-SS-1	<u>12/10/14</u>	<u>1109</u>	SW	40											MeOH	1	X		
SSP14-SWMU16-SS-1	<u>12/10/14</u>	<u>1109</u>	SW	40											NaHSO4	2	X		
SSP14-SWMU16-SS-2	<u>12/10/14</u>	<u>1125</u>	SW	40											MeOH	1	X		
SSP14-SWMU16-SS-2	<u>12/10/14</u>	<u>1125</u>	SW	40											NaHSO4	2	X		
SSP14-SWMU16-SS-3	<u>12/10/14</u>	<u>1348</u>	SW	40											MeOH	1	X		
SSP14-SWMU16-SS-3	<u>12/10/14</u>	<u>1348</u>	SW	40											NaHSO4	2	X		
SSP14-SWMU16-SS-4	<u>12/10/14</u>	<u>1447</u>	SW	40											MeOH	1	X		
SSP14-SWMU16-SS-4	<u>12/10/14</u>	<u>1447</u>	SW	40	NaHSO4	2	X												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>					Special Instructions:														
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/12/14</u>	Time: <u>1600</u>	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>			Date: <u>12/12/14</u>	Time: <u>2200</u>											

Client: Dupont Brevard

SOIL 2014

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 12/12/2014 22:00
 Number of Packages: 5 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Trip Blank Type(s): 4 HCl + 4 Unpres.

Unpacked by Wesley Miller (2308) at 09:19 on 12/13/2014

Samples Chilled Details: SOIL 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.4	DT	Wet	Y	Loose	N
2	DT121	2.0	DT	Wet	Y	Loose	N
3	DT121	0.7	DT	Wet	Y	Loose	N
4	DT121	1.2	DT	Wet	Y	Loose	N
5	DT121	0.2	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details: SOIL 2014

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-SWMU16-SS-1 0	2	5	Did not receive soil vials

General Comments: 2 soil jars of SSP14-SWMU13-SS-8 sample id on label blank

Client: DuPont

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 12/12/2014 9:15
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	Yes		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4- HCl, 4- Unpreserved

Unpacked by Jordan Woods (6698) at 15:35 on 12/12/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	8013596-IR	1.1	IR	Wet	Y	Loose	N

Missing Sample Details

Sample ID on COC	Comments
TB	
TB-SS	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 24, 2014

Project: BRE - SOIL

Submittal Date: 12/12/2014

Group Number: 1525391

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-SWMU13-SS-1 Soil	7711185
SSP14-SWMU13-SS-2 Soil	7711186
SSP14-SWMU13-SS-3 Soil	7711187
SSP14-SWMU13-SS-3-D Soil	7711188
SSP14-SWMU13-SS-4 Soil	7711189
SSP14-SWMU13-SS-5 Soil	7711190
SSP14-SWMU13-SS-6 Soil	7711191
SSP14-SWMU13-SS-7 Soil	7711192
SSP14-SWMU13-SS-8 Soil	7711193
SSP14-SWMU13-SS-8 MS Soil	7711194
SSP14-SWMU13-SS-8 MSD Soil	7711195
SSP14-SWMU13-SS-8 Dupl Soil	7711196
SSP14-SWMU13-SS-9 Soil	7711197
SSP14-SWMU13-SS-10 Soil	7711198
SSP14-SWMU14-SS-1 Soil	7711199
SSP14-SWMU14-SS-2 Soil	7711200
SSP14-SWMU14-SS-3 Soil	7711201
SSP14-SWMU14-SS-4 Soil	7711202
SSP14-SWMU14-SS-5 Soil	7711203
SSP14-SWMU14-SS-6 Soil	7711204
SSP14-SWMU14-SS-7 Soil	7711205
SSP14-SWMU14-SS-8 Soil	7711206
SSP14-SWMU14-SS-9 Soil	7711207
SSP14-SWMU14-SS-10 Soil	7711208
TB-SS-3-121114 Blank Water	7711209
TB-SS-3-121114-A Blank Water	7711210

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1301

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	52	7	19	0.81
10237	Acetonitrile	75-05-8	23 U	23	93	0.81
10237	Acrolein	107-02-8	19 U	19	93	0.81
10237	Acrylonitrile	107-13-1	4 U	4	19	0.81
10237	Allyl Chloride	107-05-1	0.9 U	0.9	5	0.81
10237	Benzene	71-43-2	0.5 U	0.5	5	0.81
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	5	0.81
10237	Bromoform	75-25-2	0.9 U	0.9	5	0.81
10237	Bromomethane	74-83-9	2 U	2	5	0.81
10237	2-Butanone	78-93-3	4 U	4	9	0.81
10237	Carbon Disulfide	75-15-0	0.9 U	0.9	5	0.81
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	5	0.81
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	5	0.81
10237	Chlorobenzene	108-90-7	0.9 U	0.9	5	0.81
10237	Chloroethane	75-00-3	2 U	2	5	0.81
10237	Chloroform	67-66-3	0.9 U	0.9	5	0.81
10237	Chloromethane	74-87-3	2 U	2	5	0.81
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.81
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	5	0.81
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	5	0.81
10237	Dibromomethane	74-95-3	0.9 U	0.9	5	0.81
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	47	0.81
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.81
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	5	0.81
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	5	0.81
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	5	0.81
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	5	0.81
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	5	0.81
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	5	0.81
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	5	0.81
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	5	0.81
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	5	0.81
10237	Ethylbenzene	100-41-4	0.9 U	0.9	5	0.81
10237	2-Hexanone	591-78-6	3 U	3	9	0.81
10237	Isobutyl Alcohol	78-83-1	93 U	93	230	0.81
10237	Methacrylonitrile	126-98-7	5 U	5	47	0.81
10237	Methyl Iodide	74-88-4	3 U	3	5	0.81
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	5	0.81
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.81
10237	Methylene Chloride	75-09-2	2 U	2	5	0.81
10237	Pentachloroethane	76-01-7	0.9 U	0.9	5	0.81
10237	Propionitrile	107-12-0	28 U	28	93	0.81
10237	Styrene	100-42-5	0.9 U	0.9	5	0.81
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	5	0.81
10237	1,1,2,2-Tetrachloroethane	79-34-5	0.9 U	0.9	5	0.81
10237	Tetrachloroethene	127-18-4	0.9 U	0.9	5	0.81
10237	Toluene	108-88-3	0.9 U	0.9	5	0.81
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	5	0.81
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	5	0.81
10237	Trichloroethene	79-01-6	0.9 U	0.9	5	0.81
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.81

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1301

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	5	0.81
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.81
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	5	0.81
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	5	0.81
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	7	J 4	19	1
10726	Acenaphthylene	208-96-8	12	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	17	J 4	19	1
10726	Benzo(a)anthracene	56-55-3	90	4	19	1
10726	Benzo(a)pyrene	50-32-8	94	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	130	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	64	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	48	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	95	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	15	J 4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1301

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	160	4	19	1
10726	Fluorene	86-73-7	9	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	59	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1301

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	73	4	19	1
10726	Phenol	108-95-2	24	J 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	130	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	29.5	0.0374	1.13	1
06947	Beryllium	7440-41-7	0.921	J 0.0760	1.13	1
06949	Cadmium	7440-43-9	0.0919	J 0.0374	1.13	1
06951	Chromium	7440-47-3	3.63	0.125	3.40	1
06952	Cobalt	7440-48-4	1.95	0.109	1.13	1
06953	Copper	7440-50-8	3.96	0.374	2.27	1
06961	Nickel	7440-02-0	12.8	0.170	2.27	1
06966	Silver	7440-22-4	0.216	U 0.216	1.13	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1301

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.78 J	0.488	22.7	1
06971	Vanadium	7440-62-2	9.59	0.103	1.13	1
06972	Zinc	7440-66-6	20.4	0.295	4.54	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0958 U	0.0958	0.454	2
06125	Arsenic	7440-38-2	1.39	0.0969	0.908	2
06135	Lead	7439-92-1	8.89	0.0146	0.454	2
06141	Selenium	7782-49-2	0.275 J	0.113	0.908	2
06145	Thallium	7440-28-0	0.156 J	0.0340	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0277 J	0.0113	0.226	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 17:22	Chelsea B Stong	0.81
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 11:48	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 11:48	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 11:48	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 14:43	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 19:59	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-1 Soil
SOIL 2014

LL Sample # SW 7711185
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 11:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1301

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:14	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:20	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:20	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:20	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:20	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:20	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:15	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1302

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	100	9	25	1.04
10237	Acetonitrile	75-05-8	31 U	31	120	1.04
10237	Acrolein	107-02-8	25 U	25	120	1.04
10237	Acrylonitrile	107-13-1	5 U	5	25	1.04
10237	Allyl Chloride	107-05-1	1 U	1	6	1.04
10237	Benzene	71-43-2	0.6 U	0.6	6	1.04
10237	Bromodichloromethane	75-27-4	1 U	1	6	1.04
10237	Bromoform	75-25-2	1 U	1	6	1.04
10237	Bromomethane	74-83-9	2 U	2	6	1.04
10237	2-Butanone	78-93-3	5 U	5	12	1.04
10237	Carbon Disulfide	75-15-0	1 U	1	6	1.04
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.04
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	6	1.04
10237	Chlorobenzene	108-90-7	1 U	1	6	1.04
10237	Chloroethane	75-00-3	2 U	2	6	1.04
10237	Chloroform	67-66-3	1 U	1	6	1.04
10237	Chloromethane	74-87-3	2 U	2	6	1.04
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	6	1.04
10237	Dibromochloromethane	124-48-1	1 U	1	6	1.04
10237	1,2-Dibromoethane	106-93-4	1 U	1	6	1.04
10237	Dibromomethane	74-95-3	1 U	1	6	1.04
10237	trans-1,4-Dichloro-2-butene	110-57-6	12 U	12	62	1.04
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.04
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.04
10237	1,2-Dichloroethane	107-06-2	1 U	1	6	1.04
10237	1,1-Dichloroethene	75-35-4	1 U	1	6	1.04
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.04
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.04
10237	1,2-Dichloropropane	78-87-5	1 U	1	6	1.04
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	6	1.04
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	6	1.04
10237	Ethyl Methacrylate	97-63-2	1 U	1	6	1.04
10237	Ethylbenzene	100-41-4	1 U	1	6	1.04
10237	2-Hexanone	591-78-6	4 U	4	12	1.04
10237	Isobutyl Alcohol	78-83-1	120 U	120	310	1.04
10237	Methacrylonitrile	126-98-7	6 U	6	62	1.04
10237	Methyl Iodide	74-88-4	4 U	4	6	1.04
10237	Methyl Methacrylate	80-62-6	1 U	1	6	1.04
10237	4-Methyl-2-pentanone	108-10-1	4 U	4	12	1.04
10237	Methylene Chloride	75-09-2	5 J	2	6	1.04
10237	Pentachloroethane	76-01-7	1 U	1	6	1.04
10237	Propionitrile	107-12-0	37 U	37	120	1.04
10237	Styrene	100-42-5	1 U	1	6	1.04
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	6	1.04
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	6	1.04
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.04
10237	Toluene	108-88-3	1 U	1	6	1.04
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.04
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	6	1.04
10237	Trichloroethene	79-01-6	1 U	1	6	1.04
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1.04

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1302

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.04
10237	Vinyl Acetate	108-05-4	2 U	2	12	1.04
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.04
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.04
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	210	4	20	1
10726	Acenaphthylene	208-96-8	36	4	20	1
10726	Acetophenone	98-86-2	20	U 20	40	1
10726	2-Acetylaminofluorene	53-96-3	79	U 79	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	590	1
10726	Aniline	62-53-3	200	U 200	590	1
10726	Anthracene	120-12-7	500	4	20	1
10726	Benzo(a)anthracene	56-55-3	1,800	4	20	1
10726	Benzo(a)pyrene	50-32-8	1,600	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,200	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	1,100	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	890	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	590	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	40	1
10726	Butylbenzylphthalate	85-68-7	79	U 79	200	1
10726	Di-n-butylphthalate	84-74-2	79	U 79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	40	1
10726	4-Chloroaniline	106-47-8	20	U 20	40	1
10726	Chlorobenzilate	510-15-6	40	U 40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	20	U 20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	40	1
10726	Chrysene	218-01-9	1,700	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40	U 40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	270	4	20	1
10726	Dibenzofuran	132-64-9	94	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	400	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	40	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	40	1
10726	Diethylphthalate	84-66-2	79	U 79	200	1
10726	Dimethoate	60-51-5	200	U 200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	79	U 79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	590	U 590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1302

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	79	U 79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	79	U 79	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	79	U 79	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	79	U 79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	79	U 79	200	1
10726	Fluoranthene	206-44-0	3,600	4	20	1
10726	Fluorene	86-73-7	240	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,000	4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	79	U 79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	33	4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	74	4	20	1
10726	1,4-Naphthoquinone	130-15-4	990	U 990	4,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	79	U 79	200	1
10726	4-Nitroaniline	100-01-6	79	U 79	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	79	U 79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1302

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	79	U 79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	79	U 79	200	1
10726	N-Nitrosomorpholine	59-89-2	79	U 79	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	79	U 79	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	79	U 79	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	79	U 79	200	1
10726	Phenanthrene	85-01-8	2,200	4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	2,700	4	20	1
10726	Pyridine	110-86-1	79	U 79	200	1
10726	Safrole	94-59-7	79	U 79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	79	U 79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	79	U 79	200	1
10726	Thionazin	297-97-2	79	U 79	200	1
10726	o-Toluidine	95-53-4	240	U 240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	79	U 79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	85.4	0.0391	1.19	1
06947	Beryllium	7440-41-7	1.12	J 0.0794	1.19	1
06949	Cadmium	7440-43-9	0.154	J 0.0391	1.19	1
06951	Chromium	7440-47-3	9.12	0.130	3.56	1
06952	Cobalt	7440-48-4	4.56	0.114	1.19	1
06953	Copper	7440-50-8	6.36	0.391	2.37	1
06961	Nickel	7440-02-0	26.9	0.178	2.37	1
06966	Silver	7440-22-4	1.13	U 1.13	5.93	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1302

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
Reporting limits were raised due to interference from the sample matrix.						
06969	Tin	7440-31-5	3.76 J	0.510	23.7	1
06971	Vanadium	7440-62-2	20.2	0.108	1.19	1
06972	Zinc	7440-66-6	21.8	0.308	4.74	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.100 U	0.100	0.474	2
06125	Arsenic	7440-38-2	2.69	0.101	0.949	2
06135	Lead	7439-92-1	18.8	0.0152	0.474	2
06141	Selenium	7782-49-2	0.461 J	0.119	0.949	2
06145	Thallium	7440-28-0	0.190 J	0.0356	0.237	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0458 J	0.0118	0.237	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	16.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 17:45	Chelsea B Stong	1.04
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 12:02	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 12:02	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 12:02	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 15:08	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 20:14	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-2 Soil
SOIL 2014

LL Sample # SW 7711186
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 12:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1302

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/23/2014 04:08	Tara L Snyder	5
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:17	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:22	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:22	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:22	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:22	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:22	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:17	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1303

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	77	7	19	0.82
10237	Acetonitrile	75-05-8	24 U	24	94	0.82
10237	Acrolein	107-02-8	19 U	19	94	0.82
10237	Acrylonitrile	107-13-1	4 U	4	19	0.82
10237	Allyl Chloride	107-05-1	0.9 U	0.9	5	0.82
10237	Benzene	71-43-2	0.5 U	0.5	5	0.82
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	5	0.82
10237	Bromoform	75-25-2	0.9 U	0.9	5	0.82
10237	Bromomethane	74-83-9	2 U	2	5	0.82
10237	2-Butanone	78-93-3	4 J	4	9	0.82
10237	Carbon Disulfide	75-15-0	1 J	0.9	5	0.82
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	5	0.82
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	5	0.82
10237	Chlorobenzene	108-90-7	0.9 U	0.9	5	0.82
10237	Chloroethane	75-00-3	2 U	2	5	0.82
10237	Chloroform	67-66-3	0.9 U	0.9	5	0.82
10237	Chloromethane	74-87-3	2 U	2	5	0.82
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.82
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	5	0.82
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	5	0.82
10237	Dibromomethane	74-95-3	0.9 U	0.9	5	0.82
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	47	0.82
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.82
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	5	0.82
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	5	0.82
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	5	0.82
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	5	0.82
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	5	0.82
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	5	0.82
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	5	0.82
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	5	0.82
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	5	0.82
10237	Ethylbenzene	100-41-4	0.9 U	0.9	5	0.82
10237	2-Hexanone	591-78-6	3 U	3	9	0.82
10237	Isobutyl Alcohol	78-83-1	94 U	94	240	0.82
10237	Methacrylonitrile	126-98-7	5 U	5	47	0.82
10237	Methyl Iodide	74-88-4	3 U	3	5	0.82
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	5	0.82
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.82
10237	Methylene Chloride	75-09-2	2 U	2	5	0.82
10237	Pentachloroethane	76-01-7	0.9 U	0.9	5	0.82
10237	Propionitrile	107-12-0	28 U	28	94	0.82
10237	Styrene	100-42-5	0.9 U	0.9	5	0.82
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	5	0.82
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	0.9 U	0.9	5	0.82
10237	Tetrachloroethene	127-18-4	0.9 U	0.9	5	0.82
10237	Toluene	108-88-3	0.9 U	0.9	5	0.82
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	5	0.82
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	5	0.82
10237	Trichloroethene	79-01-6	0.9 U	0.9	5	0.82
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.82

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1303

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	5	0.82
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.82
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	5	0.82
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	5	0.82
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 J	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	16 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	24	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	32	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	14 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	12 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	16 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	7 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1303

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	200	1
10726	Fluoranthene	206-44-0	14	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1303

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	5	J 4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	14	J 4	20	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	18.4	0.0381	1.15	1
06947	Beryllium	7440-41-7	0.547	J 0.0774	1.15	1
06949	Cadmium	7440-43-9	0.0589	J 0.0381	1.15	1
06951	Chromium	7440-47-3	10.1	0.127	3.46	1
06952	Cobalt	7440-48-4	1.22	0.111	1.15	1
06953	Copper	7440-50-8	5.26	0.381	2.31	1
06961	Nickel	7440-02-0	20.2	0.173	2.31	1
06966	Silver	7440-22-4	0.219	U 0.219	1.15	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1303

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.22 J	0.497	23.1	1
06971	Vanadium	7440-62-2	21.1	0.105	1.15	1
06972	Zinc	7440-66-6	14.9	0.300	4.62	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0975 U	0.0975	0.462	2
06125	Arsenic	7440-38-2	2.85	0.0986	0.924	2
06135	Lead	7439-92-1	10.7	0.0148	0.462	2
06141	Selenium	7782-49-2	0.439 J	0.115	0.924	2
06145	Thallium	7440-28-0	0.155 J	0.0346	0.231	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0586 J	0.0111	0.223	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 18:08	Chelsea B Stong	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 09:25	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 09:25	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 09:25	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 15:32	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 20:29	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3 Soil
SOIL 2014

LL Sample # SW 7711187
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1303

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:21	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:25	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:25	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:25	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:25	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:25	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:19	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B133D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	60	6	18	0.79
10237	Acetonitrile	75-05-8	23 U	23	90	0.79
10237	Acrolein	107-02-8	18 U	18	90	0.79
10237	Acrylonitrile	107-13-1	4 U	4	18	0.79
10237	Allyl Chloride	107-05-1	0.9 U	0.9	5	0.79
10237	Benzene	71-43-2	0.5 U	0.5	5	0.79
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	5	0.79
10237	Bromoform	75-25-2	0.9 U	0.9	5	0.79
10237	Bromomethane	74-83-9	2 U	2	5	0.79
10237	2-Butanone	78-93-3	4 U	4	9	0.79
10237	Carbon Disulfide	75-15-0	0.9 J	0.9	5	0.79
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	5	0.79
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	5	0.79
10237	Chlorobenzene	108-90-7	0.9 U	0.9	5	0.79
10237	Chloroethane	75-00-3	2 U	2	5	0.79
10237	Chloroform	67-66-3	0.9 U	0.9	5	0.79
10237	Chloromethane	74-87-3	2 U	2	5	0.79
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.79
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	5	0.79
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	5	0.79
10237	Dibromomethane	74-95-3	0.9 U	0.9	5	0.79
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	45	0.79
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.79
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	5	0.79
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	5	0.79
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	5	0.79
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	5	0.79
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	5	0.79
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	5	0.79
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	5	0.79
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	5	0.79
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	5	0.79
10237	Ethylbenzene	100-41-4	0.9 U	0.9	5	0.79
10237	2-Hexanone	591-78-6	3 U	3	9	0.79
10237	Isobutyl Alcohol	78-83-1	90 U	90	230	0.79
10237	Methacrylonitrile	126-98-7	5 U	5	45	0.79
10237	Methyl Iodide	74-88-4	3 U	3	5	0.79
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	5	0.79
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.79
10237	Methylene Chloride	75-09-2	2 U	2	5	0.79
10237	Pentachloroethane	76-01-7	0.9 U	0.9	5	0.79
10237	Propionitrile	107-12-0	27 U	27	90	0.79
10237	Styrene	100-42-5	0.9 U	0.9	5	0.79
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	5	0.79
10237	1,1,1,2-Tetrachloroethane	79-34-5	0.9 U	0.9	5	0.79
10237	Tetrachloroethene	127-18-4	0.9 U	0.9	5	0.79
10237	Toluene	108-88-3	0.9 U	0.9	5	0.79
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	5	0.79
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	5	0.79
10237	Trichloroethene	79-01-6	0.9 U	0.9	5	0.79
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.79

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B133D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	5	0.79
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.79
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	5	0.79
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	5	0.79
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	12 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	18 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	23 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	15 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	12 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	12 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	6 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B133D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	10	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	15	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B133D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	4	U 4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	9	J 4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	17.2	0.0368	1.12	1
06947	Beryllium	7440-41-7	0.510	J 0.0748	1.12	1
06949	Cadmium	7440-43-9	0.0714	J 0.0368	1.12	1
06951	Chromium	7440-47-3	9.59	0.123	3.35	1
06952	Cobalt	7440-48-4	1.21	0.107	1.12	1
06953	Copper	7440-50-8	4.77	0.368	2.23	1
06961	Nickel	7440-02-0	15.1	0.167	2.23	1
06966	Silver	7440-22-4	0.212	U 0.212	1.12	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B133D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.97 J	0.480	22.3	1
06971	Vanadium	7440-62-2	19.7	0.102	1.12	1
06972	Zinc	7440-66-6	14.6	0.290	4.46	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0942 U	0.0942	0.446	2
06125	Arsenic	7440-38-2	2.77	0.0953	0.893	2
06135	Lead	7439-92-1	9.85	0.0143	0.446	2
06141	Selenium	7782-49-2	0.367 J	0.112	0.893	2
06145	Thallium	7440-28-0	0.139 J	0.0335	0.223	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0484 J	0.0111	0.223	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 18:30	Chelsea B Stong	0.79
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 09:25	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 09:25	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 09:25	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 15:56	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 20:43	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-3-D Soil
SOIL 2014

LL Sample # SW 7711188
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:25 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B133D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:25	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:27	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:27	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:27	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:27	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:27	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:21	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1304

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	35	7	21	0.89
10237	Acetonitrile	75-05-8	26	U	100	0.89
10237	Acrolein	107-02-8	21	U	21	0.89
10237	Acrylonitrile	107-13-1	4	U	4	0.89
10237	Allyl Chloride	107-05-1	1	U	1	0.89
10237	Benzene	71-43-2	0.5	U	0.5	0.89
10237	Bromodichloromethane	75-27-4	1	U	1	0.89
10237	Bromoform	75-25-2	1	U	1	0.89
10237	Bromomethane	74-83-9	2	U	2	0.89
10237	2-Butanone	78-93-3	4	U	4	0.89
10237	Carbon Disulfide	75-15-0	1	J	1	0.89
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.89
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.89
10237	Chlorobenzene	108-90-7	1	U	1	0.89
10237	Chloroethane	75-00-3	2	U	2	0.89
10237	Chloroform	67-66-3	1	U	1	0.89
10237	Chloromethane	74-87-3	2	U	2	0.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.89
10237	Dibromochloromethane	124-48-1	1	U	1	0.89
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.89
10237	Dibromomethane	74-95-3	1	U	1	0.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.89
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.89
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.89
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.89
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.89
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.89
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.89
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.89
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.89
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.89
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.89
10237	Ethylbenzene	100-41-4	1	U	1	0.89
10237	2-Hexanone	591-78-6	3	U	3	0.89
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.89
10237	Methacrylonitrile	126-98-7	5	U	5	0.89
10237	Methyl Iodide	74-88-4	3	U	3	0.89
10237	Methyl Methacrylate	80-62-6	1	U	1	0.89
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.89
10237	Methylene Chloride	75-09-2	2	U	2	0.89
10237	Pentachloroethane	76-01-7	1	U	1	0.89
10237	Propionitrile	107-12-0	31	U	31	0.89
10237	Styrene	100-42-5	1	U	1	0.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.89
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.89
10237	Tetrachloroethene	127-18-4	1	U	1	0.89
10237	Toluene	108-88-3	1	U	1	0.89
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.89
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.89
10237	Trichloroethene	79-01-6	1	U	1	0.89
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1304

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.89
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.89
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.89
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.89
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	39	1
10726	2-Acetylaminofluorene	53-96-3	78 U	78	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	10 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	19 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	22 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	15 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	11 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	39	1
10726	Butylbenzylphthalate	85-68-7	78 U	78	190	1
10726	Di-n-butylphthalate	84-74-2	78 U	78	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	39	1
10726	4-Chloroaniline	106-47-8	19 U	19	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	39	1
10726	Chrysene	218-01-9	10 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	39	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	39	1
10726	Diethylphthalate	84-66-2	78 U	78	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	78 U	78	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1304

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	8	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	78	U 78	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	190	1
10726	4-Nitroaniline	100-01-6	78	U 78	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1304

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	190	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	190	1
10726	Phenanthrene	85-01-8	4	J 4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	8	J 4	20	1
10726	Pyridine	110-86-1	78	U 78	190	1
10726	Safrole	94-59-7	78	U 78	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	190	1
10726	Thionazin	297-97-2	78	U 78	190	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	24.5	0.0383	1.16	1
06947	Beryllium	7440-41-7	0.656	J 0.0778	1.16	1
06949	Cadmium	7440-43-9	0.0627	J 0.0383	1.16	1
06951	Chromium	7440-47-3	8.98	0.128	3.48	1
06952	Cobalt	7440-48-4	1.47	0.111	1.16	1
06953	Copper	7440-50-8	4.91	0.383	2.32	1
06961	Nickel	7440-02-0	24.4	0.174	2.32	1
06966	Silver	7440-22-4	0.221	U 0.221	1.16	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1304

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.38 J	0.499	23.2	1
06971	Vanadium	7440-62-2	18.6	0.106	1.16	1
06972	Zinc	7440-66-6	14.2	0.302	4.64	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.110 J	0.0980	0.464	2
06125	Arsenic	7440-38-2	2.60	0.0991	0.929	2
06135	Lead	7439-92-1	10.8	0.0149	0.464	2
06141	Selenium	7782-49-2	0.281 J	0.116	0.929	2
06145	Thallium	7440-28-0	0.154 J	0.0348	0.232	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0632 J	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 18:53	Chelsea B Stong	0.89
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 10:29	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 10:29	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 10:29	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 16:21	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 20:58	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-4 Soil
SOIL 2014

LL Sample # SW 7711189
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:29 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1304

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:36	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:34	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:34	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:34	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:34	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:34	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:23	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-5 Soil
SOIL 2014

LL Sample # SW 7711190
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:55 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1305

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	39	7	20	0.83
10237	Acetonitrile	75-05-8	25 U	25	98	0.83
10237	Acrolein	107-02-8	20 U	20	98	0.83
10237	Acrylonitrile	107-13-1	4 U	4	20	0.83
10237	Allyl Chloride	107-05-1	1 U	1	5	0.83
10237	Benzene	71-43-2	0.5 U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.83
10237	Bromoform	75-25-2	1 U	1	5	0.83
10237	Bromomethane	74-83-9	2 U	2	5	0.83
10237	2-Butanone	78-93-3	4 U	4	10	0.83
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.83
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.83
10237	Chlorobenzene	108-90-7	1 U	1	5	0.83
10237	Chloroethane	75-00-3	2 U	2	5	0.83
10237	Chloroform	67-66-3	1 U	1	5	0.83
10237	Chloromethane	74-87-3	2 U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.83
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.83
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.83
10237	Dibromomethane	74-95-3	1 U	1	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.83
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.83
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.83
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.83
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.83
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.83
10237	Ethylbenzene	100-41-4	1 U	1	5	0.83
10237	2-Hexanone	591-78-6	3 U	3	10	0.83
10237	Isobutyl Alcohol	78-83-1	98 U	98	250	0.83
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.83
10237	Methyl Iodide	74-88-4	3 U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.83
10237	Methylene Chloride	75-09-2	2 U	2	5	0.83
10237	Pentachloroethane	76-01-7	1 U	1	5	0.83
10237	Propionitrile	107-12-0	30 U	30	98	0.83
10237	Styrene	100-42-5	1 U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.83
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.83
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.83
10237	Toluene	108-88-3	1 U	1	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.83
10237	Trichloroethene	79-01-6	1 U	1	5	0.83
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-5 Soil
SOIL 2014

LL Sample # SW 7711190
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:55 by KS

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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	39	1
10726	2-Acetylaminofluorene	53-96-3	78 U	78	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	590	1
10726	Aniline	62-53-3	200 U	200	590	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	14 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	21	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	34	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	20	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	12 J	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	590	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	39	1
10726	Butylbenzylphthalate	85-68-7	78 U	78	200	1
10726	Di-n-butylphthalate	84-74-2	78 U	78	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	39	1
10726	4-Chloroaniline	106-47-8	20 U	20	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	39	1
10726	Chrysene	218-01-9	15 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	7 J	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	39	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	39	1
10726	Diethylphthalate	84-66-2	78 U	78	200	1
10726	Dimethoate	60-51-5	200 U	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	78 U	78	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590 U	590	1,200	1

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SOIL 2014

LL Sample # SW 7711190
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 09:55 by KS

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Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1305

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	20	U 20	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	18	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	20	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	78	U 78	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	980	U 980	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	200	1
10726	4-Nitroaniline	100-01-6	78	U 78	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	200	1

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SOIL 2014

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B1305

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	200	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	200	1
10726	Phenanthrene	85-01-8	7	J 4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	17	J 4	20	1
10726	Pyridine	110-86-1	78	U 78	200	1
10726	Safrole	94-59-7	78	U 78	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	200	1
10726	Thionazin	297-97-2	78	U 78	200	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	29.3	0.0379	1.15	1
06947	Beryllium	7440-41-7	0.708	J 0.0769	1.15	1
06949	Cadmium	7440-43-9	0.0998	J 0.0379	1.15	1
06951	Chromium	7440-47-3	9.12	0.126	3.44	1
06952	Cobalt	7440-48-4	1.56	0.110	1.15	1
06953	Copper	7440-50-8	5.28	0.379	2.30	1
06961	Nickel	7440-02-0	12.0	0.172	2.30	1
06966	Silver	7440-22-4	0.218	U 0.218	1.15	1

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SOIL 2014

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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.22 J	0.493	23.0	1
06971	Vanadium	7440-62-2	20.1	0.104	1.15	1
06972	Zinc	7440-66-6	17.0	0.298	4.59	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0969 U	0.0969	0.459	2
06125	Arsenic	7440-38-2	2.49	0.0980	0.918	2
06135	Lead	7439-92-1	12.5	0.0147	0.459	2
06141	Selenium	7782-49-2	0.374 J	0.115	0.918	2
06145	Thallium	7440-28-0	0.194 J	0.0344	0.230	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0556 J	0.0117	0.235	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/18/2014 01:19	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 09:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 09:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 09:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 16:45	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 21:13	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1

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SOIL 2014

LL Sample # SW 7711190
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Account # 06643

Project Name: BRE - SOIL

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:39	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:36	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:36	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:36	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:36	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:36	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:29	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1306

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	28	8	23	0.98
10237	Acetonitrile	75-05-8	28	U 28	110	0.98
10237	Acrolein	107-02-8	23	U 23	110	0.98
10237	Acrylonitrile	107-13-1	5	U 5	23	0.98
10237	Allyl Chloride	107-05-1	1	U 1	6	0.98
10237	Benzene	71-43-2	0.6	U 0.6	6	0.98
10237	Bromodichloromethane	75-27-4	1	U 1	6	0.98
10237	Bromoform	75-25-2	1	U 1	6	0.98
10237	Bromomethane	74-83-9	2	U 2	6	0.98
10237	2-Butanone	78-93-3	5	U 5	11	0.98
10237	Carbon Disulfide	75-15-0	2	J 1	6	0.98
10237	Carbon Tetrachloride	56-23-5	1	U 1	6	0.98
10237	2-Chloro-1,3-butadiene	126-99-8	1	U 1	6	0.98
10237	Chlorobenzene	108-90-7	1	U 1	6	0.98
10237	Chloroethane	75-00-3	2	U 2	6	0.98
10237	Chloroform	67-66-3	1	U 1	6	0.98
10237	Chloromethane	74-87-3	2	U 2	6	0.98
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U 2	6	0.98
10237	Dibromochloromethane	124-48-1	1	U 1	6	0.98
10237	1,2-Dibromoethane	106-93-4	1	U 1	6	0.98
10237	Dibromomethane	74-95-3	1	U 1	6	0.98
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U 11	56	0.98
10237	Dichlorodifluoromethane	75-71-8	2	U 2	6	0.98
10237	1,1-Dichloroethane	75-34-3	1	U 1	6	0.98
10237	1,2-Dichloroethane	107-06-2	1	U 1	6	0.98
10237	1,1-Dichloroethene	75-35-4	1	U 1	6	0.98
10237	cis-1,2-Dichloroethene	156-59-2	2	J 1	6	0.98
10237	trans-1,2-Dichloroethene	156-60-5	2	J 1	6	0.98
10237	1,2-Dichloropropane	78-87-5	1	U 1	6	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	1	U 1	6	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	1	U 1	6	0.98
10237	Ethyl Methacrylate	97-63-2	1	U 1	6	0.98
10237	Ethylbenzene	100-41-4	1	U 1	6	0.98
10237	2-Hexanone	591-78-6	3	U 3	11	0.98
10237	Isobutyl Alcohol	78-83-1	110	U 110	280	0.98
10237	Methacrylonitrile	126-98-7	6	U 6	56	0.98
10237	Methyl Iodide	74-88-4	3	U 3	6	0.98
10237	Methyl Methacrylate	80-62-6	1	U 1	6	0.98
10237	4-Methyl-2-pentanone	108-10-1	3	U 3	11	0.98
10237	Methylene Chloride	75-09-2	2	U 2	6	0.98
10237	Pentachloroethane	76-01-7	1	U 1	6	0.98
10237	Propionitrile	107-12-0	34	U 34	110	0.98
10237	Styrene	100-42-5	1	U 1	6	0.98
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U 1	6	0.98
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	25	1	6	0.98
10237	Tetrachloroethene	127-18-4	4	J 1	6	0.98
10237	Toluene	108-88-3	1	U 1	6	0.98
10237	1,1,1-Trichloroethane	71-55-6	1	U 1	6	0.98
10237	1,1,2-Trichloroethane	79-00-5	1	U 1	6	0.98
10237	Trichloroethene	79-01-6	13	1	6	0.98
10237	Trichlorofluoromethane	75-69-4	2	U 2	6	0.98

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1306

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.98
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.98
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.98
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.98
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	53	4	19	1
10726	Acenaphthylene	208-96-8	12 J	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	140	4	19	1
10726	Benzo(a)anthracene	56-55-3	820	4	19	1
10726	Benzo(a)pyrene	50-32-8	860	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	1,300	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	640	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	430	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	74	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	900	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	150	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1306

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	110	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	1,600	4	19	1
10726	Fluorene	86-73-7	51	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	610	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	9	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1306

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	680	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	1,300	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	40.5	0.0375	1.14	1
06947	Beryllium	7440-41-7	0.765	J 0.0761	1.14	1
06949	Cadmium	7440-43-9	0.0920	J 0.0375	1.14	1
06951	Chromium	7440-47-3	5.70	0.125	3.41	1
06952	Cobalt	7440-48-4	2.38	0.109	1.14	1
06953	Copper	7440-50-8	5.42	0.375	2.27	1
06961	Nickel	7440-02-0	30.1	0.170	2.27	1
06966	Silver	7440-22-4	0.506	J 0.216	1.14	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1306

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.86 J	0.488	22.7	1
06971	Vanadium	7440-62-2	13.2	0.103	1.14	1
06972	Zinc	7440-66-6	26.2	0.295	4.54	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.306 J	0.0958	0.454	2
06125	Arsenic	7440-38-2	1.60	0.0970	0.908	2
06135	Lead	7439-92-1	11.0	0.0146	0.454	2
06141	Selenium	7782-49-2	0.267 J	0.114	0.908	2
06145	Thallium	7440-28-0	0.151 J	0.0341	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0307 J	0.0113	0.225	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	12.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 19:16	Chelsea B Stong	0.98
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 10:39	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 10:39	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 10:39	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 17:09	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 21:28	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-6 Soil
SOIL 2014

LL Sample # SW 7711191
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1306

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:43	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:39	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:39	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:39	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:39	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:39	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:32	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	55	8	23	0.97
10237	Acetonitrile	75-05-8	29	U	120	0.97
10237	Acrolein	107-02-8	23	U	120	0.97
10237	Acrylonitrile	107-13-1	5	U	23	0.97
10237	Allyl Chloride	107-05-1	1	U	6	0.97
10237	Benzene	71-43-2	0.6	U	6	0.97
10237	Bromodichloromethane	75-27-4	1	U	6	0.97
10237	Bromoform	75-25-2	1	U	6	0.97
10237	Bromomethane	74-83-9	2	U	6	0.97
10237	2-Butanone	78-93-3	5	U	12	0.97
10237	Carbon Disulfide	75-15-0	1	U	6	0.97
10237	Carbon Tetrachloride	56-23-5	1	U	6	0.97
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	0.97
10237	Chlorobenzene	108-90-7	1	U	6	0.97
10237	Chloroethane	75-00-3	2	U	6	0.97
10237	Chloroform	67-66-3	1	U	6	0.97
10237	Chloromethane	74-87-3	2	U	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	0.97
10237	Dibromochloromethane	124-48-1	1	U	6	0.97
10237	1,2-Dibromoethane	106-93-4	1	U	6	0.97
10237	Dibromomethane	74-95-3	1	U	6	0.97
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	58	0.97
10237	Dichlorodifluoromethane	75-71-8	2	U	6	0.97
10237	1,1-Dichloroethane	75-34-3	1	U	6	0.97
10237	1,2-Dichloroethane	107-06-2	1	U	6	0.97
10237	1,1-Dichloroethene	75-35-4	1	U	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	0.97
10237	1,2-Dichloropropane	78-87-5	1	U	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	0.97
10237	Ethyl Methacrylate	97-63-2	1	U	6	0.97
10237	Ethylbenzene	100-41-4	1	U	6	0.97
10237	2-Hexanone	591-78-6	3	U	12	0.97
10237	Isobutyl Alcohol	78-83-1	120	U	290	0.97
10237	Methacrylonitrile	126-98-7	6	U	58	0.97
10237	Methyl Iodide	74-88-4	3	U	6	0.97
10237	Methyl Methacrylate	80-62-6	1	U	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	3	U	12	0.97
10237	Methylene Chloride	75-09-2	9	U	6	0.97
10237	Pentachloroethane	76-01-7	1	U	6	0.97
10237	Propionitrile	107-12-0	35	U	120	0.97
10237	Styrene	100-42-5	1	U	6	0.97
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	0.97
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	6	0.97
10237	Tetrachloroethene	127-18-4	8	U	6	0.97
10237	Toluene	108-88-3	1	U	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	0.97
10237	Trichloroethene	79-01-6	3	J	6	0.97
10237	Trichlorofluoromethane	75-69-4	2	U	6	0.97

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.97
10237	Vinyl Acetate	108-05-4	2 U	2	12	0.97
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.97
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.97
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	17 J	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	40	1
10726	2-Acetylaminofluorene	53-96-3	80 U	80	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	600	1
10726	Aniline	62-53-3	200 U	200	600	1
10726	Anthracene	120-12-7	42 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	170 U	4	20	1
10726	Benzo(a)pyrene	50-32-8	170 U	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	240 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	120 U	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	82 U	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	600	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	40	1
10726	Butylbenzylphthalate	85-68-7	80 U	80	200	1
10726	Di-n-butylphthalate	84-74-2	80 U	80	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	40	1
10726	4-Chloroaniline	106-47-8	20 U	20	40	1
10726	Chlorobenzilate	510-15-6	40 U	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	40	1
10726	Chrysene	218-01-9	160 U	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40 U	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	28 U	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	400	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	40	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	40	1
10726	Diethylphthalate	84-66-2	80 U	80	200	1
10726	Dimethoate	60-51-5	200 U	200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	80 U	80	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600 U	600	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	80	U 80	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	80	U 80	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	80	U 80	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	80	U 80	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	80	U 80	200	1
10726	Fluoranthene	206-44-0	340	4	20	1
10726	Fluorene	86-73-7	18	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	110	4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	80	U 80	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	990	U 990	4,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	80	U 80	200	1
10726	4-Nitroaniline	100-01-6	80	U 80	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	80	U 80	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	80	U 80	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	80	U 80	200	1
10726	N-Nitrosomorpholine	59-89-2	80	U 80	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	80	U 80	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	80	U 80	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	80	U 80	200	1
10726	Phenanthrene	85-01-8	180	4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	260	4	20	1
10726	Pyridine	110-86-1	80	U 80	200	1
10726	Safrole	94-59-7	80	U 80	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	80	U 80	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	80	U 80	200	1
10726	Thionazin	297-97-2	80	U 80	200	1
10726	o-Toluidine	95-53-4	240	U 240	800	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	80	U 80	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	23.2	0.0390	1.18	1
06947	Beryllium	7440-41-7	0.962	J 0.0792	1.18	1
06949	Cadmium	7440-43-9	0.150	J 0.0390	1.18	1
06951	Chromium	7440-47-3	6.24	0.130	3.54	1
06952	Cobalt	7440-48-4	2.27	0.113	1.18	1
06953	Copper	7440-50-8	4.48	0.390	2.36	1
06961	Nickel	7440-02-0	36.0	0.177	2.36	1
06966	Silver	7440-22-4	0.224	U 0.224	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1307

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.83 J	0.508	23.6	1
06971	Vanadium	7440-62-2	15.2	0.108	1.18	1
06972	Zinc	7440-66-6	22.3	0.307	4.73	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0997 U	0.0997	0.473	2
06125	Arsenic	7440-38-2	2.04	0.101	0.945	2
06135	Lead	7439-92-1	11.7	0.0152	0.473	2
06141	Selenium	7782-49-2	0.399 J	0.118	0.945	2
06145	Thallium	7440-28-0	0.233 J	0.0354	0.236	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0471 J	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	16.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 19:38	Chelsea B Stong	0.97
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 13:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 13:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 13:45	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 17:34	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 21:42	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-7 Soil
SOIL 2014

LL Sample # SW 7711192
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 13:45 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1307

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:46	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:41	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:41	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:41	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:41	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:41	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:34	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006A	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	29	7	19	0.8
10237	Acetonitrile	75-05-8	24 U	24	96	0.8
10237	Acrolein	107-02-8	19 U	19	96	0.8
10237	Acrylonitrile	107-13-1	4 U	4	19	0.8
10237	Allyl Chloride	107-05-1	1 U	1	5	0.8
10237	Benzene	71-43-2	0.5 U	0.5	5	0.8
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.8
10237	Bromoform	75-25-2	1 U	1	5	0.8
10237	Bromomethane	74-83-9	2 U	2	5	0.8
10237	2-Butanone	78-93-3	4 U	4	10	0.8
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.8
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.8
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.8
10237	Chlorobenzene	108-90-7	1 U	1	5	0.8
10237	Chloroethane	75-00-3	2 U	2	5	0.8
10237	Chloroform	67-66-3	1 U	1	5	0.8
10237	Chloromethane	74-87-3	2 U	2	5	0.8
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.8
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.8
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.8
10237	Dibromomethane	74-95-3	1 U	1	5	0.8
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	48	0.8
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.8
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.8
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.8
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.8
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.8
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.8
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.8
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.8
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.8
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.8
10237	Ethylbenzene	100-41-4	1 U	1	5	0.8
10237	2-Hexanone	591-78-6	3 U	3	10	0.8
10237	Isobutyl Alcohol	78-83-1	96 U	96	240	0.8
10237	Methacrylonitrile	126-98-7	5 U	5	48	0.8
10237	Methyl Iodide	74-88-4	3 U	3	5	0.8
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.8
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.8
10237	Methylene Chloride	75-09-2	2 U	2	5	0.8
10237	Pentachloroethane	76-01-7	1 U	1	5	0.8
10237	Propionitrile	107-12-0	29 U	29	96	0.8
10237	Styrene	100-42-5	1 U	1	5	0.8
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.8
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.8
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.8
10237	Toluene	108-88-3	1 U	1	5	0.8
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.8
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.8
10237	Trichloroethene	79-01-6	1 J	1	5	0.8
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.8

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.8
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.8
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.8
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.8
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	39	1
10726	2-Acetylaminofluorene	53-96-3	78 U	78	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	590	1
10726	Aniline	62-53-3	200 U	200	590	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	17 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	17 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	29 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	14 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	13 J	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	590	1
10726	1,1'-Biphenyl	92-52-4	38 J	20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	39	1
10726	Butylbenzylphthalate	85-68-7	78 U	78	200	1
10726	Di-n-butylphthalate	84-74-2	78 U	78	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	39	1
10726	4-Chloroaniline	106-47-8	20 U	20	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	39	1
10726	Chrysene	218-01-9	21 U	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	39	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	39	1
10726	Diethylphthalate	84-66-2	78 U	78	200	1
10726	Dimethoate	60-51-5	200 U	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	78 U	78	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590 U	590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	63	20	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	40	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	11	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	78	U 78	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	980	U 980	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	200	1
10726	4-Nitroaniline	100-01-6	78	U 78	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	200	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	200	1
10726	Phenanthrene	85-01-8	17	J 4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	34	4	20	1
10726	Pyridine	110-86-1	78	U 78	200	1
10726	Safrole	94-59-7	78	U 78	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	200	1
10726	Thionazin	297-97-2	78	U 78	200	1
10726	o-Toluidine	95-53-4	240	U 240	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	34.9	0.0389	1.18	1
06947	Beryllium	7440-41-7	0.827	J 0.0791	1.18	1
06949	Cadmium	7440-43-9	0.0885	J 0.0389	1.18	1
06951	Chromium	7440-47-3	5.30	0.130	3.54	1
06952	Cobalt	7440-48-4	2.57	0.113	1.18	1
06953	Copper	7440-50-8	4.94	0.389	2.36	1
06961	Nickel	7440-02-0	19.1	0.177	2.36	1
06966	Silver	7440-22-4	0.338	J 0.224	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.05 J	0.507	23.6	1
06971	Vanadium	7440-62-2	12.2	0.107	1.18	1
06972	Zinc	7440-66-6	21.7	0.307	4.72	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.271 J	0.0996	0.472	2
06125	Arsenic	7440-38-2	2.08	0.101	0.944	2
06135	Lead	7439-92-1	12.4	0.0152	0.472	2
06141	Selenium	7782-49-2	0.371 J	0.118	0.944	2
06145	Thallium	7440-28-0	0.190 J	0.0354	0.236	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0335 J	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	16.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 20:01	Chelsea B Stong	0.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 14:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/17/2014 21:44	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 23:41	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Soil
SOIL 2014

LL Sample # SW 7711193
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:07	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:35	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:35	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:35	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:35	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:35	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 09:48	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MS Soil
SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	160	7	20	0.84
10237	Acetonitrile	75-05-8	95	23	92	0.78
10237	Acrolein	107-02-8	94	20	100	0.84
10237	Acrylonitrile	107-13-1	85	4	20	0.84
10237	Allyl Chloride	107-05-1	21	1	5	0.84
10237	Benzene	71-43-2	21	0.5	5	0.84
10237	Bromodichloromethane	75-27-4	20	1	5	0.84
10237	Bromoform	75-25-2	18	1	5	0.84
10237	Bromomethane	74-83-9	19	2	5	0.84
10237	2-Butanone	78-93-3	130	4	10	0.84
10237	Carbon Disulfide	75-15-0	20	1	5	0.84
10237	Carbon Tetrachloride	56-23-5	24	1	5	0.84
10237	2-Chloro-1,3-butadiene	126-99-8	21	1	5	0.84
10237	Chlorobenzene	108-90-7	20	1	5	0.84
10237	Chloroethane	75-00-3	19	2	5	0.84
10237	Chloroform	67-66-3	22	1	5	0.84
10237	Chloromethane	74-87-3	19	2	5	0.84
10237	1,2-Dibromo-3-chloropropane	96-12-8	17	2	5	0.84
10237	Dibromochloromethane	124-48-1	21	1	5	0.84
10237	1,2-Dibromoethane	106-93-4	21	1	5	0.84
10237	Dibromomethane	74-95-3	21	1	5	0.84
10237	trans-1,4-Dichloro-2-butene	110-57-6	110	10	50	0.84
10237	Dichlorodifluoromethane	75-71-8	21	2	5	0.84
10237	1,1-Dichloroethane	75-34-3	20	1	5	0.84
10237	1,2-Dichloroethane	107-06-2	23	1	5	0.84
10237	1,1-Dichloroethene	75-35-4	23	1	5	0.84
10237	cis-1,2-Dichloroethene	156-59-2	22	1	5	0.84
10237	trans-1,2-Dichloroethene	156-60-5	22	1	5	0.84
10237	1,2-Dichloropropane	78-87-5	20	1	5	0.84
10237	cis-1,3-Dichloropropene	10061-01-5	19	1	5	0.84
10237	trans-1,3-Dichloropropene	10061-02-6	19	1	5	0.84
10237	Ethyl Methacrylate	97-63-2	18	1	5	0.84
10237	Ethylbenzene	100-41-4	21	1	5	0.84
10237	2-Hexanone	591-78-6	69	3	10	0.84
10237	Isobutyl Alcohol	78-83-1	400	100	250	0.84
10237	Methacrylonitrile	126-98-7	150	5	50	0.84
10237	Methyl Iodide	74-88-4	21	3	5	0.84
10237	Methyl Methacrylate	80-62-6	20	1	5	0.84
10237	4-Methyl-2-pentanone	108-10-1	74	3	10	0.84
10237	Methylene Chloride	75-09-2	21	2	5	0.84
10237	Pentachloroethane	76-01-7	21	1	5	0.84
10237	Propionitrile	107-12-0	130	30	100	0.84
10237	Styrene	100-42-5	20	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	630-20-6	21	1	5	0.84
10237	1,1,2,2-Tetrachloroethane	79-34-5	19	1	5	0.84
10237	Tetrachloroethene	127-18-4	21	1	5	0.84
10237	Toluene	108-88-3	21	1	5	0.84
10237	1,1,1-Trichloroethane	71-55-6	20	1	5	0.84
10237	1,1,2-Trichloroethane	79-00-5	21	1	5	0.84
10237	Trichloroethene	79-01-6	23	1	5	0.84
10237	Trichlorofluoromethane	75-69-4	24	2	5	0.84

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Sample Description: SSP14-SWMU13-SS-8 MS Soil
SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	20	1	5	0.84
10237	Vinyl Acetate	108-05-4	51	2	9	0.78
10237	Vinyl Chloride	75-01-4	21	1	5	0.84
10237	Xylene (Total)	1330-20-7	61	1	5	0.84
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,900	4	20	1
10726	Acenaphthylene	208-96-8	2,000	4	20	1
10726	Acetophenone	98-86-2	1,900	20	39	1
10726	2-Acetylaminofluorene	53-96-3	1,800	79	200	1
10726	4-Aminobiphenyl	92-67-1	250	J 200	590	1
10726	Aniline	62-53-3	620	200	590	1
10726	Anthracene	120-12-7	1,900	4	20	1
10726	Benzo(a)anthracene	56-55-3	1,900	4	20	1
10726	Benzo(a)pyrene	50-32-8	1,900	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	2,000	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	20	1
10726	Benzyl alcohol	100-51-6	2,000	200	590	1
10726	1,1'-Biphenyl	92-52-4	1,800	20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	1,900	20	39	1
10726	Butylbenzylphthalate	85-68-7	1,900	79	200	1
10726	Di-n-butylphthalate	84-74-2	2,000	79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	2,100	20	39	1
10726	4-Chloroaniline	106-47-8	390	20	39	1
10726	Chlorobenzilate	510-15-6	2,200	39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,800	20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	2,400	20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,900	20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,900	8	39	1
10726	2-Chlorophenol	95-57-8	2,100	20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,900	20	39	1
10726	Chrysene	218-01-9	1,800	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	2,000	39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	2,000	4	20	1
10726	Dibenzofuran	132-64-9	1,900	20	39	1
10726	1,2-Dichlorobenzene	95-50-1	1,900	20	39	1
10726	1,3-Dichlorobenzene	541-73-1	1,800	20	39	1
10726	1,4-Dichlorobenzene	106-46-7	1,800	20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	270	J 120	390	1
10726	2,4-Dichlorophenol	120-83-2	2,000	20	39	1
10726	2,6-Dichlorophenol	87-65-0	2,100	20	39	1
10726	Diethylphthalate	84-66-2	1,900	79	200	1
10726	Dimethoate	60-51-5	1,700	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	1,800	79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,800	20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590	U 590	1,200	1

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Sample Description: SSP14-SWMU13-SS-8 MS Soil
SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	1,900	20	39	1
10726	Dimethylphthalate	131-11-3	1,900	79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,000	200	590	1
10726	1,3-Dinitrobenzene	99-65-0	1,900	79	200	1
10726	2,4-Dinitrophenol	51-28-5	4,100	360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	1,900	79	200	1
10726	2,6-Dinitrotoluene	606-20-2	2,000	20	39	1
10726	1,4-Dioxane	123-91-1	1,200	120	390	1
10726	Diphenyl ether	101-84-8	1,900	20	39	1
10726	Ethyl methanesulfonate	62-50-0	1,500	79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,000	79	200	1
10726	Fluoranthene	206-44-0	1,900	4	20	1
10726	Fluorene	86-73-7	1,900	4	20	1
10726	Hexachlorobenzene	118-74-1	1,800	4	20	1
10726	Hexachlorobutadiene	87-68-3	1,800	20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	3,000	200	590	1
10726	Hexachloroethane	67-72-1	1,900	39	200	1
10726	Hexachloropropene	1888-71-7	1,800	120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,000	4	20	1
10726	Isodrin	465-73-6	1,800	20	39	1
10726	Isophorone	78-59-1	2,000	20	39	1
10726	Isosafrole	120-58-1	2,000	79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	710	39	200	1
10726	3-Methylcholanthrene	56-49-5	2,000	20	39	1
10726	2-Methylnaphthalene	91-57-6	1,900	4	20	1
10726	2-Methylphenol	95-48-7	2,100	20	39	1
10726	4-Methylphenol	106-44-5	1,900	20	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,900	4	20	1
10726	1,4-Napthoquinone	130-15-4	1,800	J 990	3,900	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	210	J 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	2,200	20	39	1
10726	3-Nitroaniline	99-09-2	1,000	79	200	1
10726	4-Nitroaniline	100-01-6	1,400	79	200	1
10726	Nitrobenzene	98-95-3	1,800	20	39	1
10726	5-Nitro-o-toluidine	99-55-8	1,400	200	590	1
10726	2-Nitrophenol	88-75-5	2,100	20	39	1
10726	4-Nitrophenol	100-02-7	2,100	200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	9,300	E 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	1,900	20	39	1
10726	N-Nitrosodimethylamine	62-75-9	1,700	79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MS Soil
SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

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B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	2,000	79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,900	20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	1,900	20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,700	79	200	1
10726	N-Nitrosomorpholine	59-89-2	1,900	79	200	1
10726	N-Nitrosopiperidine	100-75-4	1,900	20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	2,000	20	39	1
10726	Di-n-octylphthalate	117-84-0	2,300	79	200	1
10726	Pentachlorobenzene	608-93-5	1,800	20	39	1
10726	Pentachloronitrobenzene	82-68-8	2,000	79	200	1
10726	Pentachlorophenol	87-86-5	2,100	39	200	1
10726	Phenacetin	62-44-2	1,900	79	200	1
10726	Phenanthrene	85-01-8	1,800	4	20	1
10726	Phenol	108-95-2	1,900	20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	1,100	120	390	1
10726	Pronamide	23950-58-5	2,000	39	200	1
10726	Pyrene	129-00-0	1,900	4	20	1
10726	Pyridine	110-86-1	1,200	79	200	1
10726	Safrole	94-59-7	1,900	79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,800	20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,000	79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,900	79	200	1
10726	Thionazin	297-97-2	2,100	79	200	1
10726	o-Toluidine	95-53-4	1,100	240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	1,900	20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	2,000	20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	2,100	20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,900	79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,300	200	590	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	220	6.0	12	1
12925	Ethylene glycol	107-21-1	230	6.0	12	1
12925	Propylene glycol	57-55-6	230	6.0	12	1
12925	Triethylene glycol	112-27-6	180	6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	274	0.0389	1.18	1
06947	Beryllium	7440-41-7	7.16	0.0791	1.18	1
06949	Cadmium	7440-43-9	5.87	0.0389	1.18	1
06951	Chromium	7440-47-3	28.7	0.130	3.54	1
06952	Cobalt	7440-48-4	60.3	0.113	1.18	1
06953	Copper	7440-50-8	35.7	0.389	2.36	1
06961	Nickel	7440-02-0	75.0	0.177	2.36	1
06966	Silver	7440-22-4	6.35	0.224	1.18	1

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SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

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Submitted: 12/12/2014 22:00

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B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	445	0.507	23.6	1
06971	Vanadium	7440-62-2	72.0	0.107	1.18	1
06972	Zinc	7440-66-6	80.7	0.307	4.72	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.53	0.0996	0.472	2
06125	Arsenic	7440-38-2	4.46	0.101	0.944	2
06135	Lead	7439-92-1	13.9	0.0152	0.472	2
06141	Selenium	7782-49-2	2.92	0.118	0.944	2
06145	Thallium	7440-28-0	0.613	0.0354	0.236	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.229 J	0.0116	0.232	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	16.1	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 20:24	Chelsea B Stong	0.84
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 21:09	Chelsea B Stong	0.78
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 14:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/17/2014 22:08	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 23:56	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MS Soil
SOIL 2014

LL Sample # SW 7711194
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:17	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:42	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:42	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:42	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:42	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:42	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 09:58	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	150	7	19	0.81
10237	Acetonitrile	75-05-8	110	24	95	0.8
10237	Acrolein	107-02-8	87	19	97	0.81
10237	Acrylonitrile	107-13-1	81	4	19	0.81
10237	Allyl Chloride	107-05-1	20	1	5	0.81
10237	Benzene	71-43-2	21	0.5	5	0.81
10237	Bromodichloromethane	75-27-4	19	1	5	0.81
10237	Bromoform	75-25-2	16	1	5	0.81
10237	Bromomethane	74-83-9	17	2	5	0.81
10237	2-Butanone	78-93-3	130	4	10	0.81
10237	Carbon Disulfide	75-15-0	19	1	5	0.81
10237	Carbon Tetrachloride	56-23-5	22	1	5	0.81
10237	2-Chloro-1,3-butadiene	126-99-8	20	1	5	0.81
10237	Chlorobenzene	108-90-7	19	1	5	0.81
10237	Chloroethane	75-00-3	17	2	5	0.81
10237	Chloroform	67-66-3	21	1	5	0.81
10237	Chloromethane	74-87-3	18	2	5	0.81
10237	1,2-Dibromo-3-chloropropane	96-12-8	15	2	5	0.81
10237	Dibromochloromethane	124-48-1	20	1	5	0.81
10237	1,2-Dibromoethane	106-93-4	20	1	5	0.81
10237	Dibromomethane	74-95-3	19	1	5	0.81
10237	trans-1,4-Dichloro-2-butene	110-57-6	100	10	48	0.81
10237	Dichlorodifluoromethane	75-71-8	19	2	5	0.81
10237	1,1-Dichloroethane	75-34-3	20	1	5	0.81
10237	1,2-Dichloroethane	107-06-2	21	1	5	0.81
10237	1,1-Dichloroethene	75-35-4	21	1	5	0.81
10237	cis-1,2-Dichloroethene	156-59-2	21	1	5	0.81
10237	trans-1,2-Dichloroethene	156-60-5	22	1	5	0.81
10237	1,2-Dichloropropane	78-87-5	19	1	5	0.81
10237	cis-1,3-Dichloropropene	10061-01-5	18	1	5	0.81
10237	trans-1,3-Dichloropropene	10061-02-6	19	1	5	0.81
10237	Ethyl Methacrylate	97-63-2	17	1	5	0.81
10237	Ethylbenzene	100-41-4	19	1	5	0.81
10237	2-Hexanone	591-78-6	66	3	10	0.81
10237	Isobutyl Alcohol	78-83-1	390	97	240	0.81
10237	Methacrylonitrile	126-98-7	140	5	48	0.81
10237	Methyl Iodide	74-88-4	21	3	5	0.81
10237	Methyl Methacrylate	80-62-6	18	1	5	0.81
10237	4-Methyl-2-pentanone	108-10-1	69	3	10	0.81
10237	Methylene Chloride	75-09-2	21	2	5	0.81
10237	Pentachloroethane	76-01-7	21	1	5	0.81
10237	Propionitrile	107-12-0	120	29	97	0.81
10237	Styrene	100-42-5	18	1	5	0.81
10237	1,1,1,2-Tetrachloroethane	630-20-6	20	1	5	0.81
10237	1,1,1,2-Tetrachloroethane	79-34-5	19	1	5	0.81
10237	Tetrachloroethene	127-18-4	20	1	5	0.81
10237	Toluene	108-88-3	20	1	5	0.81
10237	1,1,1-Trichloroethane	71-55-6	19	1	5	0.81
10237	1,1,2-Trichloroethane	79-00-5	20	1	5	0.81
10237	Trichloroethene	79-01-6	25	1	5	0.81
10237	Trichlorofluoromethane	75-69-4	22	2	5	0.81

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	21	1	5	0.81
10237	Vinyl Acetate	108-05-4	51	2	10	0.8
10237	Vinyl Chloride	75-01-4	20	1	5	0.81
10237	Xylene (Total)	1330-20-7	58	1	5	0.81
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,000	4	20	1
10726	Acenaphthylene	208-96-8	2,100	4	20	1
10726	Acetophenone	98-86-2	1,900	20	40	1
10726	2-Acetylaminofluorene	53-96-3	2,000	79	200	1
10726	4-Aminobiphenyl	92-67-1	490	J 200	600	1
10726	Aniline	62-53-3	790	200	600	1
10726	Anthracene	120-12-7	2,000	4	20	1
10726	Benzo(a)anthracene	56-55-3	1,900	4	20	1
10726	Benzo(a)pyrene	50-32-8	2,000	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	2,000	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	20	1
10726	Benzyl alcohol	100-51-6	2,000	200	600	1
10726	1,1'-Biphenyl	92-52-4	1,900	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	2,000	20	40	1
10726	Butylbenzylphthalate	85-68-7	2,000	79	200	1
10726	Di-n-butylphthalate	84-74-2	2,000	79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	2,100	20	40	1
10726	4-Chloroaniline	106-47-8	620	20	40	1
10726	Chlorobenzilate	510-15-6	2,300	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,900	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	2,700	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,900	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	2,000	8	39	1
10726	2-Chlorophenol	95-57-8	2,100	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,900	20	40	1
10726	Chrysene	218-01-9	1,900	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	2,100	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	2,000	4	20	1
10726	Dibenzofuran	132-64-9	1,900	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	1,900	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	1,900	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	1,900	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,200	120	400	1
10726	2,4-Dichlorophenol	120-83-2	2,000	20	40	1
10726	2,6-Dichlorophenol	87-65-0	2,100	20	40	1
10726	Diethylphthalate	84-66-2	1,900	79	200	1
10726	Dimethoate	60-51-5	1,800	200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,100	79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,900	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600	U 600	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	2,000	20	40	1
10726	Dimethylphthalate	131-11-3	1,900	79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,100	200	600	1
10726	1,3-Dinitrobenzene	99-65-0	2,000	79	200	1
10726	2,4-Dinitrophenol	51-28-5	4,400	360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	2,000	79	200	1
10726	2,6-Dinitrotoluene	606-20-2	2,100	20	40	1
10726	1,4-Dioxane	123-91-1	1,300	120	400	1
10726	Diphenyl ether	101-84-8	2,000	20	40	1
10726	Ethyl methanesulfonate	62-50-0	1,900	79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,100	79	200	1
10726	Fluoranthene	206-44-0	2,000	4	20	1
10726	Fluorene	86-73-7	2,000	4	20	1
10726	Hexachlorobenzene	118-74-1	1,900	4	20	1
10726	Hexachlorobutadiene	87-68-3	1,900	20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	4,000	200	600	1
10726	Hexachloroethane	67-72-1	1,900	40	200	1
10726	Hexachloropropene	1888-71-7	2,000	120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,000	4	20	1
10726	Isodrin	465-73-6	2,000	20	40	1
10726	Isophorone	78-59-1	2,000	20	40	1
10726	Isosafrole	120-58-1	2,100	79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	1,500	40	200	1
10726	3-Methylcholanthrene	56-49-5	2,200	20	40	1
10726	2-Methylnaphthalene	91-57-6	1,900	4	20	1
10726	2-Methylphenol	95-48-7	2,200	20	40	1
10726	4-Methylphenol	106-44-5	1,900	20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,900	4	20	1
10726	1,4-Naphthoquinone	130-15-4	1,800	J 990	4,000	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	1,200	200	600	1
10726	2-Naphthylamine	91-59-8	510	J 200	600	1
10726	2-Nitroaniline	88-74-4	2,300	20	40	1
10726	3-Nitroaniline	99-09-2	1,500	79	200	1
10726	4-Nitroaniline	100-01-6	1,600	79	200	1
10726	Nitrobenzene	98-95-3	1,900	20	40	1
10726	5-Nitro-o-toluidine	99-55-8	1,800	200	600	1
10726	2-Nitrophenol	88-75-5	2,100	20	40	1
10726	4-Nitrophenol	100-02-7	2,200	200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	12,000	E 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	2,000	20	40	1
10726	N-Nitrosodimethylamine	62-75-9	1,900	79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	2,000	79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	2,000	20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	2,000	20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,800	79	200	1
10726	N-Nitrosomorpholine	59-89-2	2,000	79	200	1
10726	N-Nitrosopiperidine	100-75-4	2,000	20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	2,100	20	40	1
10726	Di-n-octylphthalate	117-84-0	2,400	79	200	1
10726	Pentachlorobenzene	608-93-5	1,900	20	40	1
10726	Pentachloronitrobenzene	82-68-8	2,000	79	200	1
10726	Pentachlorophenol	87-86-5	2,100	40	200	1
10726	Phenacetin	62-44-2	2,100	79	200	1
10726	Phenanthrene	85-01-8	1,800	4	20	1
10726	Phenol	108-95-2	1,900	20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	1,300	120	400	1
10726	Pronamide	23950-58-5	2,100	40	200	1
10726	Pyrene	129-00-0	1,900	4	20	1
10726	Pyridine	110-86-1	1,400	79	200	1
10726	Safrole	94-59-7	1,900	79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,900	20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,100	79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	2,000	79	200	1
10726	Thionazin	297-97-2	2,200	79	200	1
10726	o-Toluidine	95-53-4	1,300	240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	2,000	20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	2,100	20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	2,200	20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,900	79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,500	200	600	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	210	6.0	12	1
12925	Ethylene glycol	107-21-1	220	6.0	12	1
12925	Propylene glycol	57-55-6	220	6.0	12	1
12925	Triethylene glycol	112-27-6	180	6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	269	0.0389	1.18	1
06947	Beryllium	7440-41-7	7.05	0.0791	1.18	1
06949	Cadmium	7440-43-9	5.83	0.0389	1.18	1
06951	Chromium	7440-47-3	28.5	0.130	3.54	1
06952	Cobalt	7440-48-4	59.8	0.113	1.18	1
06953	Copper	7440-50-8	35.6	0.389	2.36	1
06961	Nickel	7440-02-0	73.7	0.177	2.36	1
06966	Silver	7440-22-4	6.31	0.224	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	438	0.507	23.6	1
06971	Vanadium	7440-62-2	70.8	0.107	1.18	1
06972	Zinc	7440-66-6	81.2	0.307	4.72	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0996 U	0.0996	0.472	2
06125	Arsenic	7440-38-2	1.45	0.101	0.944	2
06135	Lead	7439-92-1	9.07	0.0152	0.472	2
06141	Selenium	7782-49-2	0.251 J	0.118	0.944	2
06145	Thallium	7440-28-0	0.307	0.0354	0.236	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.215 J	0.0115	0.231	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	16.1	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 20:46	Chelsea B Stong	0.81
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 21:32	Chelsea B Stong	0.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 14:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 14:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/17/2014 22:32	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/23/2014 00:10	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 MSD Soil
SOIL 2014

LL Sample # SW 7711195
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:21	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:45	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:45	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:45	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:45	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:45	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:00	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Dupl Soil
SOIL 2014

LL Sample # SW 7711196
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1308

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	34.2	0.0389	1.18	1
06947	Beryllium	7440-41-7	0.774 J	0.0791	1.18	1
06949	Cadmium	7440-43-9	0.0991 J	0.0389	1.18	1
06951	Chromium	7440-47-3	5.54	0.130	3.54	1
06952	Cobalt	7440-48-4	2.54	0.113	1.18	1
06953	Copper	7440-50-8	4.86	0.389	2.36	1
06961	Nickel	7440-02-0	19.2	0.177	2.36	1
06966	Silver	7440-22-4	0.270 J	0.224	1.18	1
06969	Tin	7440-31-5	3.21 J	0.507	23.6	1
06971	Vanadium	7440-62-2	12.9	0.107	1.18	1
06972	Zinc	7440-66-6	21.4	0.307	4.72	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.290 J	0.0996	0.472	2
06125	Arsenic	7440-38-2	2.07	0.101	0.944	2
06135	Lead	7439-92-1	11.1	0.0152	0.472	2
06141	Selenium	7782-49-2	0.338 J	0.118	0.944	2
06145	Thallium	7440-28-0	0.207 J	0.0354	0.236	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0315 J	0.0115	0.231	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	16.1	0.50	0.50	1
00121	Moisture Duplicate	n.a.	16.2	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-8 Dupl Soil
SOIL 2014

LL Sample # SW 7711196
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:15 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1308

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:14	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:40	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:40	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:40	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:40	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:40	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 09:56	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	76	8	23	0.97
10237	Acetonitrile	75-05-8	28	U 28	110	0.97
10237	Acrolein	107-02-8	23	U 23	110	0.97
10237	Acrylonitrile	107-13-1	5	U 5	23	0.97
10237	Allyl Chloride	107-05-1	1	U 1	6	0.97
10237	Benzene	71-43-2	0.6	U 0.6	6	0.97
10237	Bromodichloromethane	75-27-4	1	U 1	6	0.97
10237	Bromoform	75-25-2	1	U 1	6	0.97
10237	Bromomethane	74-83-9	2	U 2	6	0.97
10237	2-Butanone	78-93-3	5	U 5	11	0.97
10237	Carbon Disulfide	75-15-0	1	U 1	6	0.97
10237	Carbon Tetrachloride	56-23-5	1	U 1	6	0.97
10237	2-Chloro-1,3-butadiene	126-99-8	1	U 1	6	0.97
10237	Chlorobenzene	108-90-7	1	U 1	6	0.97
10237	Chloroethane	75-00-3	2	U 2	6	0.97
10237	Chloroform	67-66-3	1	U 1	6	0.97
10237	Chloromethane	74-87-3	2	U 2	6	0.97
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U 2	6	0.97
10237	Dibromochloromethane	124-48-1	1	U 1	6	0.97
10237	1,2-Dibromoethane	106-93-4	1	U 1	6	0.97
10237	Dibromomethane	74-95-3	1	U 1	6	0.97
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U 11	56	0.97
10237	Dichlorodifluoromethane	75-71-8	2	U 2	6	0.97
10237	1,1-Dichloroethane	75-34-3	1	U 1	6	0.97
10237	1,2-Dichloroethane	107-06-2	1	U 1	6	0.97
10237	1,1-Dichloroethene	75-35-4	1	U 1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1	U 1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1	U 1	6	0.97
10237	1,2-Dichloropropane	78-87-5	1	U 1	6	0.97
10237	cis-1,3-Dichloropropene	10061-01-5	1	U 1	6	0.97
10237	trans-1,3-Dichloropropene	10061-02-6	1	U 1	6	0.97
10237	Ethyl Methacrylate	97-63-2	1	U 1	6	0.97
10237	Ethylbenzene	100-41-4	1	U 1	6	0.97
10237	2-Hexanone	591-78-6	3	U 3	11	0.97
10237	Isobutyl Alcohol	78-83-1	110	U 110	280	0.97
10237	Methacrylonitrile	126-98-7	6	U 6	56	0.97
10237	Methyl Iodide	74-88-4	3	U 3	6	0.97
10237	Methyl Methacrylate	80-62-6	1	U 1	6	0.97
10237	4-Methyl-2-pentanone	108-10-1	3	U 3	11	0.97
10237	Methylene Chloride	75-09-2	2	U 2	6	0.97
10237	Pentachloroethane	76-01-7	1	U 1	6	0.97
10237	Propionitrile	107-12-0	34	U 34	110	0.97
10237	Styrene	100-42-5	1	U 1	6	0.97
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U 1	6	0.97
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U 1	6	0.97
10237	Tetrachloroethene	127-18-4	1	U 1	6	0.97
10237	Toluene	108-88-3	1	U 1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1	U 1	6	0.97
10237	1,1,2-Trichloroethane	79-00-5	1	U 1	6	0.97
10237	Trichloroethene	79-01-6	1	U 1	6	0.97
10237	Trichlorofluoromethane	75-69-4	2	U 2	6	0.97

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.97
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.97
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.97
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.97
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	19 U	19	39	1
10726	2-Acetylaminofluorene	53-96-3	77 U	77	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	580	1
10726	Aniline	62-53-3	190 U	190	580	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	20 U	4	20	1
10726	Benzo(a)pyrene	50-32-8	23 U	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	35 U	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	19 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	12 J	4	20	1
10726	Benzyl alcohol	100-51-6	190 U	190	580	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	39	1
10726	Butylbenzylphthalate	85-68-7	77 U	77	190	1
10726	Di-n-butylphthalate	84-74-2	77 U	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	39	1
10726	4-Chloroaniline	106-47-8	19 U	19	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	39	1
10726	Chrysene	218-01-9	21 U	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	9 J	4	20	1
10726	Dibenzofuran	132-64-9	19 U	19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	39	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	39	1
10726	Diethylphthalate	84-66-2	77 U	77	190	1
10726	Dimethoate	60-51-5	190 U	190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77 U	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580 U	580	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	37	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	17	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	16	J 4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	32	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg		
06946	Barium	7440-39-3	85.1	0.0379	1.15	1
06947	Beryllium	7440-41-7	0.676	J 0.0770	1.15	1
06949	Cadmium	7440-43-9	0.118	J 0.0379	1.15	1
06951	Chromium	7440-47-3	5.47	0.126	3.45	1
06952	Cobalt	7440-48-4	4.87	0.110	1.15	1
06953	Copper	7440-50-8	8.56	0.379	2.30	1
06961	Nickel	7440-02-0	14.0	0.172	2.30	1
06966	Silver	7440-22-4	0.218	U 0.218	1.15	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1309

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.75 J	0.494	23.0	1
06971	Vanadium	7440-62-2	13.0	0.105	1.15	1
06972	Zinc	7440-66-6	16.3	0.299	4.60	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0971 U	0.0971	0.460	2
06125	Arsenic	7440-38-2	2.11	0.0982	0.920	2
06135	Lead	7439-92-1	17.9	0.0148	0.460	2
06141	Selenium	7782-49-2	0.406 J	0.115	0.920	2
06145	Thallium	7440-28-0	0.104 J	0.0345	0.230	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0404 J	0.0113	0.227	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 21:54	Chelsea B Stong	0.97
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 14:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 14:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 14:30	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 00:58	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 21:57	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-9 Soil
SOIL 2014

LL Sample # SW 7711197
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1309

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:29	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:49	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:49	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:49	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:49	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:49	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:02	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	57	7	21	0.86
10237	Acetonitrile	75-05-8	26	U	100	0.86
10237	Acrolein	107-02-8	21	U	21	0.86
10237	Acrylonitrile	107-13-1	4	U	4	0.86
10237	Allyl Chloride	107-05-1	1	U	1	0.86
10237	Benzene	71-43-2	0.5	U	0.5	0.86
10237	Bromodichloromethane	75-27-4	1	U	1	0.86
10237	Bromoform	75-25-2	1	U	1	0.86
10237	Bromomethane	74-83-9	2	U	2	0.86
10237	2-Butanone	78-93-3	4	U	4	0.86
10237	Carbon Disulfide	75-15-0	1	U	1	0.86
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.86
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.86
10237	Chlorobenzene	108-90-7	1	U	1	0.86
10237	Chloroethane	75-00-3	2	U	2	0.86
10237	Chloroform	67-66-3	1	U	1	0.86
10237	Chloromethane	74-87-3	2	U	2	0.86
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.86
10237	Dibromochloromethane	124-48-1	1	U	1	0.86
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.86
10237	Dibromomethane	74-95-3	1	U	1	0.86
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.86
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.86
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.86
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.86
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.86
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.86
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.86
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.86
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.86
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.86
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.86
10237	Ethylbenzene	100-41-4	1	U	1	0.86
10237	2-Hexanone	591-78-6	3	U	3	0.86
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.86
10237	Methacrylonitrile	126-98-7	5	U	5	0.86
10237	Methyl Iodide	74-88-4	3	U	3	0.86
10237	Methyl Methacrylate	80-62-6	1	U	1	0.86
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.86
10237	Methylene Chloride	75-09-2	2	U	2	0.86
10237	Pentachloroethane	76-01-7	1	U	1	0.86
10237	Propionitrile	107-12-0	31	U	31	0.86
10237	Styrene	100-42-5	1	U	1	0.86
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.86
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.86
10237	Tetrachloroethene	127-18-4	1	U	1	0.86
10237	Toluene	108-88-3	1	U	1	0.86
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.86
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.86
10237	Trichloroethene	79-01-6	1	U	1	0.86
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.86

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.86
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.86
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.86
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.86
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	240	4	21	1
10726	Acenaphthylene	208-96-8	23	4	21	1
10726	Acetophenone	98-86-2	20 U	20	41	1
10726	2-Acetylaminofluorene	53-96-3	81 U	81	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	610	1
10726	Aniline	62-53-3	200 U	200	610	1
10726	Anthracene	120-12-7	570	4	21	1
10726	Benzo(a)anthracene	56-55-3	2,500	4	21	1
10726	Benzo(a)pyrene	50-32-8	2,300	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	3,000	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	1,500	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	1,400	4	21	1
10726	Benzyl alcohol	100-51-6	200 U	200	610	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	41	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	41	1
10726	Butylbenzylphthalate	85-68-7	81 U	81	200	1
10726	Di-n-butylphthalate	84-74-2	81 U	81	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	41	1
10726	4-Chloroaniline	106-47-8	20 U	20	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	41	1
10726	Chrysene	218-01-9	2,400	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	200	1
10726	Dibenz(a,h)anthracene	53-70-3	470	4	21	1
10726	Dibenzofuran	132-64-9	85	20	41	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	41	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	41	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	41	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	41	1
10726	Diethylphthalate	84-66-2	81 U	81	200	1
10726	Dimethoate	60-51-5	200 U	200	610	1
10726	p-Dimethylaminoazobenzene	60-11-7	81 U	81	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	610 U	610	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	41	1
10726	Dimethylphthalate	131-11-3	81	U 81	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	610	1
10726	1,3-Dinitrobenzene	99-65-0	81	U 81	200	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	81	U 81	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	20	U 20	41	1
10726	Ethyl methanesulfonate	62-50-0	81	U 81	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	81	U 81	210	1
10726	Fluoranthene	206-44-0	4,400	4	21	1
10726	Fluorene	86-73-7	260	4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	610	1
10726	Hexachloroethane	67-72-1	41	U 41	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,500	4	21	1
10726	Isodrin	465-73-6	20	U 20	41	1
10726	Isophorone	78-59-1	20	U 20	41	1
10726	Isosafrole	120-58-1	81	U 81	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,100	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	41	U 41	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	41	1
10726	2-Methylnaphthalene	91-57-6	23	4	21	1
10726	2-Methylphenol	95-48-7	20	U 20	41	1
10726	4-Methylphenol	106-44-5	20	U 20	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	43	4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	610	1
10726	2-Naphthylamine	91-59-8	200	U 200	610	1
10726	2-Nitroaniline	88-74-4	20	U 20	41	1
10726	3-Nitroaniline	99-09-2	81	U 81	200	1
10726	4-Nitroaniline	100-01-6	81	U 81	200	1
10726	Nitrobenzene	98-95-3	20	U 20	41	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	610	1
10726	2-Nitrophenol	88-75-5	20	U 20	41	1
10726	4-Nitrophenol	100-02-7	200	U 200	610	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	41	1
10726	N-Nitrosodimethylamine	62-75-9	81	U 81	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	81	U 81	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	41	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	81	U 81	200	1
10726	N-Nitrosomorpholine	59-89-2	81	U 81	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	41	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	41	1
10726	Di-n-octylphthalate	117-84-0	81	U 81	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	41	1
10726	Pentachloronitrobenzene	82-68-8	81	U 81	200	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	81	U 81	200	1
10726	Phenanthrene	85-01-8	2,600	4	21	1
10726	Phenol	108-95-2	20	U 20	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	200	1
10726	Pyrene	129-00-0	3,800	4	21	1
10726	Pyridine	110-86-1	81	U 81	200	1
10726	Safrole	94-59-7	81	U 81	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	81	U 81	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	81	U 81	200	1
10726	Thionazin	297-97-2	81	U 81	200	1
10726	o-Toluidine	95-53-4	240	U 240	810	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	81	U 81	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	610	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.1	U 6.1	12	1
12925	Ethylene glycol	107-21-1	6.1	U 6.1	12	1
12925	Propylene glycol	57-55-6	6.1	U 6.1	12	1
12925	Triethylene glycol	112-27-6	6.1	U 6.1	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	30.1	0.0402	1.22	1
06947	Beryllium	7440-41-7	0.745	J 0.0816	1.22	1
06949	Cadmium	7440-43-9	0.156	J 0.0402	1.22	1
06951	Chromium	7440-47-3	12.2	0.134	3.65	1
06952	Cobalt	7440-48-4	1.76	0.117	1.22	1
06953	Copper	7440-50-8	8.69	0.402	2.44	1
06961	Nickel	7440-02-0	41.3	0.183	2.44	1
06966	Silver	7440-22-4	0.231	U 0.231	1.22	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1310

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.99 J	0.524	24.4	1
06971	Vanadium	7440-62-2	20.7	0.111	1.22	1
06972	Zinc	7440-66-6	15.3	0.317	4.87	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.191 J	0.103	0.487	2
06125	Arsenic	7440-38-2	4.90	0.104	0.974	2
06135	Lead	7439-92-1	20.8	0.0156	0.487	2
06141	Selenium	7782-49-2	0.528 J	0.122	0.974	2
06145	Thallium	7440-28-0	0.234 J	0.0365	0.244	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.152 J	0.0119	0.237	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	17.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/18/2014 01:41	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 14:57	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 14:57	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 14:57	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 01:22	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 22:12	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU13-SS-10 Soil
SOIL 2014

LL Sample # SW 7711198
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 14:57 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1310

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:32	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:52	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:52	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:52	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:52	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:52	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:04	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1401

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	16	J	8	22	0.95
10237	Acetonitrile	75-05-8	27	U	27	110	0.95
10237	Acrolein	107-02-8	22	U	22	110	0.95
10237	Acrylonitrile	107-13-1	4	U	4	22	0.95
10237	Allyl Chloride	107-05-1	1	U	1	5	0.95
10237	Benzene	71-43-2	0.5	U	0.5	5	0.95
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.95
10237	Bromoform	75-25-2	1	U	1	5	0.95
10237	Bromomethane	74-83-9	2	U	2	5	0.95
10237	2-Butanone	78-93-3	4	U	4	11	0.95
10237	Carbon Disulfide	75-15-0	1	U	1	5	0.95
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.95
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.95
10237	Chlorobenzene	108-90-7	1	U	1	5	0.95
10237	Chloroethane	75-00-3	2	U	2	5	0.95
10237	Chloroform	67-66-3	1	U	1	5	0.95
10237	Chloromethane	74-87-3	2	U	2	5	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.95
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.95
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.95
10237	Dibromomethane	74-95-3	1	U	1	5	0.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	54	0.95
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.95
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.95
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.95
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.95
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.95
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.95
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.95
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.95
10237	Ethylbenzene	100-41-4	1	U	1	5	0.95
10237	2-Hexanone	591-78-6	3	U	3	11	0.95
10237	Isobutyl Alcohol	78-83-1	110	U	110	270	0.95
10237	Methacrylonitrile	126-98-7	5	U	5	54	0.95
10237	Methyl Iodide	74-88-4	3	U	3	5	0.95
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.95
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	11	0.95
10237	Methylene Chloride	75-09-2	2	U	2	5	0.95
10237	Pentachloroethane	76-01-7	1	U	1	5	0.95
10237	Propionitrile	107-12-0	33	U	33	110	0.95
10237	Styrene	100-42-5	1	U	1	5	0.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.95
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	5	0.95
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.95
10237	Toluene	108-88-3	1	U	1	5	0.95
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.95
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.95
10237	Trichloroethene	79-01-6	1	U	1	5	0.95
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1401

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.95
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.95
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.95
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.95
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	19 U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76 U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190 U	190	570	1
10726	Aniline	62-53-3	190 U	190	570	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	10 J	4	19	1
10726	Benzo(a)pyrene	50-32-8	10 J	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	12 J	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	8 J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	7 J	4	19	1
10726	Benzyl alcohol	100-51-6	190 U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19 U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19 U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76 U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76 U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19 U	19	38	1
10726	4-Chloroaniline	106-47-8	19 U	19	38	1
10726	Chlorobenzilate	510-15-6	38 U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19 U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19 U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19 U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	38	1
10726	2-Chlorophenol	95-57-8	19 U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19 U	19	38	1
10726	Chrysene	218-01-9	9 J	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38 U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	19	1
10726	Dibenzofuran	132-64-9	19 U	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19 U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19 U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19 U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19 U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19 U	19	38	1
10726	Diethylphthalate	84-66-2	76 U	76	190	1
10726	Dimethoate	60-51-5	190 U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76 U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19 U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570 U	570	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1401

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	11	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	8	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1401

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	5	J 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	11	J 4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	74.6	0.0375	1.14	1
06947	Beryllium	7440-41-7	1.27	0.0761	1.14	1
06949	Cadmium	7440-43-9	0.108	J 0.0375	1.14	1
06951	Chromium	7440-47-3	2.45	J 0.125	3.41	1
06952	Cobalt	7440-48-4	2.66	0.109	1.14	1
06953	Copper	7440-50-8	2.77	0.375	2.27	1
06961	Nickel	7440-02-0	18.4	0.170	2.27	1
06966	Silver	7440-22-4	0.216	U 0.216	1.14	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1401

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.82 J	0.489	22.7	1
06971	Vanadium	7440-62-2	12.1	0.103	1.14	1
06972	Zinc	7440-66-6	26.2	0.295	4.55	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0959 U	0.0959	0.455	2
06125	Arsenic	7440-38-2	2.59	0.0970	0.909	2
06135	Lead	7439-92-1	9.07	0.0146	0.455	2
06141	Selenium	7782-49-2	0.474 J	0.114	0.909	2
06145	Thallium	7440-28-0	0.444	0.0341	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0112 U	0.0112	0.224	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	12.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 22:17	Chelsea B Stong	0.95
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 10:02	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 10:02	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 10:02	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 01:47	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 22:27	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-1 Soil
SOIL 2014

LL Sample # SW 7711199
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:02 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1401

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:43	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 08:59	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 08:59	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 08:59	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 08:59	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 08:59	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:06	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1402

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	15	J	8	1.04
10237	Acetonitrile	75-05-8	29	U	29	1.04
10237	Acrolein	107-02-8	23	U	23	1.04
10237	Acrylonitrile	107-13-1	5	U	5	1.04
10237	Allyl Chloride	107-05-1	1	U	1	1.04
10237	Benzene	71-43-2	0.6	U	0.6	1.04
10237	Bromodichloromethane	75-27-4	1	U	1	1.04
10237	Bromoform	75-25-2	1	U	1	1.04
10237	Bromomethane	74-83-9	2	U	2	1.04
10237	2-Butanone	78-93-3	5	U	5	1.04
10237	Carbon Disulfide	75-15-0	2	J	1	1.04
10237	Carbon Tetrachloride	56-23-5	1	U	1	1.04
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1.04
10237	Chlorobenzene	108-90-7	1	U	1	1.04
10237	Chloroethane	75-00-3	2	U	2	1.04
10237	Chloroform	67-66-3	1	U	1	1.04
10237	Chloromethane	74-87-3	2	U	2	1.04
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	1.04
10237	Dibromochloromethane	124-48-1	1	U	1	1.04
10237	1,2-Dibromoethane	106-93-4	1	U	1	1.04
10237	Dibromomethane	74-95-3	1	U	1	1.04
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	1.04
10237	Dichlorodifluoromethane	75-71-8	2	U	2	1.04
10237	1,1-Dichloroethane	75-34-3	1	U	1	1.04
10237	1,2-Dichloroethane	107-06-2	1	U	1	1.04
10237	1,1-Dichloroethene	75-35-4	1	U	1	1.04
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	1.04
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	1.04
10237	1,2-Dichloropropane	78-87-5	1	U	1	1.04
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	1.04
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	1.04
10237	Ethyl Methacrylate	97-63-2	1	U	1	1.04
10237	Ethylbenzene	100-41-4	1	U	1	1.04
10237	2-Hexanone	591-78-6	3	U	3	1.04
10237	Isobutyl Alcohol	78-83-1	120	U	120	1.04
10237	Methacrylonitrile	126-98-7	6	U	6	1.04
10237	Methyl Iodide	74-88-4	3	U	3	1.04
10237	Methyl Methacrylate	80-62-6	1	U	1	1.04
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	1.04
10237	Methylene Chloride	75-09-2	2	U	2	1.04
10237	Pentachloroethane	76-01-7	1	U	1	1.04
10237	Propionitrile	107-12-0	35	U	35	1.04
10237	Styrene	100-42-5	1	U	1	1.04
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	1.04
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	1.04
10237	Tetrachloroethene	127-18-4	1	U	1	1.04
10237	Toluene	108-88-3	1	U	1	1.04
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	1.04
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	1.04
10237	Trichloroethene	79-01-6	1	U	1	1.04
10237	Trichlorofluoromethane	75-69-4	2	U	2	1.04

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1402

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	1.04
10237	Vinyl Acetate	108-05-4	2 U	2	12	1.04
10237	Vinyl Chloride	75-01-4	1 U	1	6	1.04
10237	Xylene (Total)	1330-20-7	1 U	1	6	1.04
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	19	1
10726	Acenaphthylene	208-96-8	4 U	4	19	1
10726	Acetophenone	98-86-2	18 U	18	37	1
10726	2-Acetylaminofluorene	53-96-3	74 U	74	180	1
10726	4-Aminobiphenyl	92-67-1	180 U	180	550	1
10726	Aniline	62-53-3	180 U	180	550	1
10726	Anthracene	120-12-7	4 U	4	19	1
10726	Benzo(a)anthracene	56-55-3	4 J	4	19	1
10726	Benzo(a)pyrene	50-32-8	6 J	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	8 J	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	7 J	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	5 J	4	19	1
10726	Benzyl alcohol	100-51-6	180 U	180	550	1
10726	1,1'-Biphenyl	92-52-4	18 U	18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	18 U	18	37	1
10726	Butylbenzylphthalate	85-68-7	74 U	74	180	1
10726	Di-n-butylphthalate	84-74-2	74 U	74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	18 U	18	37	1
10726	4-Chloroaniline	106-47-8	18 U	18	37	1
10726	Chlorobenzilate	510-15-6	37 U	37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	18 U	18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	18 U	18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	18 U	18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	37	1
10726	2-Chlorophenol	95-57-8	18 U	18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	18 U	18	37	1
10726	Chrysene	218-01-9	5 J	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37 U	37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	19	1
10726	Dibenzofuran	132-64-9	18 U	18	37	1
10726	1,2-Dichlorobenzene	95-50-1	18 U	18	37	1
10726	1,3-Dichlorobenzene	541-73-1	18 U	18	37	1
10726	1,4-Dichlorobenzene	106-46-7	18 U	18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110 U	110	370	1
10726	2,4-Dichlorophenol	120-83-2	18 U	18	37	1
10726	2,6-Dichlorophenol	87-65-0	18 U	18	37	1
10726	Diethylphthalate	84-66-2	74 U	74	180	1
10726	Dimethoate	60-51-5	180 U	180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	74 U	74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	18 U	18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	550 U	550	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1402

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	18	U 18	37	1
10726	Dimethylphthalate	131-11-3	74	U 74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	180	U 180	550	1
10726	1,3-Dinitrobenzene	99-65-0	74	U 74	180	1
10726	2,4-Dinitrophenol	51-28-5	330	U 330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	74	U 74	180	1
10726	2,6-Dinitrotoluene	606-20-2	18	U 18	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	18	U 18	37	1
10726	Ethyl methanesulfonate	62-50-0	74	U 74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	74	U 74	190	1
10726	Fluoranthene	206-44-0	4	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	18	U 18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	180	U 180	550	1
10726	Hexachloroethane	67-72-1	37	U 37	180	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	J 4	19	1
10726	Isodrin	465-73-6	18	U 18	37	1
10726	Isophorone	78-59-1	18	U 18	37	1
10726	Isosafrole	120-58-1	74	U 74	180	1
10726	Methapyrilene	91-80-5	1,800	U 1,800	5,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	180	1
10726	3-Methylcholanthrene	56-49-5	18	U 18	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	18	U 18	37	1
10726	4-Methylphenol	106-44-5	18	U 18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	920	U 920	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	180	U 180	550	1
10726	2-Naphthylamine	91-59-8	180	U 180	550	1
10726	2-Nitroaniline	88-74-4	18	U 18	37	1
10726	3-Nitroaniline	99-09-2	74	U 74	180	1
10726	4-Nitroaniline	100-01-6	74	U 74	180	1
10726	Nitrobenzene	98-95-3	18	U 18	37	1
10726	5-Nitro-o-toluidine	99-55-8	180	U 180	550	1
10726	2-Nitrophenol	88-75-5	18	U 18	37	1
10726	4-Nitrophenol	100-02-7	180	U 180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	18	U 18	37	1
10726	N-Nitrosodimethylamine	62-75-9	74	U 74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1402

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
			ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	74	U 74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	18	U 18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	18	U 18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	74	U 74	180	1
10726	N-Nitrosomorpholine	59-89-2	74	U 74	180	1
10726	N-Nitrosopiperidine	100-75-4	18	U 18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	18	U 18	37	1
10726	Di-n-octylphthalate	117-84-0	74	U 74	180	1
10726	Pentachlorobenzene	608-93-5	18	U 18	37	1
10726	Pentachloronitrobenzene	82-68-8	74	U 74	180	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	74	U 74	180	1
10726	Phenanthrene	85-01-8	4	U 4	19	1
10726	Phenol	108-95-2	18	U 18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	180	1
10726	Pyrene	129-00-0	4	U 4	19	1
10726	Pyridine	110-86-1	74	U 74	180	1
10726	Safrole	94-59-7	74	U 74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	18	U 18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	74	U 74	180	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	74	U 74	180	1
10726	Thionazin	297-97-2	74	U 74	180	1
10726	o-Toluidine	95-53-4	220	U 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	18	U 18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	18	U 18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	18	U 18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	74	U 74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	180	U 180	550	1
GC Miscellaneous SW-846 8015C Feb 2007						
			mg/kg	mg/kg	mg/kg	
			Rev 3			
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1
Metals SW-846 6010C						
			mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	85.3	0.0364	1.10	1
06947	Beryllium	7440-41-7	1.44	0.0740	1.10	1
06949	Cadmium	7440-43-9	0.0872	J 0.0364	1.10	1
06951	Chromium	7440-47-3	2.56	J 0.121	3.31	1
06952	Cobalt	7440-48-4	2.43	0.106	1.10	1
06953	Copper	7440-50-8	1.72	J 0.364	2.21	1
06961	Nickel	7440-02-0	39.1	0.166	2.21	1
06966	Silver	7440-22-4	0.210	U 0.210	1.10	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1402

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.60 J	0.475	22.1	1
06971	Vanadium	7440-62-2	12.0	0.100	1.10	1
06972	Zinc	7440-66-6	24.4	0.287	4.42	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0932 U	0.0932	0.442	2
06125	Arsenic	7440-38-2	1.57	0.0943	0.883	2
06135	Lead	7439-92-1	5.72	0.0142	0.442	2
06141	Selenium	7782-49-2	0.366 J	0.110	0.883	2
06145	Thallium	7440-28-0	0.471	0.0331	0.221	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0107 U	0.0107	0.214	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	10.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 22:40	Chelsea B Stong	1.04
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 10:18	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 10:18	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 10:18	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 02:11	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 22:42	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-2 Soil
SOIL 2014

LL Sample # SW 7711200
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:18 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1402

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:47	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:01	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:01	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:01	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:01	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:01	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:08	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1403

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	8	U	8	23	0.95
10237	Acetonitrile	75-05-8	29	U	29	110	0.95
10237	Acrolein	107-02-8	23	U	23	110	0.95
10237	Acrylonitrile	107-13-1	5	U	5	23	0.95
10237	Allyl Chloride	107-05-1	1	U	1	6	0.95
10237	Benzene	71-43-2	0.6	U	0.6	6	0.95
10237	Bromodichloromethane	75-27-4	1	U	1	6	0.95
10237	Bromoform	75-25-2	1	U	1	6	0.95
10237	Bromomethane	74-83-9	2	U	2	6	0.95
10237	2-Butanone	78-93-3	5	U	5	11	0.95
10237	Carbon Disulfide	75-15-0	1	U	1	6	0.95
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	0.95
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	0.95
10237	Chlorobenzene	108-90-7	1	U	1	6	0.95
10237	Chloroethane	75-00-3	2	U	2	6	0.95
10237	Chloroform	67-66-3	1	U	1	6	0.95
10237	Chloromethane	74-87-3	2	U	2	6	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6	0.95
10237	Dibromochloromethane	124-48-1	1	U	1	6	0.95
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	0.95
10237	Dibromomethane	74-95-3	1	U	1	6	0.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	57	0.95
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6	0.95
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	0.95
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	0.95
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	0.95
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	0.95
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	0.95
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	0.95
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	0.95
10237	Ethylbenzene	100-41-4	1	U	1	6	0.95
10237	2-Hexanone	591-78-6	3	U	3	11	0.95
10237	Isobutyl Alcohol	78-83-1	110	U	110	290	0.95
10237	Methacrylonitrile	126-98-7	6	U	6	57	0.95
10237	Methyl Iodide	74-88-4	3	U	3	6	0.95
10237	Methyl Methacrylate	80-62-6	1	U	1	6	0.95
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	11	0.95
10237	Methylene Chloride	75-09-2	2	U	2	6	0.95
10237	Pentachloroethane	76-01-7	1	U	1	6	0.95
10237	Propionitrile	107-12-0	34	U	34	110	0.95
10237	Styrene	100-42-5	1	U	1	6	0.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	0.95
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	6	0.95
10237	Tetrachloroethene	127-18-4	1	U	1	6	0.95
10237	Toluene	108-88-3	1	U	1	6	0.95
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	0.95
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	0.95
10237	Trichloroethene	79-01-6	1	U	1	6	0.95
10237	Trichlorofluoromethane	75-69-4	2	U	2	6	0.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1403

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.95
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.95
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.95
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.95
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	40	1
10726	2-Acetylaminofluorene	53-96-3	80 U	80	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	600	1
10726	Aniline	62-53-3	200 U	200	600	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	8 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	11 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	15 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	8 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	5 J	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	600	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	40	1
10726	Butylbenzylphthalate	85-68-7	80 U	80	200	1
10726	Di-n-butylphthalate	84-74-2	80 U	80	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	40	1
10726	4-Chloroaniline	106-47-8	20 U	20	40	1
10726	Chlorobenzilate	510-15-6	40 U	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	40	1
10726	Chrysene	218-01-9	10 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40 U	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	400	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	40	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	40	1
10726	Diethylphthalate	84-66-2	80 U	80	200	1
10726	Dimethoate	60-51-5	200 U	200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	80 U	80	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600 U	600	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1403

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	80	U 80	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	80	U 80	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	80	U 80	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	80	U 80	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	80	U 80	200	1
10726	Fluoranthene	206-44-0	12	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	7	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	80	U 80	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,000	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	80	U 80	200	1
10726	4-Nitroaniline	100-01-6	80	U 80	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	80	U 80	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1403

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	80	U 80	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	80	U 80	200	1
10726	N-Nitrosomorpholine	59-89-2	80	U 80	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	80	U 80	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	80	U 80	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	80	U 80	200	1
10726	Phenanthrene	85-01-8	8	J 4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	12	J 4	20	1
10726	Pyridine	110-86-1	80	U 80	200	1
10726	Safrole	94-59-7	80	U 80	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	80	U 80	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	80	U 80	200	1
10726	Thionazin	297-97-2	80	U 80	200	1
10726	o-Toluidine	95-53-4	240	U 240	800	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	80	U 80	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	44.6	0.0391	1.18	1
06947	Beryllium	7440-41-7	0.881	J 0.0793	1.18	1
06949	Cadmium	7440-43-9	0.0817	J 0.0391	1.18	1
06951	Chromium	7440-47-3	3.07	J 0.130	3.55	1
06952	Cobalt	7440-48-4	2.24	0.114	1.18	1
06953	Copper	7440-50-8	3.06	0.391	2.37	1
06961	Nickel	7440-02-0	17.4	0.178	2.37	1
06966	Silver	7440-22-4	0.225	U 0.225	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1403

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.94 J	0.509	23.7	1
06971	Vanadium	7440-62-2	12.3	0.108	1.18	1
06972	Zinc	7440-66-6	22.1	0.308	4.74	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.100 J	0.0999	0.474	2
06125	Arsenic	7440-38-2	1.61	0.101	0.947	2
06135	Lead	7439-92-1	9.94	0.0152	0.474	2
06141	Selenium	7782-49-2	0.256 J	0.118	0.947	2
06145	Thallium	7440-28-0	0.301	0.0355	0.237	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0124 J	0.0116	0.232	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	17.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 23:03	Chelsea B Stong	0.95
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 10:39	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 10:39	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 10:39	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 02:35	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/22/2014 22:56	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143530007A	12/19/2014 21:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-3 Soil
SOIL 2014

LL Sample # SW 7711201
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:39 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1403

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:51	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:03	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:03	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:03	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:03	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:03	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:10	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1404

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	17	J	8	0.87
10237	Acetonitrile	75-05-8	28	U	28	0.87
10237	Acrolein	107-02-8	23	U	23	0.87
10237	Acrylonitrile	107-13-1	5	U	5	0.87
10237	Allyl Chloride	107-05-1	1	U	1	0.87
10237	Benzene	71-43-2	0.6	U	0.6	0.87
10237	Bromodichloromethane	75-27-4	1	U	1	0.87
10237	Bromoform	75-25-2	1	U	1	0.87
10237	Bromomethane	74-83-9	2	U	2	0.87
10237	2-Butanone	78-93-3	5	U	5	0.87
10237	Carbon Disulfide	75-15-0	1	U	1	0.87
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.87
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.87
10237	Chlorobenzene	108-90-7	1	U	1	0.87
10237	Chloroethane	75-00-3	2	U	2	0.87
10237	Chloroform	67-66-3	1	U	1	0.87
10237	Chloromethane	74-87-3	2	U	2	0.87
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.87
10237	Dibromochloromethane	124-48-1	1	U	1	0.87
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.87
10237	Dibromomethane	74-95-3	1	U	1	0.87
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	0.87
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.87
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.87
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.87
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.87
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.87
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.87
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.87
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.87
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.87
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.87
10237	Ethylbenzene	100-41-4	1	U	1	0.87
10237	2-Hexanone	591-78-6	3	U	3	0.87
10237	Isobutyl Alcohol	78-83-1	110	U	110	0.87
10237	Methacrylonitrile	126-98-7	6	U	6	0.87
10237	Methyl Iodide	74-88-4	3	U	3	0.87
10237	Methyl Methacrylate	80-62-6	1	U	1	0.87
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.87
10237	Methylene Chloride	75-09-2	2	U	2	0.87
10237	Pentachloroethane	76-01-7	1	U	1	0.87
10237	Propionitrile	107-12-0	34	U	34	0.87
10237	Styrene	100-42-5	1	U	1	0.87
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.87
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.87
10237	Tetrachloroethene	127-18-4	1	U	1	0.87
10237	Toluene	108-88-3	1	U	1	0.87
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.87
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.87
10237	Trichloroethene	79-01-6	1	U	1	0.87
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.87

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1404

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.87
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.87
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.87
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.87
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	8 J	4	22	1
10726	Acenaphthylene	208-96-8	4 U	4	22	1
10726	Acetophenone	98-86-2	22 U	22	43	1
10726	2-Acetylaminofluorene	53-96-3	86 U	86	220	1
10726	4-Aminobiphenyl	92-67-1	220 U	220	650	1
10726	Aniline	62-53-3	220 U	220	650	1
10726	Anthracene	120-12-7	4 U	4	22	1
10726	Benzo(a)anthracene	56-55-3	9 J	4	22	1
10726	Benzo(a)pyrene	50-32-8	12 J	4	22	1
10726	Benzo(b)fluoranthene	205-99-2	14 J	4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	10 J	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	8 J	4	22	1
10726	Benzyl alcohol	100-51-6	220 U	220	650	1
10726	1,1'-Biphenyl	92-52-4	22 U	22	43	1
10726	4-Bromophenyl-phenylether	101-55-3	22 U	22	43	1
10726	Butylbenzylphthalate	85-68-7	86 U	86	220	1
10726	Di-n-butylphthalate	84-74-2	86 U	86	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22 U	22	43	1
10726	4-Chloroaniline	106-47-8	22 U	22	43	1
10726	Chlorobenzilate	510-15-6	43 U	43	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22 U	22	43	1
10726	bis(2-Chloroethyl)ether	111-44-4	22 U	22	43	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22 U	22	43	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	43	1
10726	2-Chlorophenol	95-57-8	22 U	22	43	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22 U	22	43	1
10726	Chrysene	218-01-9	8 J	4	22	1
10726	Diallate TRANS/CIS	2303-16-4	43 U	43	220	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	22	1
10726	Dibenzofuran	132-64-9	22 U	22	43	1
10726	1,2-Dichlorobenzene	95-50-1	22 U	22	43	1
10726	1,3-Dichlorobenzene	541-73-1	22 U	22	43	1
10726	1,4-Dichlorobenzene	106-46-7	22 U	22	43	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	430	1
10726	2,4-Dichlorophenol	120-83-2	22 U	22	43	1
10726	2,6-Dichlorophenol	87-65-0	22 U	22	43	1
10726	Diethylphthalate	84-66-2	86 U	86	220	1
10726	Dimethoate	60-51-5	220 U	220	650	1
10726	p-Dimethylaminoazobenzene	60-11-7	86 U	86	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22 U	22	43	1
10726	3,3'-Dimethylbenzidine	119-93-7	650 U	650	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1404

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	43	1
10726	Dimethylphthalate	131-11-3	86	U 86	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	650	1
10726	1,3-Dinitrobenzene	99-65-0	86	U 86	220	1
10726	2,4-Dinitrophenol	51-28-5	390	U 390	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	86	U 86	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	43	1
10726	1,4-Dioxane	123-91-1	130	U 130	430	1
10726	Diphenyl ether	101-84-8	33	J 22	43	1
10726	Ethyl methanesulfonate	62-50-0	86	U 86	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	86	U 86	220	1
10726	Fluoranthene	206-44-0	15	J 4	22	1
10726	Fluorene	86-73-7	7	J 4	22	1
10726	Hexachlorobenzene	118-74-1	4	U 4	22	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	43	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	650	1
10726	Hexachloroethane	67-72-1	43	U 43	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	430	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	9	J 4	22	1
10726	Isodrin	465-73-6	22	U 22	43	1
10726	Isophorone	78-59-1	22	U 22	43	1
10726	Isosafrole	120-58-1	86	U 86	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	43	U 43	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	43	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	22	1
10726	2-Methylphenol	95-48-7	22	U 22	43	1
10726	4-Methylphenol	106-44-5	22	U 22	43	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	22	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,300	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	220	U 220	650	1
10726	2-Naphthylamine	91-59-8	220	U 220	650	1
10726	2-Nitroaniline	88-74-4	22	U 22	43	1
10726	3-Nitroaniline	99-09-2	86	U 86	220	1
10726	4-Nitroaniline	100-01-6	86	U 86	220	1
10726	Nitrobenzene	98-95-3	22	U 22	43	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	650	1
10726	2-Nitrophenol	88-75-5	22	U 22	43	1
10726	4-Nitrophenol	100-02-7	220	U 220	650	1
10726	4-Nitroquinoline-1-oxide	56-57-5	430	U 430	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	43	1
10726	N-Nitrosodimethylamine	62-75-9	86	U 86	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1404

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	86	U 86	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	43	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	43	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	86	U 86	220	1
10726	N-Nitrosomorpholine	59-89-2	86	U 86	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	43	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	43	1
10726	Di-n-octylphthalate	117-84-0	86	U 86	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	43	1
10726	Pentachloronitrobenzene	82-68-8	86	U 86	220	1
10726	Pentachlorophenol	87-86-5	43	U 43	220	1
10726	Phenacetin	62-44-2	86	U 86	220	1
10726	Phenanthrene	85-01-8	12	J 4	22	1
10726	Phenol	108-95-2	22	U 22	43	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	43,000	1
10726	2-Picoline	109-06-8	130	U 130	430	1
10726	Pronamide	23950-58-5	43	U 43	220	1
10726	Pyrene	129-00-0	13	J 4	22	1
10726	Pyridine	110-86-1	86	U 86	220	1
10726	Safrole	94-59-7	86	U 86	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	43	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	86	U 86	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	86	U 86	220	1
10726	Thionazin	297-97-2	86	U 86	220	1
10726	o-Toluidine	95-53-4	260	U 260	860	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	43	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	43	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	43	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	86	U 86	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	650	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.5	U 6.5	13	1
12925	Ethylene glycol	107-21-1	6.5	U 6.5	13	1
12925	Propylene glycol	57-55-6	6.5	U 6.5	13	1
12925	Triethylene glycol	112-27-6	6.5	U 6.5	13	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	45.2	0.0419	1.27	1
06947	Beryllium	7440-41-7	0.926	J 0.0851	1.27	1
06949	Cadmium	7440-43-9	0.0966	J 0.0419	1.27	1
06951	Chromium	7440-47-3	3.28	J 0.140	3.81	1
06952	Cobalt	7440-48-4	2.66	0.122	1.27	1
06953	Copper	7440-50-8	3.54	0.419	2.54	1
06961	Nickel	7440-02-0	6.13	0.191	2.54	1
06966	Silver	7440-22-4	0.241	U 0.241	1.27	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1404

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.24 J	0.546	25.4	1
06971	Vanadium	7440-62-2	13.7	0.116	1.27	1
06972	Zinc	7440-66-6	19.3	0.330	5.08	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.107 U	0.107	0.508	2
06125	Arsenic	7440-38-2	1.72	0.109	1.02	2
06135	Lead	7439-92-1	8.82	0.0163	0.508	2
06141	Selenium	7782-49-2	0.376 J	0.127	1.02	2
06145	Thallium	7440-28-0	0.404	0.0381	0.254	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0128 U	0.0128	0.256	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	23.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 23:25	Chelsea B Stong	0.87
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 10:59	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 10:59	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 10:59	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 03:00	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 01:24	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-4 Soil
SOIL 2014

LL Sample # SW 7711202
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 10:59 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1404

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:55	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:06	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:06	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:06	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:06	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:06	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:12	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1405

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	12	J	7	0.86
10237	Acetonitrile	75-05-8	27	U	27	0.86
10237	Acrolein	107-02-8	21	U	21	0.86
10237	Acrylonitrile	107-13-1	4	U	4	0.86
10237	Allyl Chloride	107-05-1	1	U	1	0.86
10237	Benzene	71-43-2	0.5	U	0.5	0.86
10237	Bromodichloromethane	75-27-4	1	U	1	0.86
10237	Bromoform	75-25-2	1	U	1	0.86
10237	Bromomethane	74-83-9	2	U	2	0.86
10237	2-Butanone	78-93-3	4	U	4	0.86
10237	Carbon Disulfide	75-15-0	1	U	1	0.86
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.86
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.86
10237	Chlorobenzene	108-90-7	1	U	1	0.86
10237	Chloroethane	75-00-3	2	U	2	0.86
10237	Chloroform	67-66-3	1	U	1	0.86
10237	Chloromethane	74-87-3	2	U	2	0.86
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.86
10237	Dibromochloromethane	124-48-1	1	U	1	0.86
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.86
10237	Dibromomethane	74-95-3	1	U	1	0.86
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	0.86
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.86
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.86
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.86
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.86
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.86
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.86
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.86
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.86
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.86
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.86
10237	Ethylbenzene	100-41-4	1	U	1	0.86
10237	2-Hexanone	591-78-6	3	U	3	0.86
10237	Isobutyl Alcohol	78-83-1	110	U	110	0.86
10237	Methacrylonitrile	126-98-7	5	U	5	0.86
10237	Methyl Iodide	74-88-4	3	U	3	0.86
10237	Methyl Methacrylate	80-62-6	1	U	1	0.86
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.86
10237	Methylene Chloride	75-09-2	2	U	2	0.86
10237	Pentachloroethane	76-01-7	1	U	1	0.86
10237	Propionitrile	107-12-0	32	U	32	0.86
10237	Styrene	100-42-5	1	U	1	0.86
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.86
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.86
10237	Tetrachloroethene	127-18-4	1	U	1	0.86
10237	Toluene	108-88-3	1	U	1	0.86
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.86
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.86
10237	Trichloroethene	79-01-6	1	U	1	0.86
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.86

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1405

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.86
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.86
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.86
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.86
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	6 J	4	21	1
10726	Benzo(a)pyrene	50-32-8	9 J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	10 J	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	8 J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	210	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	5 J	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	21 U	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	82 U	82	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1405

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	8	J 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	7	J 4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	82	U 82	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,100	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	210	1
10726	4-Nitroaniline	100-01-6	82	U 82	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1405

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	210	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	210	1
10726	Phenanthrene	85-01-8	7	J 4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	8	J 4	21	1
10726	Pyridine	110-86-1	82	U 82	210	1
10726	Safrole	94-59-7	82	U 82	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	210	1
10726	Thionazin	297-97-2	82	U 82	210	1
10726	o-Toluidine	95-53-4	250	U 250	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.2	U 6.2	12	1
12925	Ethylene glycol	107-21-1	6.2	U 6.2	12	1
12925	Propylene glycol	57-55-6	6.2	U 6.2	12	1
12925	Triethylene glycol	112-27-6	6.2	U 6.2	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	47.0	0.0396	1.20	1
06947	Beryllium	7440-41-7	0.910	J 0.0804	1.20	1
06949	Cadmium	7440-43-9	0.0768	J 0.0396	1.20	1
06951	Chromium	7440-47-3	2.73	J 0.132	3.60	1
06952	Cobalt	7440-48-4	2.37	0.115	1.20	1
06953	Copper	7440-50-8	2.84	0.396	2.40	1
06961	Nickel	7440-02-0	6.31	0.180	2.40	1
06966	Silver	7440-22-4	0.228	U 0.228	1.20	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1405

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.85 J	0.516	24.0	1
06971	Vanadium	7440-62-2	12.9	0.109	1.20	1
06972	Zinc	7440-66-6	19.8	0.312	4.80	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.101 U	0.101	0.480	2
06125	Arsenic	7440-38-2	1.48	0.102	0.960	2
06135	Lead	7439-92-1	7.57	0.0154	0.480	2
06141	Selenium	7782-49-2	0.319 J	0.120	0.960	2
06145	Thallium	7440-28-0	0.311	0.0360	0.240	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0119 J	0.0119	0.237	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/17/2014 23:48	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 08:28	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 08:28	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 08:28	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 03:24	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 01:39	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-5 Soil
SOIL 2014

LL Sample # SW 7711203
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:28 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1405

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 20:59	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:08	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:08	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:08	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:08	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:08	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:18	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	10	J	10	1.14
10237	Acetonitrile	75-05-8	35	U	35	1.14
10237	Acrolein	107-02-8	28	U	28	1.14
10237	Acrylonitrile	107-13-1	6	U	6	1.14
10237	Allyl Chloride	107-05-1	1	U	1	1.14
10237	Benzene	71-43-2	0.7	U	0.7	1.14
10237	Bromodichloromethane	75-27-4	1	U	1	1.14
10237	Bromoform	75-25-2	1	U	1	1.14
10237	Bromomethane	74-83-9	3	U	3	1.14
10237	2-Butanone	78-93-3	6	U	6	1.14
10237	Carbon Disulfide	75-15-0	1	U	1	1.14
10237	Carbon Tetrachloride	56-23-5	1	U	1	1.14
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1.14
10237	Chlorobenzene	108-90-7	1	U	1	1.14
10237	Chloroethane	75-00-3	3	U	3	1.14
10237	Chloroform	67-66-3	1	U	1	1.14
10237	Chloromethane	74-87-3	3	U	3	1.14
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	1.14
10237	Dibromochloromethane	124-48-1	1	U	1	1.14
10237	1,2-Dibromoethane	106-93-4	1	U	1	1.14
10237	Dibromomethane	74-95-3	1	U	1	1.14
10237	trans-1,4-Dichloro-2-butene	110-57-6	14	U	14	1.14
10237	Dichlorodifluoromethane	75-71-8	3	U	3	1.14
10237	1,1-Dichloroethane	75-34-3	1	U	1	1.14
10237	1,2-Dichloroethane	107-06-2	1	U	1	1.14
10237	1,1-Dichloroethene	75-35-4	1	U	1	1.14
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	1.14
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	1.14
10237	1,2-Dichloropropane	78-87-5	1	U	1	1.14
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	1.14
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	1.14
10237	Ethyl Methacrylate	97-63-2	1	U	1	1.14
10237	Ethylbenzene	100-41-4	1	U	1	1.14
10237	2-Hexanone	591-78-6	4	U	4	1.14
10237	Isobutyl Alcohol	78-83-1	140	U	140	1.14
10237	Methacrylonitrile	126-98-7	7	U	7	1.14
10237	Methyl Iodide	74-88-4	4	U	4	1.14
10237	Methyl Methacrylate	80-62-6	1	U	1	1.14
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	1.14
10237	Methylene Chloride	75-09-2	3	U	3	1.14
10237	Pentachloroethane	76-01-7	1	U	1	1.14
10237	Propionitrile	107-12-0	42	U	42	1.14
10237	Styrene	100-42-5	1	U	1	1.14
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	1.14
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	1.14
10237	Tetrachloroethene	127-18-4	1	U	1	1.14
10237	Toluene	108-88-3	1	U	1	1.14
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	1.14
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	1.14
10237	Trichloroethene	79-01-6	1	U	1	1.14
10237	Trichlorofluoromethane	75-69-4	3	U	3	1.14

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	7	1.14
10237	Vinyl Acetate	108-05-4	3 U	3	14	1.14
10237	Vinyl Chloride	75-01-4	1 U	1	7	1.14
10237	Xylene (Total)	1330-20-7	1 U	1	7	1.14
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	40	1
10726	2-Acetylaminofluorene	53-96-3	80 U	80	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	600	1
10726	Aniline	62-53-3	200 U	200	600	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	20	1
10726	Benzo(a)pyrene	50-32-8	5 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	5 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	5 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	600	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	40	1
10726	Butylbenzylphthalate	85-68-7	80 U	80	200	1
10726	Di-n-butylphthalate	84-74-2	80 U	80	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	40	1
10726	4-Chloroaniline	106-47-8	20 U	20	40	1
10726	Chlorobenzilate	510-15-6	40 U	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	40	1
10726	Chrysene	218-01-9	4 U	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40 U	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	400	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	40	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	40	1
10726	Diethylphthalate	84-66-2	80 U	80	200	1
10726	Dimethoate	60-51-5	200 U	200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	80 U	80	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600 U	600	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	80	U 80	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	80	U 80	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	80	U 80	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	80	U 80	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	80	U 80	200	1
10726	Fluoranthene	206-44-0	4	U 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	80	U 80	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,000	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	80	U 80	200	1
10726	4-Nitroaniline	100-01-6	80	U 80	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	80	U 80	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	80	U 80	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	80	U 80	200	1
10726	N-Nitrosomorpholine	59-89-2	80	U 80	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	80	U 80	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	80	U 80	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	80	U 80	200	1
10726	Phenanthrene	85-01-8	4	U 4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	4	U 4	20	1
10726	Pyridine	110-86-1	80	U 80	200	1
10726	Safrole	94-59-7	80	U 80	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	80	U 80	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	80	U 80	200	1
10726	Thionazin	297-97-2	80	U 80	200	1
10726	o-Toluidine	95-53-4	240	U 240	800	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	80	U 80	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.1	U 6.1	12	1
12925	Ethylene glycol	107-21-1	6.1	U 6.1	12	1
12925	Propylene glycol	57-55-6	6.1	U 6.1	12	1
12925	Triethylene glycol	112-27-6	6.1	U 6.1	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	25.8	0.0397	1.20	1
06947	Beryllium	7440-41-7	0.583	J 0.0806	1.20	1
06949	Cadmium	7440-43-9	0.0638	J 0.0397	1.20	1
06951	Chromium	7440-47-3	3.97	0.132	3.61	1
06952	Cobalt	7440-48-4	1.85	0.115	1.20	1
06953	Copper	7440-50-8	2.58	0.397	2.41	1
06961	Nickel	7440-02-0	7.08	0.180	2.41	1
06966	Silver	7440-22-4	0.229	U 0.229	1.20	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1406

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.82 J	0.517	24.1	1
06971	Vanadium	7440-62-2	13.6	0.109	1.20	1
06972	Zinc	7440-66-6	14.8	0.313	4.81	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.102 U	0.102	0.481	2
06125	Arsenic	7440-38-2	1.11	0.103	0.962	2
06135	Lead	7439-92-1	5.68	0.0154	0.481	2
06141	Selenium	7782-49-2	0.134 J	0.120	0.962	2
06145	Thallium	7440-28-0	0.169 J	0.0361	0.241	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0180 J	0.0120	0.240	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	17.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/18/2014 00:11	Chelsea B Stong	1.14
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 09:27	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 09:27	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 09:27	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 03:48	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 01:54	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-6 Soil
SOIL 2014

LL Sample # SW 7711204
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 09:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1406

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:03	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:10	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:10	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:10	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:10	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:10	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:20	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor	
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	20	J	7	20	0.83
10237	Acetonitrile	75-05-8	25	U	25	99	0.83
10237	Acrolein	107-02-8	20	U	20	99	0.83
10237	Acrylonitrile	107-13-1	4	U	4	20	0.83
10237	Allyl Chloride	107-05-1	1	U	1	5	0.83
10237	Benzene	71-43-2	0.5	U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.83
10237	Bromoform	75-25-2	1	U	1	5	0.83
10237	Bromomethane	74-83-9	2	U	2	5	0.83
10237	2-Butanone	78-93-3	4	U	4	10	0.83
10237	Carbon Disulfide	75-15-0	1	U	1	5	0.83
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.83
10237	Chlorobenzene	108-90-7	1	U	1	5	0.83
10237	Chloroethane	75-00-3	2	U	2	5	0.83
10237	Chloroform	67-66-3	1	U	1	5	0.83
10237	Chloromethane	74-87-3	2	U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.83
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.83
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.83
10237	Dibromomethane	74-95-3	1	U	1	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	50	0.83
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.83
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.83
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.83
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.83
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.83
10237	Ethylbenzene	100-41-4	1	U	1	5	0.83
10237	2-Hexanone	591-78-6	3	U	3	10	0.83
10237	Isobutyl Alcohol	78-83-1	99	U	99	250	0.83
10237	Methacrylonitrile	126-98-7	5	U	5	50	0.83
10237	Methyl Iodide	74-88-4	3	U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	10	0.83
10237	Methylene Chloride	75-09-2	2	U	2	5	0.83
10237	Pentachloroethane	76-01-7	1	U	1	5	0.83
10237	Propionitrile	107-12-0	30	U	30	99	0.83
10237	Styrene	100-42-5	1	U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.83
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	5	0.83
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.83
10237	Toluene	108-88-3	1	U	1	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.83
10237	Trichloroethene	79-01-6	1	U	1	5	0.83
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	40	1
10726	2-Acetylaminofluorene	53-96-3	79 U	79	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	590	1
10726	Aniline	62-53-3	200 U	200	590	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	20	1
10726	Benzo(a)pyrene	50-32-8	6 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	6 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	6 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	590	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	40	1
10726	Butylbenzylphthalate	85-68-7	79 U	79	200	1
10726	Di-n-butylphthalate	84-74-2	79 U	79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	40	1
10726	4-Chloroaniline	106-47-8	20 U	20	40	1
10726	Chlorobenzilate	510-15-6	40 U	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	40	1
10726	Chrysene	218-01-9	4 U	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40 U	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	400	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	40	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	40	1
10726	Diethylphthalate	84-66-2	79 U	79	200	1
10726	Dimethoate	60-51-5	200 U	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	79 U	79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	590 U	590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	79	U 79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	79	U 79	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	79	U 79	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	79	U 79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	79	U 79	200	1
10726	Fluoranthene	206-44-0	4	U 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	79	U 79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Napthoquinone	130-15-4	990	U 990	4,000	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	79	U 79	200	1
10726	4-Nitroaniline	100-01-6	79	U 79	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	79	U 79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	79	U 79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	79	U 79	200	1
10726	N-Nitrosomorpholine	59-89-2	79	U 79	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	79	U 79	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	79	U 79	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	79	U 79	200	1
10726	Phenanthrene	85-01-8	4	U 4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	4	U 4	20	1
10726	Pyridine	110-86-1	79	U 79	200	1
10726	Safrole	94-59-7	79	U 79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	79	U 79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	79	U 79	200	1
10726	Thionazin	297-97-2	79	U 79	200	1
10726	o-Toluidine	95-53-4	240	U 240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	79	U 79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	54.6	0.0381	1.15	1
06947	Beryllium	7440-41-7	1.24	0.0773	1.15	1
06949	Cadmium	7440-43-9	0.133	J 0.0381	1.15	1
06951	Chromium	7440-47-3	4.71	0.127	3.46	1
06952	Cobalt	7440-48-4	3.61	0.111	1.15	1
06953	Copper	7440-50-8	3.65	0.381	2.31	1
06961	Nickel	7440-02-0	15.3	0.173	2.31	1
06966	Silver	7440-22-4	0.219	U 0.219	1.15	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1407

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	4.18 J	0.496	23.1	1
06971	Vanadium	7440-62-2	20.9	0.105	1.15	1
06972	Zinc	7440-66-6	28.2	0.300	4.62	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0974 U	0.0974	0.462	2
06125	Arsenic	7440-38-2	1.84	0.0986	0.924	2
06135	Lead	7439-92-1	9.53	0.0148	0.462	2
06141	Selenium	7782-49-2	0.385 J	0.115	0.924	2
06145	Thallium	7440-28-0	0.326	0.0346	0.231	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0289 J	0.0113	0.227	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/18/2014 00:33	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 16:48	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 16:48	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 16:48	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 04:12	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 02:09	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-7 Soil
SOIL 2014

LL Sample # SW 7711205
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:48 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1407

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:06	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:13	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:13	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:13	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:13	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:13	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:22	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	25	7	19	0.82
10237	Acetonitrile	75-05-8	24 U	24	97	0.82
10237	Acrolein	107-02-8	19 U	19	97	0.82
10237	Acrylonitrile	107-13-1	4 U	4	19	0.82
10237	Allyl Chloride	107-05-1	1 U	1	5	0.82
10237	Benzene	71-43-2	0.5 U	0.5	5	0.82
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.82
10237	Bromoform	75-25-2	1 U	1	5	0.82
10237	Bromomethane	74-83-9	2 U	2	5	0.82
10237	2-Butanone	78-93-3	4 U	4	10	0.82
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.82
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.82
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.82
10237	Chlorobenzene	108-90-7	1 U	1	5	0.82
10237	Chloroethane	75-00-3	2 U	2	5	0.82
10237	Chloroform	67-66-3	1 U	1	5	0.82
10237	Chloromethane	74-87-3	2 U	2	5	0.82
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.82
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.82
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.82
10237	Dibromomethane	74-95-3	1 U	1	5	0.82
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	48	0.82
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.82
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.82
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.82
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.82
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.82
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.82
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.82
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.82
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.82
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.82
10237	Ethylbenzene	100-41-4	1 U	1	5	0.82
10237	2-Hexanone	591-78-6	3 U	3	10	0.82
10237	Isobutyl Alcohol	78-83-1	97 U	97	240	0.82
10237	Methacrylonitrile	126-98-7	5 U	5	48	0.82
10237	Methyl Iodide	74-88-4	3 U	3	5	0.82
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.82
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.82
10237	Methylene Chloride	75-09-2	2 U	2	5	0.82
10237	Pentachloroethane	76-01-7	1 U	1	5	0.82
10237	Propionitrile	107-12-0	29 U	29	97	0.82
10237	Styrene	100-42-5	1 U	1	5	0.82
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.82
10237	1,1,1,2-Tetrachloroethane	79-34-5	1 U	1	5	0.82
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.82
10237	Toluene	108-88-3	1 U	1	5	0.82
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.82
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.82
10237	Trichloroethene	79-01-6	1 U	1	5	0.82
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.82

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.82
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.82
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.82
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.82
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	39	1
10726	2-Acetylaminofluorene	53-96-3	79 U	79	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	590	1
10726	Aniline	62-53-3	200 U	200	590	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	20	1
10726	Benzo(a)pyrene	50-32-8	6 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	6 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	6 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	4 J	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	590	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	39	1
10726	Butylbenzylphthalate	85-68-7	79 U	79	200	1
10726	Di-n-butylphthalate	84-74-2	79 U	79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	39	1
10726	4-Chloroaniline	106-47-8	20 U	20	39	1
10726	Chlorobenzilate	510-15-6	39 U	39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	39	1
10726	Chrysene	218-01-9	4 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39 U	39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	390	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	39	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	39	1
10726	Diethylphthalate	84-66-2	79 U	79	200	1
10726	Dimethoate	60-51-5	200 U	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	79 U	79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590 U	590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	79	U 79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	79	U 79	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	79	U 79	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	20	U 20	39	1
10726	Ethyl methanesulfonate	62-50-0	79	U 79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	79	U 79	200	1
10726	Fluoranthene	206-44-0	6	J 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	79	U 79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Napthoquinone	130-15-4	980	U 980	3,900	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	79	U 79	200	1
10726	4-Nitroaniline	100-01-6	79	U 79	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	79	U 79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	79	U 79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	79	U 79	200	1
10726	N-Nitrosomorpholine	59-89-2	79	U 79	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	79	U 79	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	79	U 79	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	79	U 79	200	1
10726	Phenanthrene	85-01-8	5	J 4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	6	J 4	20	1
10726	Pyridine	110-86-1	79	U 79	200	1
10726	Safrole	94-59-7	79	U 79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	79	U 79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	79	U 79	200	1
10726	Thionazin	297-97-2	79	U 79	200	1
10726	o-Toluidine	95-53-4	240	U 240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	79	U 79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	31.2	0.0382	1.16	1
06947	Beryllium	7440-41-7	0.840	J 0.0776	1.16	1
06949	Cadmium	7440-43-9	0.0915	J 0.0382	1.16	1
06951	Chromium	7440-47-3	4.72	0.127	3.48	1
06952	Cobalt	7440-48-4	2.49	0.111	1.16	1
06953	Copper	7440-50-8	3.37	0.382	2.32	1
06961	Nickel	7440-02-0	18.3	0.174	2.32	1
06966	Silver	7440-22-4	0.220	U 0.220	1.16	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1408

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.10 J	0.498	23.2	1
06971	Vanadium	7440-62-2	15.6	0.105	1.16	1
06972	Zinc	7440-66-6	21.5	0.301	4.64	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0978 U	0.0978	0.464	2
06125	Arsenic	7440-38-2	2.00	0.0990	0.927	2
06135	Lead	7439-92-1	11.7	0.0149	0.464	2
06141	Selenium	7782-49-2	0.316 J	0.116	0.927	2
06145	Thallium	7440-28-0	0.242	0.0348	0.232	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0258 J	0.0117	0.234	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143511AA	12/18/2014 00:56	Chelsea B Stong	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/11/2014 16:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/11/2014 16:32	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/11/2014 16:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 04:36	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 02:23	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-8 Soil
SOIL 2014

LL Sample # SW 7711206
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 16:32 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1408

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:10	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:15	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:15	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:15	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:15	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:15	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:24	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	25	7	21	0.83
10237	Acetonitrile	75-05-8	26	U	100	0.83
10237	Acrolein	107-02-8	21	U	21	0.83
10237	Acrylonitrile	107-13-1	4	U	4	0.83
10237	Allyl Chloride	107-05-1	1	U	1	0.83
10237	Benzene	71-43-2	0.5	U	0.5	0.83
10237	Bromodichloromethane	75-27-4	1	U	1	0.83
10237	Bromoform	75-25-2	1	U	1	0.83
10237	Bromomethane	74-83-9	2	U	2	0.83
10237	2-Butanone	78-93-3	4	U	4	0.83
10237	Carbon Disulfide	75-15-0	1	U	1	0.83
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.83
10237	Chlorobenzene	108-90-7	1	U	1	0.83
10237	Chloroethane	75-00-3	2	U	2	0.83
10237	Chloroform	67-66-3	1	U	1	0.83
10237	Chloromethane	74-87-3	2	U	2	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.83
10237	Dibromochloromethane	124-48-1	1	U	1	0.83
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.83
10237	Dibromomethane	74-95-3	1	U	1	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.83
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.83
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.83
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.83
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.83
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.83
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.83
10237	Ethylbenzene	100-41-4	1	U	1	0.83
10237	2-Hexanone	591-78-6	3	U	3	0.83
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.83
10237	Methacrylonitrile	126-98-7	5	U	5	0.83
10237	Methyl Iodide	74-88-4	3	U	3	0.83
10237	Methyl Methacrylate	80-62-6	1	U	1	0.83
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.83
10237	Methylene Chloride	75-09-2	2	U	2	0.83
10237	Pentachloroethane	76-01-7	1	U	1	0.83
10237	Propionitrile	107-12-0	31	U	31	0.83
10237	Styrene	100-42-5	1	U	1	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.83
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.83
10237	Tetrachloroethene	127-18-4	1	U	1	0.83
10237	Toluene	108-88-3	1	U	1	0.83
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.83
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.83
10237	Trichloroethene	79-01-6	1	U	1	0.83
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	5 J	4	21	1
10726	Benzo(a)pyrene	50-32-8	7 J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	8 J	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	8 J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	5 J	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	210	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	6 J	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	21 U	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	82 U	82	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	7	J 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	6	J 4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	82	U 82	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	210	1
10726	4-Nitroaniline	100-01-6	82	U 82	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	210	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	210	1
10726	Phenanthrene	85-01-8	5	J 4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	8	J 4	21	1
10726	Pyridine	110-86-1	82	U 82	210	1
10726	Safrole	94-59-7	82	U 82	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	210	1
10726	Thionazin	297-97-2	82	U 82	210	1
10726	o-Toluidine	95-53-4	250	U 250	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.2	U 6.2	12	1
12925	Ethylene glycol	107-21-1	6.2	U 6.2	12	1
12925	Propylene glycol	57-55-6	6.2	U 6.2	12	1
12925	Triethylene glycol	112-27-6	6.2	U 6.2	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	49.3	0.0398	1.20	1
06947	Beryllium	7440-41-7	1.09	J 0.0807	1.20	1
06949	Cadmium	7440-43-9	0.0940	J 0.0398	1.20	1
06951	Chromium	7440-47-3	3.78	0.133	3.61	1
06952	Cobalt	7440-48-4	2.50	0.116	1.20	1
06953	Copper	7440-50-8	3.40	0.398	2.41	1
06961	Nickel	7440-02-0	8.94	0.181	2.41	1
06966	Silver	7440-22-4	0.229	U 0.229	1.20	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1409

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.07 J	0.518	24.1	1
06971	Vanadium	7440-62-2	14.7	0.110	1.20	1
06972	Zinc	7440-66-6	23.3	0.313	4.82	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.130 J	0.102	0.482	2
06125	Arsenic	7440-38-2	2.27	0.103	0.964	2
06135	Lead	7439-92-1	11.0	0.0155	0.482	2
06141	Selenium	7782-49-2	0.392 J	0.120	0.964	2
06145	Thallium	7440-28-0	0.341	0.0361	0.241	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0163 J	0.0119	0.237	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 12:26	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 08:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 08:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 08:50	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 05:00	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 02:38	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-9 Soil
SOIL 2014

LL Sample # SW 7711207
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:50 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1409

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:14	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:17	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:17	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:17	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:17	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:17	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:26	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820006B	12/18/2014 18:50	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1410

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	26	7	19	0.78
10237	Acetonitrile	75-05-8	23 U	23	93	0.78
10237	Acrolein	107-02-8	19 U	19	93	0.78
10237	Acrylonitrile	107-13-1	4 U	4	19	0.78
10237	Allyl Chloride	107-05-1	0.9 U	0.9	5	0.78
10237	Benzene	71-43-2	0.5 U	0.5	5	0.78
10237	Bromodichloromethane	75-27-4	0.9 U	0.9	5	0.78
10237	Bromoform	75-25-2	0.9 U	0.9	5	0.78
10237	Bromomethane	74-83-9	2 U	2	5	0.78
10237	2-Butanone	78-93-3	4 U	4	9	0.78
10237	Carbon Disulfide	75-15-0	0.9 U	0.9	5	0.78
10237	Carbon Tetrachloride	56-23-5	0.9 U	0.9	5	0.78
10237	2-Chloro-1,3-butadiene	126-99-8	0.9 U	0.9	5	0.78
10237	Chlorobenzene	108-90-7	0.9 U	0.9	5	0.78
10237	Chloroethane	75-00-3	2 U	2	5	0.78
10237	Chloroform	67-66-3	0.9 U	0.9	5	0.78
10237	Chloromethane	74-87-3	2 U	2	5	0.78
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.78
10237	Dibromochloromethane	124-48-1	0.9 U	0.9	5	0.78
10237	1,2-Dibromoethane	106-93-4	0.9 U	0.9	5	0.78
10237	Dibromomethane	74-95-3	0.9 U	0.9	5	0.78
10237	trans-1,4-Dichloro-2-butene	110-57-6	9 U	9	46	0.78
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.78
10237	1,1-Dichloroethane	75-34-3	0.9 U	0.9	5	0.78
10237	1,2-Dichloroethane	107-06-2	0.9 U	0.9	5	0.78
10237	1,1-Dichloroethene	75-35-4	0.9 U	0.9	5	0.78
10237	cis-1,2-Dichloroethene	156-59-2	0.9 U	0.9	5	0.78
10237	trans-1,2-Dichloroethene	156-60-5	0.9 U	0.9	5	0.78
10237	1,2-Dichloropropane	78-87-5	0.9 U	0.9	5	0.78
10237	cis-1,3-Dichloropropene	10061-01-5	0.9 U	0.9	5	0.78
10237	trans-1,3-Dichloropropene	10061-02-6	0.9 U	0.9	5	0.78
10237	Ethyl Methacrylate	97-63-2	0.9 U	0.9	5	0.78
10237	Ethylbenzene	100-41-4	0.9 U	0.9	5	0.78
10237	2-Hexanone	591-78-6	3 U	3	9	0.78
10237	Isobutyl Alcohol	78-83-1	93 U	93	230	0.78
10237	Methacrylonitrile	126-98-7	5 U	5	46	0.78
10237	Methyl Iodide	74-88-4	3 U	3	5	0.78
10237	Methyl Methacrylate	80-62-6	0.9 U	0.9	5	0.78
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	9	0.78
10237	Methylene Chloride	75-09-2	2 U	2	5	0.78
10237	Pentachloroethane	76-01-7	0.9 U	0.9	5	0.78
10237	Propionitrile	107-12-0	28 U	28	93	0.78
10237	Styrene	100-42-5	0.9 U	0.9	5	0.78
10237	1,1,1,2-Tetrachloroethane	630-20-6	0.9 U	0.9	5	0.78
10237	1,1,2,2-Tetrachloroethane	79-34-5	0.9 U	0.9	5	0.78
10237	Tetrachloroethene	127-18-4	0.9 U	0.9	5	0.78
10237	Toluene	108-88-3	0.9 U	0.9	5	0.78
10237	1,1,1-Trichloroethane	71-55-6	0.9 U	0.9	5	0.78
10237	1,1,2-Trichloroethane	79-00-5	0.9 U	0.9	5	0.78
10237	Trichloroethene	79-01-6	0.9 U	0.9	5	0.78
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.78

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1410

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	0.9 U	0.9	5	0.78
10237	Vinyl Acetate	108-05-4	2 U	2	9	0.78
10237	Vinyl Chloride	75-01-4	0.9 U	0.9	5	0.78
10237	Xylene (Total)	1330-20-7	0.9 U	0.9	5	0.78
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	20	1
10726	Acenaphthylene	208-96-8	4 U	4	20	1
10726	Acetophenone	98-86-2	20 U	20	40	1
10726	2-Acetylaminofluorene	53-96-3	79 U	79	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	590	1
10726	Aniline	62-53-3	200 U	200	590	1
10726	Anthracene	120-12-7	4 U	4	20	1
10726	Benzo(a)anthracene	56-55-3	5 J	4	20	1
10726	Benzo(a)pyrene	50-32-8	14 J	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	15 J	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	15 J	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	20	1
10726	Benzyl alcohol	100-51-6	200 U	200	590	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	40	1
10726	Butylbenzylphthalate	85-68-7	79 U	79	200	1
10726	Di-n-butylphthalate	84-74-2	79 U	79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	40	1
10726	4-Chloroaniline	106-47-8	20 U	20	40	1
10726	Chlorobenzilate	510-15-6	40 U	40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8 U	8	39	1
10726	2-Chlorophenol	95-57-8	20 U	20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	40	1
10726	Chrysene	218-01-9	9 J	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40 U	40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	5 J	4	20	1
10726	Dibenzofuran	132-64-9	20 U	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	400	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	40	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	40	1
10726	Diethylphthalate	84-66-2	79 U	79	200	1
10726	Dimethoate	60-51-5	200 U	200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	79 U	79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	590 U	590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1410

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	79	U 79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	79	U 79	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	79	U 79	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	20	U 20	40	1
10726	Ethyl methanesulfonate	62-50-0	79	U 79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	79	U 79	200	1
10726	Fluoranthene	206-44-0	4	U 4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	12	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	79	U 79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	990	U 990	4,000	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	79	U 79	200	1
10726	4-Nitroaniline	100-01-6	79	U 79	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	79	U 79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:22

B1410

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	79	U 79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	79	U 79	200	1
10726	N-Nitrosomorpholine	59-89-2	79	U 79	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	79	U 79	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	79	U 79	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	79	U 79	200	1
10726	Phenanthrene	85-01-8	4	U 4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	5	J 4	20	1
10726	Pyridine	110-86-1	79	U 79	200	1
10726	Safrole	94-59-7	79	U 79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	79	U 79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	79	U 79	200	1
10726	Thionazin	297-97-2	79	U 79	200	1
10726	o-Toluidine	95-53-4	240	U 240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	79	U 79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	26.0	0.0392	1.19	1
06947	Beryllium	7440-41-7	0.757	J 0.0796	1.19	1
06949	Cadmium	7440-43-9	0.126	J 0.0392	1.19	1
06951	Chromium	7440-47-3	9.34	0.131	3.56	1
06952	Cobalt	7440-48-4	1.92	0.114	1.19	1
06953	Copper	7440-50-8	5.02	0.392	2.38	1
06961	Nickel	7440-02-0	11.7	0.178	2.38	1
06966	Silver	7440-22-4	0.226	U 0.226	1.19	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1410

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.56 J	0.511	23.8	1
06971	Vanadium	7440-62-2	24.0	0.108	1.19	1
06972	Zinc	7440-66-6	16.6	0.309	4.75	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.173 J	0.100	0.475	2
06125	Arsenic	7440-38-2	3.90	0.101	0.950	2
06135	Lead	7439-92-1	15.9	0.0152	0.475	2
06141	Selenium	7782-49-2	0.533 J	0.119	0.950	2
06145	Thallium	7440-28-0	0.278	0.0356	0.238	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0474 J	0.0117	0.235	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143521AA	12/18/2014 12:49	Chelsea B Stong	0.78
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434736428	12/12/2014 08:08	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434736428	12/12/2014 08:08	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434736428	12/12/2014 08:08	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 17:58	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/23/2014 02:53	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143560028A	12/22/2014 18:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU14-SS-10 Soil
SOIL 2014

LL Sample # SW 7711208
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/12/2014 08:08 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B1410

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143510637006	12/19/2014 21:18	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143510637006A	12/19/2014 09:20	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143510637006A	12/19/2014 09:20	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143510637006A	12/19/2014 09:20	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143510637006B	12/19/2014 09:20	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143510637006A	12/19/2014 09:20	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143510638001	12/19/2014 10:28	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143510637006	12/18/2014 21:41	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143510638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820007A	12/18/2014 20:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-3-121114 Blank Water
SOIL 2014

LL Sample # WW 7711209
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:05 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B14T3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	1
10335	Acetonitrile	75-05-8	25	U	25	1
10335	Acrolein	107-02-8	40	U	40	1
10335	Acrylonitrile	107-13-1	4	U	4	1
10335	Allyl Chloride	107-05-1	1	U	1	1
10335	Benzene	71-43-2	0.5	U	0.5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1
10335	Bromoform	75-25-2	0.5	U	0.5	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1
10335	2-Butanone	78-93-3	3	U	3	1
10335	Carbon Disulfide	75-15-0	1	U	1	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1
10335	Chloroform	67-66-3	0.5	U	0.5	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1
10335	2-Hexanone	591-78-6	3	U	3	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	1
10335	Methacrylonitrile	126-98-7	10	U	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1
10335	Methyl Methacrylate	80-62-6	1	U	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	1
10335	Methylene Chloride	75-09-2	2	U	2	1
10335	Pentachloroethane	76-01-7	1	U	1	1
10335	Propionitrile	107-12-0	30	U	30	1
10335	Styrene	100-42-5	1	U	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1
10335	Toluene	108-88-3	0.5	U	0.5	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-3-121114 Blank Water
SOIL 2014

LL Sample # WW 7711209
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:05 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B14T3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143541AA	12/20/2014 04:51	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143541AA	12/20/2014 04:51	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-3-121114-A Blank Water
SOIL 2014

LL Sample # WW 7711210
LL Group # 1525391
Account # 06643

Project Name: BRE - SOIL

Collected: 12/11/2014 08:05 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:22

B14TA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143501AA	12/16/2014 10:06	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143501AA	12/16/2014 10:06	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: A143511AA									
Sample number(s): 7711185-7711195, 7711197-7711206									
Acetone	7	U	7.	20	ug/kg	76	53-141		
Acetonitrile	25	U	25.	100	ug/kg	102	61-147		
Acrolein	20	U	20.	100	ug/kg	90	58-122		
Acrylonitrile	4	U	4.	20	ug/kg	75	58-123		
Allyl Chloride	1	U	1.	5	ug/kg	96	61-132		
Benzene	0.5	U	0.5	5	ug/kg	98	80-120		
Bromodichloromethane	1	U	1.	5	ug/kg	95	75-120		
Bromoform	1	U	1.	5	ug/kg	83	70-126		
Bromomethane	2	U	2.	5	ug/kg	94	32-162		
2-Butanone	4	U	4.	10	ug/kg	72	62-123		
Carbon Disulfide	1	U	1.	5	ug/kg	93	63-128		
Carbon Tetrachloride	1	U	1.	5	ug/kg	110	69-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	98	73-120		
Chlorobenzene	1	U	1.	5	ug/kg	100	80-120		
Chloroethane	2	U	2.	5	ug/kg	92	17-171		
Chloroform	1	U	1.	5	ug/kg	103	80-125		
Chloromethane	2	U	2.	5	ug/kg	86	56-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	77	59-122		
Dibromochloromethane	1	U	1.	5	ug/kg	97	77-120		
1,2-Dibromoethane	1	U	1.	5	ug/kg	95	80-120		
Dibromomethane	1	U	1.	5	ug/kg	97	80-120		
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	92	70-128		
Dichlorodifluoromethane	2	U	2.	5	ug/kg	94	26-137		
1,1-Dichloroethane	1	U	1.	5	ug/kg	97	80-122		
1,2-Dichloroethane	1	U	1.	5	ug/kg	103	77-130		
1,1-Dichloroethene	1	U	1.	5	ug/kg	105	73-129		
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	102	80-120		
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	104	80-129		
1,2-Dichloropropane	1	U	1.	5	ug/kg	94	80-120		
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	90	74-120		
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	92	76-120		
Ethyl Methacrylate	1	U	1.	5	ug/kg	79	65-120		
Ethylbenzene	1	U	1.	5	ug/kg	101	80-120		
2-Hexanone	3	U	3.	10	ug/kg	56	51-120		
Isobutyl Alcohol	100	U	100.	250	ug/kg	75	64-121		
Methacrylonitrile	5	U	5.	50	ug/kg	85	73-127		
Methyl Iodide	3	U	3.	5	ug/kg	99	72-130		
Methyl Methacrylate	1	U	1.	5	ug/kg	81	60-120		
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	60	57-123		
Methylene Chloride	2	U	2.	5	ug/kg	99	80-124		
Pentachloroethane	1	U	1.	5	ug/kg	99	71-120		
Propionitrile	30	U	30.	100	ug/kg	88	63-131		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1 U	1.	5	ug/kg	98	98	76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	102	102	80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	82	82	71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	101	101	78-120		
Toluene	1 U	1.	5	ug/kg	100	100	80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	95	95	63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	93	93	80-120		
Trichloroethene	1 U	1.	5	ug/kg	102	102	80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	112	112	58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	88	88	71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	58	58	40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	97	97	59-120		
Xylene (Total)	1 U	1.	5	ug/kg	101	101	80-120		

Batch number: A143521AA

Sample number(s): 7711207-7711208

Acetone	7 U	7.	20	ug/kg	86	81	53-141	6	30
Acetonitrile	25 U	25.	100	ug/kg	94	102	61-147	8	30
Acrolein	20 U	20.	100	ug/kg	83	89	58-122	8	30
Acrylonitrile	4 U	4.	20	ug/kg	83	78	58-123	6	30
Allyl Chloride	1 U	1.	5	ug/kg	96	97	61-132	2	30
Benzene	0.5 U	0.5	5	ug/kg	100	100	80-120	1	30
Bromodichloromethane	1 U	1.	5	ug/kg	97	95	75-120	3	30
Bromoform	1 U	1.	5	ug/kg	89	83	70-126	6	30
Bromomethane	2 U	2.	5	ug/kg	94	94	32-162	0	30
2-Butanone	4 U	4.	10	ug/kg	81	75	62-123	8	30
Carbon Disulfide	1 U	1.	5	ug/kg	93	91	63-128	2	30
Carbon Tetrachloride	1 U	1.	5	ug/kg	112	110	69-130	2	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/kg	100	98	73-120	2	30
Chlorobenzene	1 U	1.	5	ug/kg	102	101	80-120	1	30
Chloroethane	2 U	2.	5	ug/kg	90	91	17-171	1	30
Chloroform	1 U	1.	5	ug/kg	106	103	80-125	3	30
Chloromethane	2 U	2.	5	ug/kg	93	94	56-120	1	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/kg	83	78	59-122	6	30
Dibromochloromethane	1 U	1.	5	ug/kg	97	96	77-120	2	30
1,2-Dibromoethane	1 U	1.	5	ug/kg	98	95	80-120	3	30
Dibromomethane	1 U	1.	5	ug/kg	100	98	80-120	2	30
trans-1,4-Dichloro-2-butene	10 U	10.	50	ug/kg	99	94	70-128	5	30
Dichlorodifluoromethane	2 U	2.	5	ug/kg	116	111	26-137	4	30
1,1-Dichloroethane	1 U	1.	5	ug/kg	97	97	80-122	1	30
1,2-Dichloroethane	1 U	1.	5	ug/kg	108	105	77-130	3	30
1,1-Dichloroethene	1 U	1.	5	ug/kg	106	104	73-129	1	30
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	104	103	80-120	1	30
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	107	106	80-129	2	30
1,2-Dichloropropane	1 U	1.	5	ug/kg	95	95	80-120	0	30
cis-1,3-Dichloropropene	1 U	1.	5	ug/kg	91	92	74-120	0	30
trans-1,3-Dichloropropene	1 U	1.	5	ug/kg	95	95	76-120	0	30
Ethyl Methacrylate	1 U	1.	5	ug/kg	86	82	65-120	5	30
Ethylbenzene	1 U	1.	5	ug/kg	103	102	80-120	2	30
2-Hexanone	3 U	3.	10	ug/kg	62	57	51-120	8	30
Isobutyl Alcohol	100 U	100.	250	ug/kg	78	78	64-121	0	30
Methacrylonitrile	5 U	5.	50	ug/kg	92	87	73-127	6	30
Methyl Iodide	3 U	3.	5	ug/kg	100	100	72-130	0	30
Methyl Methacrylate	1 U	1.	5	ug/kg	89	82	60-120	8	30
4-Methyl-2-pentanone	3 U	3.	10	ug/kg	66	62	57-123	7	30
Methylene Chloride	2 U	2.	5	ug/kg	101	101	80-124	0	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Analysis Name	Blank		Blank		Report	LCS	LCS	LCS/LCS	RPD	RPD
	Result	U	MDL**	LOQ						
Pentachloroethane	1	U	1.	5	ug/kg	102	103	71-120	1	30
Propionitrile	30	U	30.	100	ug/kg	85	90	63-131	7	30
Styrene	1	U	1.	5	ug/kg	103	101	76-120	2	30
1,1,1,2-Tetrachloroethane	1	U	1.	5	ug/kg	102	101	80-120	1	30
1,1,2,2-Tetrachloroethane	1	U	1.	5	ug/kg	87	86	71-123	1	30
Tetrachloroethene	1	U	1.	5	ug/kg	101	99	78-120	2	30
Toluene	1	U	1.	5	ug/kg	100	100	80-120	0	30
1,1,1-Trichloroethane	1	U	1.	5	ug/kg	95	95	63-135	1	30
1,1,2-Trichloroethane	1	U	1.	5	ug/kg	96	93	80-120	3	30
Trichloroethene	1	U	1.	5	ug/kg	105	104	80-125	1	30
Trichlorofluoromethane	2	U	2.	5	ug/kg	116	110	58-133	6	30
1,2,3-Trichloropropane	1	U	1.	5	ug/kg	94	90	71-123	5	30
Vinyl Acetate	2	U	2.	10	ug/kg	61	58	40-127	6	30
Vinyl Chloride	1	U	1.	5	ug/kg	102	101	59-120	1	30
Xylene (Total)	1	U	1.	5	ug/kg	103	102	80-120	1	30

Batch number: T143501AA
Acrolein
Acrylonitrile

Sample number(s): 7711210
40 U 40. 100 ug/l
4 U 4. 20 ug/l

115 113 59-120 2 30
105 107 62-120 2 30

Batch number: Y143541AA

Sample number(s): 7711209

Acetone	6	U	6.	20	ug/l	93	91	55-129	2	30
Acetonitrile	25	U	25.	100	ug/l	105	110	49-163	4	30
Acrolein	40	U	40.	100	ug/l	105	108	59-120	3	30
Acrylonitrile	4	U	4.	20	ug/l	88	89	62-120	1	30
Allyl Chloride	1	U	1.	5	ug/l	93	93	56-120	0	30
Benzene	0.5	U	0.5	1	ug/l	101	101	78-120	1	30
Bromodichloromethane	0.5	U	0.5	1	ug/l	87	87	73-120	0	30
Bromoform	0.5	U	0.5	4	ug/l	69	70	61-120	1	30
Bromomethane	0.5	U	0.5	1	ug/l	78	80	53-130	3	30
2-Butanone	3	U	3.	10	ug/l	98	98	54-133	1	30
Carbon Disulfide	1	U	1.	5	ug/l	73	73	58-126	0	30
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	88	89	74-130	1	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/l	94	95	73-120	1	30
Chlorobenzene	0.5	U	0.5	1	ug/l	102	103	80-120	0	30
Chloroethane	0.5	U	0.5	1	ug/l	81	87	56-120	6	30
Chloroform	0.5	U	0.5	1	ug/l	98	99	80-122	1	30
Chloromethane	0.5	U	0.5	1	ug/l	94	94	63-120	0	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	81	84	56-120	3	30
Dibromochloromethane	0.5	U	0.5	1	ug/l	85	86	72-120	0	30
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	102	102	80-120	1	30
Dibromomethane	0.5	U	0.5	1	ug/l	95	96	80-120	1	30
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	86	87	47-139	1	30
Dichlorodifluoromethane	0.5	U	0.5	1	ug/l	89	89	55-127	1	30
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	93	99	80-120	6	30
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	99	100	65-135	1	30
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	92	92	76-124	1	30
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	100	101	80-120	1	30
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	97	100	80-120	3	30
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	99	100	80-120	1	30
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	89	90	80-120	1	30
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	86	88	76-120	2	30
Ethyl Methacrylate	1	U	1.	5	ug/l	97	97	73-120	0	30
Ethylbenzene	0.5	U	0.5	1	ug/l	101	102	79-120	1	30
2-Hexanone	3	U	3.	10	ug/l	99	100	57-127	1	30
Isobutyl Alcohol	100	U	100.	250	ug/l	104	105	63-134	1	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max	
	U									
Methacrylonitrile	10	U	10.	50	ug/l	98	97	75-120	1	30
Methyl Iodide	0.5	U	0.5	1	ug/l	91	92	75-128	1	30
Methyl Methacrylate	1	U	1.	5	ug/l	95	93	71-120	1	30
4-Methyl-2-pentanone	3	U	3.	10	ug/l	101	100	51-124	1	30
Methylene Chloride	2	U	2.	4	ug/l	96	96	80-120	0	30
Pentachloroethane	1	U	1.	5	ug/l	88	88	74-120	0	30
Propionitrile	30	U	30.	100	ug/l	111	114	73-133	2	30
Styrene	1	U	1.	5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	91	92	80-120	1	30
1,1,2,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	99	99	70-120	0	30
Tetrachloroethene	0.5	U	0.5	1	ug/l	101	101	80-120	0	30
Toluene	0.5	U	0.5	1	ug/l	103	103	80-120	0	30
1,1,1-Trichloroethane	0.5	U	0.5	1	ug/l	81	83	66-126	2	30
1,1,2-Trichloroethane	0.5	U	0.5	1	ug/l	102	102	80-120	0	30
Trichloroethene	0.5	U	0.5	1	ug/l	102	102	80-120	0	30
Trichlorofluoromethane	0.5	U	0.5	1	ug/l	89	89	58-135	1	30
1,2,3-Trichloropropane	1	U	1.	5	ug/l	101	102	76-120	1	30
Vinyl Acetate	2	U	2.	10	ug/l	65	67	56-135	3	30
Vinyl Chloride	0.5	U	0.5	1	ug/l	100	99	63-120	1	30
Xylene (Total)	0.5	U	0.5	1	ug/l	103	102	80-120	0	30

Batch number: 14350SLB026

Sample number(s): 7711193-7711195,7711197-7711207

Acenaphthene	3	U	3.	17	ug/kg	100		83-111
Acenaphthylene	3	U	3.	17	ug/kg	107		83-127
Acetophenone	17	U	17.	33	ug/kg	94		76-108
2-Acetylaminofluorene	67	U	67.	170	ug/kg	104		78-116
4-Aminobiphenyl	170	U	170.	500	ug/kg	54		14-89
Aniline	170	U	170.	500	ug/kg	79		43-110
Anthracene	3	U	3.	17	ug/kg	104		82-118
Benzo(a)anthracene	3	U	3.	17	ug/kg	100		76-119
Benzo(a)pyrene	3	U	3.	17	ug/kg	105		84-122
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	115		78-129
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	97		77-121
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	104		79-120
Benzyl alcohol	170	U	170.	500	ug/kg	103		75-132
1,1'-Biphenyl	17	U	17.	33	ug/kg	93		78-111
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	101		84-120
Butylbenzylphthalate	67	U	67.	170	ug/kg	103		80-118
Di-n-butylphthalate	67	U	67.	170	ug/kg	106		84-120
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	112		79-127
4-Chloroaniline	17	U	17.	33	ug/kg	43		10-105
Chlorobenzilate	33	U	33.	170	ug/kg	116		81-134
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	95		65-123
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	95		77-115
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	96		73-114
2-Chloronaphthalene	7	U	7.	33	ug/kg	113		63-146
2-Chlorophenol	17	U	17.	33	ug/kg	106		80-122
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	99		83-115
Chrysene	3	U	3.	17	ug/kg	99		77-116
Diallate TRANS/CIS	33	U	33.	170	ug/kg	104		76-135
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	103		81-123
Dibenzofuran	17	U	17.	33	ug/kg	98		85-115

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	96		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	89		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	110		81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg	112		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	101		81-118		
Dimethoate	170 U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	103		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	131*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	108		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	104		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	108		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	105		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	112		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	107		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	109		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	54		33-86		
Diphenyl ether	17 U	17.	33	ug/kg	97		84-108		
Ethyl methanesulfonate	67 U	67.	170	ug/kg	97		77-121		
bis(2-Ethylhexyl)phthalate	67 U	67.	170	ug/kg	104		81-121		
Fluoranthene	3 U	3.	17	ug/kg	106		75-118		
Fluorene	3 U	3.	17	ug/kg	102		86-118		
Hexachlorobenzene	3 U	3.	17	ug/kg	94		80-121		
Hexachlorobutadiene	17 U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	120		60-157		
Hexachloroethane	33 U	33.	170	ug/kg	95		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	105		85-120		
Indeno(1,2,3-cd)pyrene	3 U	3.	17	ug/kg	98		76-122		
Isodrin	17 U	17.	33	ug/kg	109		85-128		
Isophorone	17 U	17.	33	ug/kg	105		83-119		
Isosafrole	67 U	67.	170	ug/kg	107		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	113		70-130		
Methyl methanesulfonate	33 U	33.	170	ug/kg	91		73-117		
3-Methylcholanthrene	17 U	17.	33	ug/kg	113		85-126		
2-Methylnaphthalene	3 U	3.	17	ug/kg	100		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	108		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	100		75-119		
Naphthalene	3 U	3.	17	ug/kg	100		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	91		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	61		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	44		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	67		39-99		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Nitroaniline	17	U	17.	33	ug/kg	115	84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	93	66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	92	48-112		
Nitrobenzene	17	U	17.	33	ug/kg	97	80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	109	83-120		
4-Nitrophenol	170		170.	500	ug/kg	98	64-121		
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	123	65-139		
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	98	70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	103	64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	96	77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	85	72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	99	83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	87	71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	98	75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	104	82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	104	71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	127	82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	97	79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	102	83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	100	46-133		
Phenacetin	67	U	67.	170	ug/kg	106	76-119		
Phenanthrene	3	U	3.	17	ug/kg	92	80-114		
Phenol	17	U	17.	33	ug/kg	103	75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg				
2-Picoline	100		100.	330	ug/kg	81	64-108		
Pronamide	33	U	33.	170	ug/kg	109	72-119		
Pyrene	3	U	3.	17	ug/kg	97	81-114		
Pyridine	67	U	67.	170	ug/kg	73	51-109		
Safrole	67	U	67.	170	ug/kg	102	82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	91	80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	112	77-129		
Tetraethylthiopyrophosphate	67	U	67.	170	ug/kg	98	77-123		
Thionazin	67	U	67.	170	ug/kg	110	76-123		
o-Toluidine	200		200.	670	ug/kg	62	12-110		
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	102	83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	108	86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	110	81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	102	82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	92	67-111		
Batch number: 14354SLF026	Sample number(s): 7711185-7711192,7711208								
Acenaphthene	3	U	3.	17	ug/kg	101	83-111		
Acenaphthylene	3	U	3.	17	ug/kg	107	83-127		
Acetophenone	17	U	17.	33	ug/kg	92	76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	105	78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	54	14-89		
Aniline	170		170.	500	ug/kg	72	43-110		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Anthracene	3 U	3.	17	ug/kg	101		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	95		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	109		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	99		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	97		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	95		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	100		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	104		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	105		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	102		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	50		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	118		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	94		65-123		
bis(2-Chloroethyl)ether	17 U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl)ether	17 U	17.	33	ug/kg	102		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	121		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	107		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	93		83-115		
Chrysene	3 U	3.	17	ug/kg	96		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	107		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	104		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	98		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	99		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	83		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	105		81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg	107		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	96		81-118		
Dimethoate	170 U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	102		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	115*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	107		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	99		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	98		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	98		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	100		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	93		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	97		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	105		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	59		33-86		
Diphenyl ether	17 U	17.	33	ug/kg	101		84-108		
Ethyl methanesulfonate	67 U	67.	170	ug/kg	98		77-121		
bis(2-Ethylhexyl)phthalate	67 U	67.	170	ug/kg	106		81-121		
Fluoranthene	3 U	3.	17	ug/kg	95		75-118		
Fluorene	3 U	3.	17	ug/kg	96		86-118		
Hexachlorobenzene	3 U	3.	17	ug/kg	95		80-121		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Hexachlorobutadiene	17	U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	122		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	100		78-114		
Hexachloropropene	100		100.	330	ug/kg	106		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100		76-122		
Isodrin	17	U	17.	33	ug/kg	103		85-128		
Isophorone	17	U	17.	33	ug/kg	102		83-119		
Isosafrole	67	U	67.	170	ug/kg	112		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	98		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	114		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	98		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	104		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	94		75-119		
Naphthalene	3	U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	88		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	60		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	43		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	55		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	113		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	78		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	96		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	111		83-120		
4-Nitrophenol	170		170.	500	ug/kg	94		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	101		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	79		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	102		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	90		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	95		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	98		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	131		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	99		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	77		46-133		
Phenacetin	67	U	67.	170	ug/kg	101		76-119		
Phenanthrene	3	U	3.	17	ug/kg	89		80-114		
Phenol	17	U	17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	83		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	104		72-119		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Pyrene	3 U	3.	17	ug/kg	95		81-114		
Pyridine	67 U	67.	170	ug/kg	77		51-109		
Safrole	67 U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	94		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	99		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	103		77-123		
Thionazin	67 U	67.	170	ug/kg	101		76-123		
o-Toluidine	200 U	200.	670	ug/kg	54		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	83		67-111		
Batch number: 143530007A	Sample number(s): 7711185-7711195,7711197-7711201								
Diethylene glycol	5.0 U	5.0	10	mg/kg	106		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	109		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	112		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	99		34-145		
Batch number: 143560028A	Sample number(s): 7711202-7711208								
Diethylene glycol	5.0 U	5.0	10	mg/kg	108		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	112		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	112		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	102		34-145		
Batch number: 143500637002	Sample number(s): 7711185-7711192								
Barium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	100		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.45 J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143500637002A	Sample number(s): 7711185-7711192								
Antimony	0.0844 U	0.0844	0.400	mg/kg	96		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	119		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	104		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	98		80-120		
Batch number: 143500637002B	Sample number(s): 7711185-7711192								
Selenium	0.100 U	0.100	0.800	mg/kg	106		80-120		
Batch number: 143500638001	Sample number(s): 7711185-7711192								
Mercury	0.0100 U	0.0100	0.200	mg/kg	99		80-120		
Batch number: 143510637006	Sample number(s): 7711193-7711208								
Barium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	102		80-120		

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Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	99		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	103		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	105		80-120		
Tin	1.54 J	0.430	20.0	mg/kg	99		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	100		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143510637006A	Sample number(s): 7711193-7711208								
Antimony	0.0844 U	0.0844	0.400	mg/kg	107		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	99		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	107		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	115		80-120		
Batch number: 143510637006B	Sample number(s): 7711193-7711208								
Selenium	0.100 U	0.100	0.800	mg/kg	105		80-120		
Batch number: 143510638001	Sample number(s): 7711193-7711208								
Mercury	0.0100 U	0.0100	0.200	mg/kg	97		80-120		
Batch number: 14352820006A	Sample number(s): 7711185-7711192								
Moisture					100		99-101		
Batch number: 14352820006B	Sample number(s): 7711193-7711207								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		
Batch number: 14352820007A	Sample number(s): 7711208								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: A143511AA	Sample number(s): 7711185-7711195,7711197-7711206 UNSPK: 7711193								
Acetone	85	83	31-195	5	30				
Acetonitrile	69	77	41-166	14	30				
Acrolein	63	60	10-165	7	30				
Acrylonitrile	85	84	48-139	5	30				
Allyl Chloride	103	102	55-154	4	30				
Benzene	104	106	55-143	1	30				
Bromodichloromethane	102	98	53-136	7	30				
Bromoform	88	83	50-144	9	30				
Bromomethane	95	90	42-168	9	30				
2-Butanone	90	89	37-163	4	30				
Carbon Disulfide	102	99	48-146	7	30				
Carbon Tetrachloride	118	115	51-165	5	30				

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

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Group Number: 1525391

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Chloro-1,3-butadiene	104	103	51-152	4	30				
Chlorobenzene	100	98	49-135	5	30				
Chloroethane	96	86	39-152	14	30				
Chloroform	109	107	61-142	5	30				
Chloromethane	94	93	36-143	5	30				
1,2-Dibromo-3-chloropropane	86	77	34-165	14	30				
Dibromochloromethane	103	101	51-128	5	30				
1,2-Dibromoethane	103	102	54-129	5	30				
Dibromomethane	106	100	57-130	9	30				
trans-1,4-Dichloro-2-butene	105	107	31-144	2	30				
Dichlorodifluoromethane	103	100	26-151	7	30				
1,1-Dichloroethane	101	101	63-142	3	30				
1,2-Dichloroethane	113	109	54-143	7	30				
1,1-Dichloroethene	113	110	61-149	5	30				
cis-1,2-Dichloroethene	109	106	67-135	6	30				
trans-1,2-Dichloroethene	112	112	64-144	3	30				
1,2-Dichloropropane	99	98	54-144	5	30				
cis-1,3-Dichloropropene	93	92	45-137	4	30				
trans-1,3-Dichloropropene	98	98	51-134	3	30				
Ethyl Methacrylate	91	90	35-134	5	30				
Ethylbenzene	103	101	44-141	5	30				
2-Hexanone	69	68	32-160	5	30				
Isobutyl Alcohol	80	80	44-158	4	30				
Methacrylonitrile	98	97	54-142	4	30				
Methyl Iodide	107	107	52-139	3	30				
Methyl Methacrylate	98	92	42-134	9	30				
4-Methyl-2-pentanone	74	72	46-139	6	30				
Methylene Chloride	106	107	60-149	2	30				
Pentachloroethane	106	109	35-145	1	30				
Propionitrile	84	83	40-151	4	30				
Styrene	98	92	35-134	9	30				
1,1,1,2-Tetrachloroethane	105	104	55-139	4	30				
1,1,2,2-Tetrachloroethane	96	100	29-182	1	30				
Tetrachloroethene	106	105	42-149	4	30				
Toluene	103	104	50-146	3	30				
1,1,1-Trichloroethane	100	97	52-146	7	30				
1,1,2-Trichloroethane	103	101	58-152	5	30				
Trichloroethene	109	122	53-144	7	30				
Trichlorofluoromethane	118	112	47-163	9	30				
1,2,3-Trichloropropane	102	108	36-180	2	30				
Vinyl Acetate	56	54	21-139	1	30				
Vinyl Chloride	103	101	50-154	5	30				
Xylene (Total)	101	99	44-136	6	30				

Batch number: A143521AA

Sample number(s): 7711207-7711208 BKG: 7711207

Acetone	20		19		6 (1)	30
Acetonitrile	21	U	21	U	0 (1)	30
Acrolein	17	U	17	U	0 (1)	30
Acrylonitrile	3	U	3	U	0 (1)	30
Allyl Chloride	0.8	U	0.8	U	0 (1)	30
Benzene	0.4	U	0.4	U	0 (1)	30
Bromodichloromethane	0.8	U	0.8	U	0 (1)	30

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Quality Control Summary

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Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>		<u>DUP</u> <u>Conc</u>		<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Bromoform	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Bromomethane	2	U	2	U	0	2	U	2	U	0 (1)	30
2-Butanone	3	U	3	U	0	3	U	3	U	0 (1)	30
Carbon Disulfide	0.8	U	2	J	200*	0.8	U	2	J	200* (1)	30
Carbon Tetrachloride	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
2-Chloro-1,3-butadiene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Chlorobenzene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Chloroethane	2	U	2	U	0	2	U	2	U	0 (1)	30
Chloroform	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Chloromethane	2	U	2	U	0	2	U	2	U	0 (1)	30
1,2-Dibromo-3-chloropropane	2	U	2	U	0	2	U	2	U	0 (1)	30
Dibromochloromethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,2-Dibromoethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Dibromomethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
trans-1,4-Dichloro-2-butene	8	U	8	U	0	8	U	8	U	0 (1)	30
Dichlorodifluoromethane	2	U	2	U	0	2	U	2	U	0 (1)	30
1,1-Dichloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,2-Dichloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,1-Dichloroethene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
cis-1,2-Dichloroethene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
trans-1,2-Dichloroethene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,2-Dichloropropane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
cis-1,3-Dichloropropene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
trans-1,3-Dichloropropene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Ethyl Methacrylate	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Ethylbenzene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
2-Hexanone	2	U	2	U	0	2	U	2	U	0 (1)	30
Isobutyl Alcohol	83	U	83	U	0	83	U	83	U	0 (1)	30
Methacrylonitrile	4	U	4	U	0	4	U	4	U	0 (1)	30
Methyl Iodide	2	U	2	U	0	2	U	2	U	0 (1)	30
Methyl Methacrylate	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
4-Methyl-2-pentanone	2	U	2	U	0	2	U	2	U	0 (1)	30
Methylene Chloride	2	U	2	U	0	2	U	2	U	0 (1)	30
Pentachloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Propionitrile	25	U	25	U	0	25	U	25	U	0 (1)	30
Styrene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,1,1,2-Tetrachloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,1,2,2-Tetrachloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Tetrachloroethene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Toluene	0.8	U	1	J	200*	0.8	U	1	J	200* (1)	30
1,1,1-Trichloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
1,1,2-Trichloroethane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Trichloroethene	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Trichlorofluoromethane	2	U	2	U	0	2	U	2	U	0 (1)	30
1,2,3-Trichloropropane	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Vinyl Acetate	2	U	2	U	0	2	U	2	U	0 (1)	30
Vinyl Chloride	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30
Xylene (Total)	0.8	U	0.8	U	0	0.8	U	0.8	U	0 (1)	30

Batch number: T143501AA

Sample number(s): 7711210 BKG: P708021

Acrolein	40	U	40	U	0	40	U	40	U	0 (1)	30
Acrylonitrile	4	U	4	U	0	4	U	4	U	0 (1)	30

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Quality Control Summary

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Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Batch number: Y143541AA	Sample number(s): 7711209 BKG: P714499								
Acetone						21	22	1 (1)	30
Acetonitrile						25	U 25	U 0 (1)	30
Acrolein						40	U 40	U 0 (1)	30
Acrylonitrile						4	U 4	U 0 (1)	30
Allyl Chloride						1	U 1	U 0 (1)	30
Benzene						0.8	J 0.7	J 3 (1)	30
Bromodichloromethane						0.6	J 0.6	J 3 (1)	30
Bromoform						0.5	U 0.5	U 0 (1)	30
Bromomethane						0.5	U 0.5	U 0 (1)	30
2-Butanone						5	J 5	J 2 (1)	30
Carbon Disulfide						1	U 1	U 0 (1)	30
Carbon Tetrachloride						0.5	U 0.5	U 0 (1)	30
2-Chloro-1,3-butadiene						1	U 1	U 0 (1)	30
Chlorobenzene						0.5	U 0.5	U 0 (1)	30
Chloroethane						0.5	U 0.5	U 0 (1)	30
Chloroform						4	4	2 (1)	30
Chloromethane						0.5	U 0.5	U 0 (1)	30
1,2-Dibromo-3-chloropropane						2	U 2	U 0 (1)	30
Dibromochloromethane						0.5	U 0.5	U 0 (1)	30
1,2-Dibromoethane						0.5	U 0.5	U 0 (1)	30
Dibromomethane						0.5	U 0.5	U 0 (1)	30
trans-1,4-Dichloro-2-butene						15	U 15	U 0 (1)	30
Dichlorodifluoromethane						0.5	U 0.5	U 0 (1)	30
1,1-Dichloroethane						0.5	U 0.5	U 0 (1)	30
1,2-Dichloroethane						0.5	U 0.5	U 0 (1)	30
1,1-Dichloroethene						0.5	U 0.5	U 0 (1)	30
cis-1,2-Dichloroethene						0.5	U 0.5	U 0 (1)	30
trans-1,2-Dichloroethene						0.5	U 0.5	U 0 (1)	30
1,2-Dichloropropane						0.5	U 0.5	U 0 (1)	30
cis-1,3-Dichloropropene						0.5	U 0.5	U 0 (1)	30
trans-1,3-Dichloropropene						0.5	U 0.5	U 0 (1)	30
Ethyl Methacrylate						1	U 1	U 0 (1)	30
Ethylbenzene						2	2	4 (1)	30
2-Hexanone						3	U 3	U 0 (1)	30
Isobutyl Alcohol						100	U 100	U 0 (1)	30
Methacrylonitrile						10	U 10	U 0 (1)	30
Methyl Iodide						0.5	U 0.5	U 0 (1)	30
Methyl Methacrylate						1	U 1	U 0 (1)	30
4-Methyl-2-pentanone						3	U 3	U 0 (1)	30
Methylene Chloride						2	U 2	U 0 (1)	30
Pentachloroethane						1	U 1	U 0 (1)	30
Propionitrile						30	U 30	U 0 (1)	30
Styrene						1	U 1	U 0 (1)	30
1,1,1,2-Tetrachloroethane						0.5	U 0.5	U 0 (1)	30
1,1,2,2-Tetrachloroethane						0.5	U 0.5	U 0 (1)	30
Tetrachloroethene						0.5	U 0.5	U 0 (1)	30
Toluene						7	7	4	30
1,1,1-Trichloroethane						0.5	U 0.5	U 0 (1)	30
1,1,2-Trichloroethane						0.5	U 0.5	U 0 (1)	30
Trichloroethene						0.5	U 0.5	U 0 (1)	30

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Trichlorofluoromethane						0.5	U	0.5	U	0 (1)
1,2,3-Trichloropropane						1	U	1	U	0 (1)
Vinyl Acetate						2	U	2	U	0 (1)
Vinyl Chloride						0.5	U	0.5	U	0 (1)
Xylene (Total)						13		12		3

Batch number: 14350SLB026 Sample number(s): 7711193-7711195,7711197-7711207 UNSPK: 7711193

Acenaphthene	96	98	55-132	3	30					
Acenaphthylene	102	105	53-143	3	30					
Acetophenone	94	95	67-111	1	30					
2-Acetylaminofluorene	94	100	48-138	7	30					
4-Aminobiphenyl	13	25	10-80	64*	30					
Aniline	32	40	23-96	23	30					
Anthracene	98	102	42-147	5	30					
Benzo(a)anthracene	97	96	32-150	1	30					
Benzo(a)pyrene	98	98	36-151	1	30					
Benzo(b)fluoranthene	105	105	29-150	1	30					
Benzo(g,h,i)perylene	99	99	41-147	1	30					
Benzo(k)fluoranthene	91	92	35-146	1	30					
Benzyl alcohol	102	103	69-131	1	30					
1,1'-Biphenyl	89	92	57-123	4	30					
4-Bromophenyl-phenylether	98	99	58-142	2	30					
Butylbenzylphthalate	97	101	50-137	5	30					
Di-n-butylphthalate	100	103	57-130	3	30					
4-Chloro-3-methylphenol	107	108	39-150	1	30					
4-Chloroaniline	20	31	10-100	46*	30					
Chlorobenzilate	109	114	79-128	5	30					
bis(2-Chloroethoxy)methane	90	93	54-128	4	30					
bis(2-Chloroethyl)ether	121*	134*	69-114	10	30					
bis(2-Chloroisopropyl)ether	96	96	62-120	1	30					
2-Chloronaphthalene	98	99	40-156	2	30					
2-Chlorophenol	106	107	35-152	1	30					
4-Chlorophenyl-phenylether	96	98	56-130	3	30					
Chrysene	90	92	28-146	3	30					
Diallate TRANS/CIS	101	105	45-145	4	30					
Dibenz(a,h)anthracene	102	103	54-142	1	30					
Dibenzofuran	94	96	46-137	3	30					
1,2-Dichlorobenzene	95	97	45-133	2	30					
1,3-Dichlorobenzene	94	97	45-129	4	30					
1,4-Dichlorobenzene	93	96	44-132	3	30					
3,3'-Dichlorobenzidine	13	58	10-143	125*	30					
2,4-Dichlorophenol	101	101	39-153	1	30					
2,6-Dichlorophenol	105	108	56-133	3	30					
Diethylphthalate	95	98	54-127	3	30					
Dimethoate	85	89	39-178	6	30					
p-Dimethylaminoazobenzene	93	104	77-123	11	30					
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30					
7,12-Dimethylbenz[a]anthracene	94	98	44-139	5	30					
2,4-Dimethylphenol	98	100	38-140	3	30					
Dimethylphthalate	95	97	45-135	2	30					
4,6-Dinitro-2-methylphenol	103	107	10-148	4	30					
1,3-Dinitrobenzene	96	100	73-116	6	30					

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,4-Dinitrophenol	105	112	20-143	7	30				
2,4-Dinitrotoluene	98	101	39-144	3	30				
2,6-Dinitrotoluene	103	107	54-134	4	30				
1,4-Dioxane	61	66	10-98	8	30				
Diphenyl ether	92	95	54-125	4	30				
Ethyl methanesulfonate	74	94	44-120	25	30				
bis(2-Ethylhexyl)phthalate	101	105	52-138	4	30				
Fluoranthene	95	97	41-135	2	30				
Fluorene	95	99	55-128	4	30				
Hexachlorobenzene	92	95	46-132	3	30				
Hexachlorobutadiene	93	95	65-125	3	30				
Hexachlorocyclopentadiene	77	102	10-153	29	30				
Hexachloroethane	95	97	24-138	3	30				
Hexachloropropene	89	102	39-124	14	30				
Indeno(1,2,3-cd)pyrene	98	100	44-147	2	30				
Isodrin	91	103	10-143	13	30				
Isophorone	101	103	68-119	2	30				
Isosafrole	102	107	69-135	5	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	36	77	10-134	73*	30				
3-Methylcholanthrene	104	109	65-123	5	30				
2-Methylnaphthalene	96	95	39-140	0	30				
2-Methylphenol	108	109	36-149	1	30				
4-Methylphenol	94	96	29-143	2	30				
Naphthalene	95	95	44-142	1	30				
1,4-Naphthoquinone	90	91	70-130	1	30				
1-Naphthylamine	5*	31	10-92	141*	30				
2-Naphthylamine	0*	13	10-71	200*	30				
5-Nitro-o-toluidine	71	89	33-107	23	30				
2-Nitroaniline	111	115	64-131	4	30				
3-Nitroaniline	53	76	31-145	36*	30				
4-Nitroaniline	69	83	30-131	20	30				
Nitrobenzene	93	96	41-141	4	30				
2-Nitrophenol	104	105	45-146	1	30				
4-Nitrophenol	108	109	25-142	2	30				
4-Nitroquinoline-1-oxide	47	62	10-160	27	30				
N-Nitroso-di-n-propylamine	97	99	58-126	3	30				
N-Nitrosodi-n-butylamine	99	99	38-136	1	30				
N-Nitrosodiethylamine	95	99	56-112	5	30				
N-Nitrosodimethylamine	88	95	61-110	8	30				
N-Nitrosodiphenylamine	95	99	59-135	5	30				
N-Nitrosomethylethylamine	89	92	54-118	4	30				
N-Nitrosomorpholine	98	99	72-121	2	30				
N-Nitrosopiperidine	97	99	48-131	3	30				
N-Nitrosopyrrolidine	102	105	59-131	4	30				
Di-n-octylphthalate	116	122	54-151	6	30				
Pentachlorobenzene	92	97	69-119	6	30				
Pentachloronitrobenzene	100	103	78-116	3	30				
Pentachlorophenol	107	107	23-145	1	30				
Phenacetin	98	103	69-121	6	30				
Phenanthrene	89	90	42-141	2	30				
Phenol	97	98	61-130	2	30				

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Picoline	53*	66	55-104	23	30				
Pronamide	101	105	69-130	5	30				
Pyrene	95	95	37-140	1	30				
Pyridine	62	71	16-108	13	30				
Safrole	96	97	76-114	2	30				
1,2,4,5-Tetrachlorobenzene	91	93	71-120	3	30				
2,3,4,6-Tetrachlorophenol	103	108	62-132	5	30				
Tetraethyldithiopyrophosphate	94	98	76-126	5	30				
Thionazin	105	110	65-123	6	30				
o-Toluidine	58	67	21-84	16	30				
1,2,4-Trichlorobenzene	96	98	50-139	3	30				
2,4,5-Trichlorophenol	102	105	64-131	4	30				
2,4,6-Trichlorophenol	107	112	60-136	5	30				
O,O,O-Triethylphosphorothioate	95	94	70-119	0	30				
1,3,5-Trinitrobenzene	68	75	10-113	10	30				

Batch number: 14354SLF026	Sample number(s): 7711185-7711192,7711208	UNSPK: P709595			
Acenaphthene	93	92	55-132	1	30
Acenaphthylene	102	101	53-143	2	30
Acetophenone	84	83	67-111	1	30
2-Acetylaminofluorene	108	104	48-138	3	30
4-Aminobiphenyl	32	32	10-80	0	30
Aniline	49	48	23-96	3	30
Anthracene	95	94	42-147	1	30
Benzo(a)anthracene	94	93	32-150	2	30
Benzo(a)pyrene	95	95	36-151	0	30
Benzo(b)fluoranthene	101	101	29-150	0	30
Benzo(g,h,i)perylene	94	94	41-147	0	30
Benzo(k)fluoranthene	88	91	35-146	3	30
Benzyl alcohol	92	91	69-131	0	30
1,1'-Biphenyl	91	89	57-123	1	30
4-Bromophenyl-phenylether	94	94	58-142	0	30
Butylbenzylphthalate	100	99	50-137	1	30
Di-n-butylphthalate	101	100	57-130	1	30
4-Chloro-3-methylphenol	93	95	39-150	1	30
4-Chloroaniline	52	50	10-100	3	30
Chlorobenzilate	111	113	79-128	2	30
bis(2-Chloroethoxy)methane	89	91	54-128	2	30
bis(2-Chloroethyl)ether	87	88	69-114	1	30
bis(2-Chloroisopropyl)ether	90	90	62-120	0	30
2-Chloronaphthalene	86	87	40-156	0	30
2-Chlorophenol	98	99	35-152	0	30
4-Chlorophenyl-phenylether	92	90	56-130	2	30
Chrysene	92	90	28-146	2	30
Diallate TRANS/CIS	100	102	45-145	1	30
Dibenz(a,h)anthracene	100	98	54-142	2	30
Dibenzofuran	90	89	46-137	1	30
1,2-Dichlorobenzene	92	90	45-133	1	30
1,3-Dichlorobenzene	92	91	45-129	1	30
1,4-Dichlorobenzene	93	92	44-132	1	30
3,3'-Dichlorobenzidine	64	58	10-143	9	30
2,4-Dichlorophenol	94	96	39-153	2	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,6-Dichlorophenol	97	100	56-133	3	30				
Diethylphthalate	93	92	54-127	1	30				
Dimethoate	86	86	39-178	0	30				
p-Dimethylaminoazobenzene	99	100	77-123	1	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	97	97	44-139	1	30				
2,4-Dimethylphenol	88	90	38-140	2	30				
Dimethylphthalate	94	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	99	99	10-148	0	30				
1,3-Dinitrobenzene	96	96	73-116	0	30				
2,4-Dinitrophenol	98	95	20-143	3	30				
2,4-Dinitrotoluene	95	95	39-144	0	30				
2,6-Dinitrotoluene	102	100	54-134	3	30				
1,4-Dioxane	69	69	10-98	0	30				
Diphenyl ether	95	94	54-125	1	30				
Ethyl methanesulfonate	23*	30*	44-120	26	30				
bis(2-Ethylhexyl)phthalate	102	100	52-138	2	30				
Fluoranthene	90	89	41-135	2	30				
Fluorene	92	90	55-128	2	30				
Hexachlorobenzene	88	88	46-132	0	30				
Hexachlorobutadiene	91	91	65-125	1	30				
Hexachlorocyclopentadiene	108	109	10-153	1	30				
Hexachloroethane	92	92	24-138	1	30				
Hexachloropropene	95	98	39-124	3	30				
Indeno(1,2,3-cd)pyrene	95	94	44-147	1	30				
Isodrin	95	95	10-143	0	30				
Isophorone	93	94	68-119	1	30				
Isosafrole	106	106	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	106	108	65-123	1	30				
2-Methylnaphthalene	89	90	39-140	2	30				
2-Methylphenol	95	96	36-149	1	30				
4-Methylphenol	86	85	29-143	0	30				
Naphthalene	92	92	44-142	1	30				
1,4-Naphthoquinone	98	99	70-130	1	30				
1-Naphthylamine	11	10	10-92	9	30				
2-Naphthylamine	7*	0*	10-71	200*	30				
5-Nitro-o-toluidine	90	87	33-107	4	30				
2-Nitroaniline	109	108	64-131	1	30				
3-Nitroaniline	70	63	31-145	10	30				
4-Nitroaniline	79	76	30-131	4	30				
Nitrobenzene	88	89	41-141	1	30				
2-Nitrophenol	100	103	45-146	3	30				
4-Nitrophenol	108	102	25-142	5	30				
4-Nitroquinoline-1-oxide	109	104	10-160	4	30				
N-Nitroso-di-n-propylamine	86	86	58-126	0	30				
N-Nitrosodi-n-butylamine	89	89	38-136	0	30				
N-Nitrosodiethylamine	91	91	56-112	0	30				
N-Nitrosodimethylamine	82	82	61-110	0	30				
N-Nitrosodiphenylamine	95	95	59-135	0	30				
N-Nitrosomethylethylamine	83	83	54-118	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
N-Nitrosomorpholine	88	89	72-121	1	30				
N-Nitrosopiperidine	94	96	48-131	1	30				
N-Nitrosopyrrolidine	91	92	59-131	1	30				
Di-n-octylphthalate	114	117	54-151	3	30				
Pentachlorobenzene	91	92	69-119	1	30				
Pentachloronitrobenzene	96	98	78-116	3	30				
Pentachlorophenol	82	79	23-145	4	30				
Phenacetin	100	99	69-121	2	30				
Phenanthrene	80	79	42-141	1	30				
Phenol	89	88	61-130	1	30				
2-Picoline	70	70	55-104	0	30				
Pronamide	105	104	69-130	1	30				
Pyrene	87	87	37-140	1	30				
Pyridine	68	69	16-108	1	30				
Safrole	92	95	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	90	89	71-120	2	30				
2,3,4,6-Tetrachlorophenol	97	94	62-132	3	30				
Tetraethylthiopyrophosphate	92	95	76-126	3	30				
Thionazin	102	101	65-123	1	30				
o-Toluidine	48	46	21-84	3	30				
1,2,4-Trichlorobenzene	93	94	50-139	1	30				
2,4,5-Trichlorophenol	98	97	64-131	1	30				
2,4,6-Trichlorophenol	104	103	60-136	1	30				
O,O,O-Triethylphosphorothioate	92	93	70-119	2	30				
1,3,5-Trinitrobenzene	81	82	10-113	1	30				
Batch number: 143530007A Sample number(s): 7711185-7711195,7711197-7711201 UNSPK: 7711193									
Diethylene glycol	87	85	48-124	3	20				
Ethylene glycol	92	89	68-115	3	20				
Propylene glycol	95	89	71-115	6	20				
Triethylene glycol	75	74	23-139	1	20				
Batch number: 143560028A Sample number(s): 7711202-7711208 UNSPK: 7711205									
Diethylene glycol	85	84	48-124	1	20				
Ethylene glycol	90	89	68-115	1	20				
Propylene glycol	93	92	71-115	2	20				
Triethylene glycol	73	73	23-139	0	20				
Batch number: 143500637002 Sample number(s): 7711185-7711192 UNSPK: P709595 BKG: P709595									
Barium	98	95	75-125	2	20	45.8	44.7	2	20
Beryllium	106	105	75-125	1	20	0.881 J	0.857 J	3 (1)	20
Cadmium	95	95	75-125	0	20	0.0723 J	0.0723 J	0 (1)	20
Chromium	97	97	75-125	0	20	3.30	3.11	6 (1)	20
Cobalt	95	94	75-125	1	20	3.05	2.82	8 (1)	20
Copper	103	101	75-125	2	20	2.29	2.10	8 (1)	20
Nickel	95	95	75-125	0	20	3.20	3.23	1 (1)	20
Silver	93	92	75-125	1	20	0.188 U	0.188 U	0 (1)	20
Tin	90	90	75-125	0	20	2.27 J	2.37 J	5 (1)	20
Vanadium	100	99	75-125	1	20	10.8	10.9	1	20
Zinc	100	97	75-125	2	20	24.4	23.3	5	20
Batch number: 143500637002A Sample number(s): 7711185-7711192 UNSPK: P709595 BKG: P709595									

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Quality Control Summary

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Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Antimony	52*	57*	75-125	9	20	0.0836 U	0.0836 U	0 (1)	20
Arsenic	99	88	75-125	9	20	0.892	0.722 J	21* (1)	20
Lead	152*	80	75-125	19	20	7.59	7.59	0	20
Thallium	93	88	75-125	3	20	0.287	0.238	18 (1)	20
Batch number: 143500637002B	Sample number(s): 7711185-7711192 UNSPK: P709595 BKG: P709595								
Selenium	99	98	75-125	0	20	0.200 J	0.174 J	14 (1)	20
Batch number: 143500638001	Sample number(s): 7711185-7711192 UNSPK: P709595 BKG: P709595								
Mercury	109	100	75-125	6	20	0.0096 U	0.0097 U	0 (1)	20
Batch number: 143510637006	Sample number(s): 7711193-7711208 UNSPK: 7711193 BKG: 7711193								
Barium	101	99	75-125	2	20	29.3	28.7	2	20
Beryllium	107	105	75-125	2	20	0.694 J	0.650 J	7 (1)	20
Cadmium	98	97	75-125	1	20	0.0743 J	0.0832 J	11 (1)	20
Chromium	99	98	75-125	1	20	4.45	4.65	4 (1)	20
Cobalt	98	97	75-125	1	20	2.15	2.13	1 (1)	20
Copper	104	104	75-125	0	20	4.15	4.08	2 (1)	20
Nickel	95	93	75-125	2	20	16.0	16.1	1	20
Silver	102	101	75-125	1	20	0.283 J	0.227 J	22* (1)	20
Tin	94	92	75-125	1	20	2.56 J	2.69 J	5 (1)	20
Vanadium	101	99	75-125	2	20	10.2	10.8	6	20
Zinc	100	101	75-125	1	20	18.2	18.0	1 (1)	20
Batch number: 143510637006A	Sample number(s): 7711193-7711208 UNSPK: 7711193 BKG: 7711193								
Antimony	101	-19*	75-125	200*	20	0.227 J	0.243 J	7 (1)	20
Arsenic	101	-27*	75-125	102*	20	1.75	1.73	1 (1)	20
Lead	40*	-95*	75-125	42*	20	10.4	9.33	11	20
Thallium	90	25*	75-125	67*	20	0.159 J	0.173 J	8 (1)	20
Batch number: 143510637006B	Sample number(s): 7711193-7711208 UNSPK: 7711193 BKG: 7711193								
Selenium	108	-5*	75-125	168*	20	0.311 J	0.283 J	9 (1)	20
Batch number: 143510638001	Sample number(s): 7711193-7711208 UNSPK: 7711193 BKG: 7711193								
Mercury	101	95	75-125	6	20	0.0281 J	0.0265 J	6 (1)	20
Batch number: 14352820006A	Sample number(s): 7711185-7711192 BKG: 7711185								
Moisture						13.6	13.5	1	5
Batch number: 14352820006B	Sample number(s): 7711193-7711207 BKG: 7711193								
Moisture						16.1	16.2	0	5
Moisture						16.1	16.2	0	5
Moisture Duplicate						16.1	16.2	0	5
Batch number: 14352820007A	Sample number(s): 7711208 BKG: P711211								
Moisture						14.4	13.5	6*	5

Surrogate Quality Control

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: A143511AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711185	105	104	94	97
7711186	106	102	97	95
7711187	106	102	96	96
7711188	107	104	93	96
7711189	104	103	95	92
7711190	108	105	94	92
7711191	107	102	97	92
7711192	108	104	96	91
7711193	107	102	94	93
7711194	103	100	100	100
7711195	103	103	103	94
7711197	104	102	96	96
7711198	107	103	93	96
7711199	107	101	92	96
7711200	106	102	93	95
7711201	106	103	92	94
7711202	107	104	91	96
7711203	107	104	91	98
7711204	107	104	94	93
7711205	107	103	91	96
7711206	109	106	93	93
Blank	106	102	94	94
LCS	102	98	95	94
MS	103	100	100	100
MSD	103	103	103	94
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles
Batch number: A143521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711207	106	100	95	92
7711208	107	104	93	96
Blank	105	101	96	96
DUP	108	100	92	93
LCS	105	101	100	102
LCSD	103	98	100	101
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143501AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711210	105	101	98	89
Blank	104	100	97	93
DUP	108	96	98	92
LCS	110	105	99	95
LCSD	107	100	99	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX Volatiles
Batch number: Y143541AA

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7711209	96	99	100	98
Blank	96	98	100	98
DUP	99	100	99	101
LCS	96	99	100	98
LCSD	96	101	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14350SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7711193	93	97	92	85	89	107
7711194	97	99	94	91	90	110
7711195	99	102	99	94	93	112
7711197	95	98	94	90	91	114
7711198	93	95	92	85	88	113
7711199	94	97	93	87	91	111
7711200	99	102	95	68	92	110
7711201	92	94	91	86	90	107
7711202	95	97	92	88	91	111
7711203	94	97	91	89	91	110
7711204	94	98	95	90	93	111
7711205	95	96	92	86	89	110
7711206	94	97	92	87	89	111
7711207	95	97	89	86	88	109
Blank	90	96	95	91	97	115
LCS	97	100	100	94	93	110
MS	97	99	94	91	90	110
MSD	99	102	99	94	93	112
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14354SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7711185	86	91	87	89	93	103
7711186	84	90	83	82	93	99
7711187	86	92	88	89	93	102
7711188	85	89	87	87	91	99
7711189	86	91	83	85	92	97
7711190	83	89	84	85	91	98
7711191	87	93	88	82	94	112
7711192	88	93	86	84	94	101
7711208	84	89	82	85	92	97
Blank	86	93	89	91	96	137
LCS	94	99	88	95	97	107
MS	85	90	82	86	90	98
MSD	86	92	83	89	92	100
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: 4 Gylcol Compounds
Batch number: 143530007A
Tetramethylene glycol

7711185	82
7711186	88
7711187	88

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:22 PM

Group Number: 1525391

Surrogate Quality Control

7711188	94
7711189	83
7711190	93
7711191	93
7711192	94
7711193	81
7711194	84
7711195	82
7711197	96
7711198	91
7711199	85
7711200	89
7711201	86
Blank	96
LCS	100
MS	84
MSD	82

Limits: 71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143560028A
Tetramethylene glycol

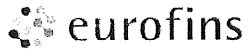
7711202	81
7711203	80
7711204	77
7711205	80
7711206	84
7711207	79
7711208	83
Blank	98
LCS	100
MS	84
MSD	83

Limits: 71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1525391 Sample Nos.: 7711185-210
Acc't: 06643 SF: 219983 SGR No.: 164179 Cooler No.: C27784 **30766**
Cooler Temperature upon receipt: 1.2 °C Container No.: 34

12/13/14
12/13/14

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:								
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																				
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																				
1300 Staton Road		Release No.:																				
Cedar Mountain NC 28718		PO Number: LBIO-67047																				
Sampler(s): <u>K. STUART, M. JOHNSON</u>		Project Name: SOIL 2014																				
				Containers			APPX VOAs (8260)											Soils				
Sample Identification				Date Collected	Time Collected	Matrix		Volume (ml)	Preserv	No.											Condition upon receipt:	
SSP14-SWMU13-SS-1				<u>12/11/14</u>	<u>1148</u>	SW		40	MeOH	1	X											<u>Intact</u>
SSP14-SWMU13-SS-1				<u>12/11/14</u>	<u>1148</u>	SW		40	NaHSO4	2	X											
SSP14-SWMU13-SS-2				<u>12/11/14</u>	<u>1202</u>	SW		40	MeOH	1	X											
SSP14-SWMU13-SS-2				<u>12/11/14</u>	<u>1202</u>	SW		40	NaHSO4	2	X											
SSP14-SWMU13-SS-3				<u>12/11/14</u>	<u>0925</u>	SW		40	MeOH	1	X											
SSP14-SWMU13-SS-3				<u>12/11/14</u>	<u>0925</u>	SW		40	NaHSO4	2	X											
SSP14-SWMU13-SS-4				<u>12/11/14</u>	<u>1029</u>	SW		40	MeOH	1	X											
SSP14-SWMU13-SS-4				<u>12/11/14</u>	<u>1029</u>	SW		40	NaHSO4	2	X											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:												
Bottles Relinquished by: <u>[Signature]</u>				Date: <u>12/12/14</u>	Time: <u>1600</u>	Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:	Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:	Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:	Bottles Received by: <u>[Signature]</u>				Date: <u>12/12/14</u>	Time: <u>1200</u>											



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1525391 Sample Nos.: 771185-210

Acc't: 06643 SF: 219983 SCR No.: 164179

Cooler No.: C27784 **30766**

Cooler Temperature upon receipt: 1.2 °C

Container No.: 34 012/13/14

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>K. STUART, M. JARSON</u>		Project Name: SOIL 2014			APPIX VOAs (8260)											Soils Condition upon receipt: <u>INTACT</u>			
Sample Identification	Date Collected	Time Collected	Matrix	Containers															
				Volume (ml)		Preserv	No.												
SSP14-SWMU13-SS-9	<u>12/11/14</u>	<u>1430</u>	SW	40		MeOH	1	X											
SSP14-SWMU13-SS-9	<u>12/11/14</u>	<u>1430</u>	SW	40		NaHSO4	2	X											
SSP14-SWMU13-SS-10	<u>12/11/14</u>	<u>1457</u>	SW	40	MeOH	1	X												
SSP14-SWMU13-SS-10	<u>12/11/14</u>	<u>1457</u>	SW	40	NaHSO4	2	X												

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
<u>Mark</u>		<u>12/12/14</u>	<u>1600</u>	<u>[Signature]</u>			
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
				<u>[Signature]</u>		<u>12/12/14</u>	<u>2100</u>



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1525391 Sample Nos.: 711185-210
 Acc't: 06643 SF: 219983 SCR No.: 164179 Cooler No.: C27784 **30766**
 Cooler Temperature upon receipt: 1.2 °C Container No.: 34 **12/13/14**

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>H. STUART, M. JOHNSON</u>																			
Project Name: SOIL 2014					APPIX VOAS (8260)										Soils Condition upon receipt: <u>Intact</u>				
Sample Identification	Date Collected	Time Collected	Matrix	Containers															
				Volume (ml)													Preserv	No.	
SSP14-SWMU14-SS-5	<u>12/12/14</u>	<u>0828</u>	SW	40													MeOH	1	X
SSP14-SWMU14-SS-5	<u>12/12/14</u>	<u>0828</u>	SW	40													NaHSO4	2	X
SSP14-SWMU14-SS-6	<u>12/12/14</u>	<u>0927</u>	SW	40													MeOH	1	X
SSP14-SWMU14-SS-6	<u>12/12/14</u>	<u>0927</u>	SW	40													NaHSO4	2	X
SSP14-SWMU14-SS-7	<u>12/11/14</u>	<u>1648</u>	SW	40													MeOH	1	X
SSP14-SWMU14-SS-7	<u>12/11/14</u>	<u>1648</u>	SW	40													NaHSO4	2	X
SSP14-SWMU14-SS-8	<u>12/11/14</u>	<u>1632</u>	SW	40													MeOH	1	X
SSP14-SWMU14-SS-8	<u>12/11/14</u>	<u>1632</u>	SW	40	NaHSO4	2	X												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:												
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/12/14</u>	Time: <u>1600</u>	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>			Date: <u>12/12/14</u>	Time: <u>2200</u>											

Client: Dupont Brevard**SOIL 2014****Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 12/12/2014 22:00
 Number of Packages: 5 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Trip Blank Type(s): 4 HCl + 4 Unpres.

*Unpacked by Wesley Miller (2308) at 09:19 on 12/13/2014***Samples Chilled Details: SOIL 2014**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.4	DT	Wet	Y	Loose	N
2	DT121	2.0	DT	Wet	Y	Loose	N
3	DT121	0.7	DT	Wet	Y	Loose	N
4	DT121	1.2	DT	Wet	Y	Loose	N
5	DT121	0.2	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details: SOIL 2014

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-SWMU16-SS-1 0	2	5	Did not receive soil vials

General Comments: 2 soil jars of SSP14-SWMU13-SS-8 sample id on label blank

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns $>25\%$
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is $<$ CRDL, but \geq IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
AECOM
Sabre Building
4051 Ogletown Road, Suite 300
Newark DE 19713

February 20, 2015

Project: BRE - SOIL

Submittal Date: 02/11/2015

Group Number: 1537738

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SWMU16-SS-10 Soil
SSP14-SWMU16-SS-10 MS Soil
SSP14-SWMU16-SS-10 MSD Soil
EB-SS-09-021015 Blank Water
EB-SS-09-021015-A Blank Water
TB-SS-09-021015 Blank Water
TB-SS-09-021015-A Blank Water

Lancaster Labs (LL) #

7768575
7768576
7768577
7768578
7768579
7768580
7768581

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7768575
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	22	7	20	0.84
10237	Acetonitrile	75-05-8	25 U	25	98	0.84
10237	Acrolein	107-02-8	20 U	20	98	0.84
10237	Acrylonitrile	107-13-1	4 U	4	20	0.84
10237	Allyl Chloride	107-05-1	1 U	1	5	0.84
10237	Benzene	71-43-2	0.5 U	0.5	5	0.84
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.84
10237	Bromoform	75-25-2	1 U	1	5	0.84
10237	Bromomethane	74-83-9	2 U	2	5	0.84
10237	2-Butanone	78-93-3	4 U	4	10	0.84
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.84
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.84
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.84
10237	Chlorobenzene	108-90-7	1 U	1	5	0.84
10237	Chloroethane	75-00-3	2 U	2	5	0.84
10237	Chloroform	67-66-3	1 U	1	5	0.84
10237	Chloromethane	74-87-3	2 U	2	5	0.84
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.84
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.84
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.84
10237	Dibromomethane	74-95-3	1 U	1	5	0.84
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.84
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.84
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.84
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.84
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.84
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.84
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.84
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.84
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.84
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.84
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.84
10237	Ethylbenzene	100-41-4	1 U	1	5	0.84
10237	2-Hexanone	591-78-6	3 U	3	10	0.84
10237	Isobutyl Alcohol	78-83-1	98 U	98	250	0.84
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.84
10237	Methyl Iodide	74-88-4	3 U	3	5	0.84
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.84
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.84
10237	Methylene Chloride	75-09-2	2 U	2	5	0.84
10237	Pentachloroethane	76-01-7	1 U	1	5	0.84
10237	Propionitrile	107-12-0	29 U	29	98	0.84
10237	Styrene	100-42-5	1 U	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.84
10237	1,1,2,2-Tetrachloroethane	79-34-5	1 U	1	5	0.84
10237	Tetrachloroethene	127-18-4	2 J	1	5	0.84
10237	Toluene	108-88-3	1 U	1	5	0.84
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.84
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.84
10237	Trichloroethene	79-01-6	1 U	1	5	0.84
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.84

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 Soil
SOIL 2014

LL Sample # SW 7768575
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.84
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.84
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.84
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.84
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X150431AB	02/20/2015 13:29	Chelsea B Stong	0.84
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201504236796	02/10/2015 15:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	15044820001B	02/13/2015 17:26	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 MS Soil
SOIL 2014

LL Sample # SW 7768576
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	340	7	20	0.84
10237	Acetonitrile	75-05-8	110	22	89	0.76
10237	Acrolein	107-02-8	140	20	99	0.84
10237	Acrylonitrile	107-13-1	170	4	20	0.84
10237	Allyl Chloride	107-05-1	42	1	5	0.84
10237	Benzene	71-43-2	40	0.5	5	0.84
10237	Bromodichloromethane	75-27-4	31	1	5	0.84
10237	Bromoform	75-25-2	21	1	5	0.84
10237	Bromomethane	74-83-9	47	2	5	0.84
10237	2-Butanone	78-93-3	270	4	10	0.84
10237	Carbon Disulfide	75-15-0	47	1	5	0.84
10237	Carbon Tetrachloride	56-23-5	41	1	5	0.84
10237	2-Chloro-1,3-butadiene	126-99-8	33	1	5	0.84
10237	Chlorobenzene	108-90-7	27	1	5	0.84
10237	Chloroethane	75-00-3	47	2	5	0.84
10237	Chloroform	67-66-3	40	1	5	0.84
10237	Chloromethane	74-87-3	46	2	5	0.84
10237	1,2-Dibromo-3-chloropropane	96-12-8	22	2	5	0.84
10237	Dibromochloromethane	124-48-1	26	1	5	0.84
10237	1,2-Dibromoethane	106-93-4	29	1	5	0.84
10237	Dibromomethane	74-95-3	31	1	5	0.84
10237	trans-1,4-Dichloro-2-butene	110-57-6	110	10	49	0.84
10237	Dichlorodifluoromethane	75-71-8	47	2	5	0.84
10237	1,1-Dichloroethane	75-34-3	42	1	5	0.84
10237	1,2-Dichloroethane	107-06-2	34	1	5	0.84
10237	1,1-Dichloroethene	75-35-4	49	1	5	0.84
10237	cis-1,2-Dichloroethene	156-59-2	37	1	5	0.84
10237	trans-1,2-Dichloroethene	156-60-5	43	1	5	0.84
10237	1,2-Dichloropropane	78-87-5	36	1	5	0.84
10237	cis-1,3-Dichloropropene	10061-01-5	21	1	5	0.84
10237	trans-1,3-Dichloropropene	10061-02-6	22	1	5	0.84
10237	Ethyl Methacrylate	97-63-2	17	1	5	0.84
10237	Ethylbenzene	100-41-4	22	1	5	0.84
10237	2-Hexanone	591-78-6	110	3	10	0.84
10237	Isobutyl Alcohol	78-83-1	460	99	250	0.84
10237	Methacrylonitrile	126-98-7	230	5	49	0.84
10237	Methyl Iodide	74-88-4	38	3	5	0.84
10237	Methyl Methacrylate	80-62-6	21	1	5	0.84
10237	4-Methyl-2-pentanone	108-10-1	120	3	10	0.84
10237	Methylene Chloride	75-09-2	41	2	5	0.84
10237	Pentachloroethane	76-01-7	25	1	5	0.84
10237	Propionitrile	107-12-0	170	30	99	0.84
10237	Styrene	100-42-5	18	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	630-20-6	28	1	5	0.84
10237	1,1,2,2-Tetrachloroethane	79-34-5	29	1	5	0.84
10237	Tetrachloroethene	127-18-4	45	1	5	0.84
10237	Toluene	108-88-3	32	1	5	0.84
10237	1,1,1-Trichloroethane	71-55-6	39	1	5	0.84
10237	1,1,2-Trichloroethane	79-00-5	32	1	5	0.84
10237	Trichloroethene	79-01-6	38	1	5	0.84
10237	Trichlorofluoromethane	75-69-4	42	2	5	0.84

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 MS Soil
SOIL 2014

LL Sample # SW 7768576
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	29	1	5	0.84
10237	Vinyl Acetate	108-05-4	94	2	9	0.76
10237	Vinyl Chloride	75-01-4	47	1	5	0.84
10237	Xylene (Total)	1330-20-7	65	1	5	0.84
Wet Chemistry			SM 2540 G-1997	%	%	
00118	Moisture	n.a.	14.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X150431AA	02/12/2015 22:38	Christopher G Torres	0.84
10237	APPIX Volatiles	SW-846 8260B	1	X150431AA	02/12/2015 23:24	Christopher G Torres	0.76
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201504236796	02/10/2015 15:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	15044820001B	02/13/2015 17:26	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 MSD Soil
SOIL 2014

LL Sample # SW 7768577
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	210	7	19	0.8
10237	Acetonitrile	75-05-8	130	24	97	0.82
10237	Acrolein	107-02-8	120	19	94	0.8
10237	Acrylonitrile	107-13-1	120	4	19	0.8
10237	Allyl Chloride	107-05-1	23	0.9	5	0.8
10237	Benzene	71-43-2	22	0.5	5	0.8
10237	Bromodichloromethane	75-27-4	20	0.9	5	0.8
10237	Bromoform	75-25-2	16	0.9	5	0.8
10237	Bromomethane	74-83-9	17	2	5	0.8
10237	2-Butanone	78-93-3	200	4	9	0.8
10237	Carbon Disulfide	75-15-0	22	0.9	5	0.8
10237	Carbon Tetrachloride	56-23-5	21	0.9	5	0.8
10237	2-Chloro-1,3-butadiene	126-99-8	22	0.9	5	0.8
10237	Chlorobenzene	108-90-7	18	0.9	5	0.8
10237	Chloroethane	75-00-3	17	2	5	0.8
10237	Chloroform	67-66-3	22	0.9	5	0.8
10237	Chloromethane	74-87-3	19	2	5	0.8
10237	1,2-Dibromo-3-chloropropane	96-12-8	19	2	5	0.8
10237	Dibromochloromethane	124-48-1	19	0.9	5	0.8
10237	1,2-Dibromoethane	106-93-4	21	0.9	5	0.8
10237	Dibromomethane	74-95-3	21	0.9	5	0.8
10237	trans-1,4-Dichloro-2-butene	110-57-6	120	9	47	0.8
10237	Dichlorodifluoromethane	75-71-8	19	2	5	0.8
10237	1,1-Dichloroethane	75-34-3	22	0.9	5	0.8
10237	1,2-Dichloroethane	107-06-2	21	0.9	5	0.8
10237	1,1-Dichloroethene	75-35-4	23	0.9	5	0.8
10237	cis-1,2-Dichloroethene	156-59-2	23	0.9	5	0.8
10237	trans-1,2-Dichloroethene	156-60-5	23	0.9	5	0.8
10237	1,2-Dichloropropane	78-87-5	22	0.9	5	0.8
10237	cis-1,3-Dichloropropene	10061-01-5	19	0.9	5	0.8
10237	trans-1,3-Dichloropropene	10061-02-6	19	0.9	5	0.8
10237	Ethyl Methacrylate	97-63-2	21	0.9	5	0.8
10237	Ethylbenzene	100-41-4	20	0.9	5	0.8
10237	2-Hexanone	591-78-6	130	3	9	0.8
10237	Isobutyl Alcohol	78-83-1	490	94	230	0.8
10237	Methacrylonitrile	126-98-7	190	5	47	0.8
10237	Methyl Iodide	74-88-4	21	3	5	0.8
10237	Methyl Methacrylate	80-62-6	23	0.9	5	0.8
10237	4-Methyl-2-pentanone	108-10-1	130	3	9	0.8
10237	Methylene Chloride	75-09-2	23	2	5	0.8
10237	Pentachloroethane	76-01-7	17	0.9	5	0.8
10237	Propionitrile	107-12-0	150	28	94	0.8
10237	Styrene	100-42-5	18	0.9	5	0.8
10237	1,1,1,2-Tetrachloroethane	630-20-6	18	0.9	5	0.8
10237	1,1,2,2-Tetrachloroethane	79-34-5	22	0.9	5	0.8
10237	Tetrachloroethene	127-18-4	30	0.9	5	0.8
10237	Toluene	108-88-3	21	0.9	5	0.8
10237	1,1,1-Trichloroethane	71-55-6	21	0.9	5	0.8
10237	1,1,2-Trichloroethane	79-00-5	21	0.9	5	0.8
10237	Trichloroethene	79-01-6	22	0.9	5	0.8
10237	Trichlorofluoromethane	75-69-4	19	2	5	0.8

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU16-SS-10 MSD Soil
SOIL 2014

LL Sample # SW 7768577
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:00 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

BSS10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	22	0.9	5	0.8
10237	Vinyl Acetate	108-05-4	94	2	10	0.82
10237	Vinyl Chloride	75-01-4	19	0.9	5	0.8
10237	Xylene (Total)	1330-20-7	58	0.9	5	0.8
Wet Chemistry SM 2540 G-1997			%	%	%	
00118	Moisture	n.a.	14.8	0.50	0.50	1
00121	Moisture Duplicate	n.a.	13.7	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X150431AA	02/12/2015 23:01	Christopher G Torres	0.8
10237	APPIX Volatiles	SW-846 8260B	1	X150431AA	02/12/2015 23:47	Christopher G Torres	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201504236796	02/10/2015 15:00	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201504236796	02/10/2015 15:00	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	15044820001B	02/13/2015 17:26	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	15044820001B	02/13/2015 17:26	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-09-021015 Blank Water**
SOIL 2014

LL Sample # **WW 7768578**
LL Group # **1537738**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

SS10E

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-SS-09-021015 Blank Water
SOIL 2014

LL Sample # WW 7768578
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

SS10E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y150433AA	02/13/2015 02:50	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 02:50	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-SS-09-021015-A Blank Water**
SOIL 2014

LL Sample # **WW 7768579**
LL Group # **1537738**
Account # **06643**

Project Name: **BRE - SOIL**

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

S10EA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/13/2015 03:11	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 03:11	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-09-021015 Blank Water
SOIL 2014

LL Sample # WW 7768580
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

SS10T

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-09-021015 Blank Water
SOIL 2014

LL Sample # WW 7768580
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

SS10T

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y150433AA	02/12/2015 23:00	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/12/2015 23:00	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-SS-09-021015-A Blank Water
SOIL 2014

LL Sample # WW 7768581
LL Group # 1537738
Account # 06643

Project Name: BRE - SOIL

Collected: 02/10/2015 15:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/20/2015 15:44

4051 Ogletown Road, Suite 300
Newark DE 19713

S10TA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/12/2015 23:41	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/12/2015 23:41	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: X150431AA									
Sample number(s): 7768576-7768577									
Acetone	7	U	7.	20	ug/kg	119	53-141		
Acetonitrile	25	U	25.	100	ug/kg	104	61-147		
Acrolein	20	U	20.	100	ug/kg	91	58-122		
Acrylonitrile	4	U	4.	20	ug/kg	111	58-123		
Allyl Chloride	1	U	1.	5	ug/kg	114	61-132		
Benzene	0.5	U	0.5	5	ug/kg	107	80-120		
Bromodichloromethane	1	U	1.	5	ug/kg	97	75-120		
Bromoform	1	U	1.	5	ug/kg	83	70-126		
Bromomethane	2	U	2.	5	ug/kg	93	32-162		
2-Butanone	4	U	4.	10	ug/kg	122	62-123		
Carbon Disulfide	1	U	1.	5	ug/kg	97	63-128		
Carbon Tetrachloride	1	U	1.	5	ug/kg	95	69-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	103	73-120		
Chlorobenzene	1	U	1.	5	ug/kg	99	80-120		
Chloroethane	2	U	2.	5	ug/kg	98	17-171		
Chloroform	1	U	1.	5	ug/kg	102	80-125		
Chloromethane	2	U	2.	5	ug/kg	101	56-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	96	59-122		
Dibromochloromethane	1	U	1.	5	ug/kg	94	77-120		
1,2-Dibromoethane	1	U	1.	5	ug/kg	105	80-120		
Dibromomethane	1	U	1.	5	ug/kg	100	80-120		
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	112	70-128		
Dichlorodifluoromethane	2	U	2.	5	ug/kg	84	26-137		
1,1-Dichloroethane	1	U	1.	5	ug/kg	100	80-122		
1,2-Dichloroethane	1	U	1.	5	ug/kg	99	77-130		
1,1-Dichloroethene	1	U	1.	5	ug/kg	105	73-129		
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	108	80-120		
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	108	80-129		
1,2-Dichloropropane	1	U	1.	5	ug/kg	107	80-120		
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	100	74-120		
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	102	76-120		
Ethyl Methacrylate	1	U	1.	5	ug/kg	104	65-120		
Ethylbenzene	1	U	1.	5	ug/kg	104	80-120		
2-Hexanone	3	U	3.	10	ug/kg	110	51-120		
Isobutyl Alcohol	100	U	100.	250	ug/kg	89	64-121		
Methacrylonitrile	5	U	5.	50	ug/kg	117	73-127		
Methyl Iodide	3	U	3.	5	ug/kg	99	72-130		
Methyl Methacrylate	1	U	1.	5	ug/kg	108	60-120		
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	114	57-123		
Methylene Chloride	2	U	2.	5	ug/kg	101	80-124		
Pentachloroethane	1	U	1.	5	ug/kg	96	71-120		
Propionitrile	30	U	30.	100	ug/kg	102	63-131		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Styrene	1 U	1.	5	ug/kg	104		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	90		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	105		71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	94		78-120		
Toluene	1 U	1.	5	ug/kg	105		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	92		63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	102		80-120		
Trichloroethene	1 U	1.	5	ug/kg	106		80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	86		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	102		71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	107		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	98		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	104		80-120		
Batch number: X150431AB Sample number(s): 7768575									
Acetone	7 U	7.	20	ug/kg	116		57-127		
Acetonitrile	25 U	25.	100	ug/kg	99		66-133		
Acrolein	20 U	20.	100	ug/kg	101		49-138		
Acrylonitrile	4 U	4.	20	ug/kg	109		58-120		
Allyl Chloride	1 U	1.	5	ug/kg	113		72-132		
Benzene	0.5 U	0.5	5	ug/kg	106		80-120		
Bromodichloromethane	1 U	1.	5	ug/kg	95		75-120		
Bromoform	1 U	1.	5	ug/kg	88		64-120		
Bromomethane	2 U	2.	5	ug/kg	87		41-144		
2-Butanone	4 U	4.	10	ug/kg	121		62-123		
Carbon Disulfide	1 U	1.	5	ug/kg	97		52-126		
Carbon Tetrachloride	1 U	1.	5	ug/kg	94		69-130		
2-Chloro-1,3-butadiene	1 U	1.	5	ug/kg	102		73-120		
Chlorobenzene	1 U	1.	5	ug/kg	104		80-120		
Chloroethane	2 U	2.	5	ug/kg	92		38-142		
Chloroform	1 U	1.	5	ug/kg	101		80-120		
Chloromethane	2 U	2.	5	ug/kg	100		56-120		
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/kg	106		59-122		
Dibromochloromethane	1 U	1.	5	ug/kg	98		77-120		
1,2-Dibromoethane	1 U	1.	5	ug/kg	113		80-120		
Dibromomethane	1 U	1.	5	ug/kg	98		80-120		
trans-1,4-Dichloro-2-butene	10 U	10.	50	ug/kg	122		71-135		
Dichlorodifluoromethane	2 U	2.	5	ug/kg	92		26-137		
1,1-Dichloroethane	1 U	1.	5	ug/kg	102		77-120		
1,2-Dichloroethane	1 U	1.	5	ug/kg	99		77-130		
1,1-Dichloroethene	1 U	1.	5	ug/kg	104		73-129		
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	107		80-120		
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	108		79-122		
1,2-Dichloropropane	1 U	1.	5	ug/kg	104		76-120		
cis-1,3-Dichloropropene	1 U	1.	5	ug/kg	101		74-120		
trans-1,3-Dichloropropene	1 U	1.	5	ug/kg	106		76-120		
Ethyl Methacrylate	1 U	1.	5	ug/kg	108		65-120		
Ethylbenzene	1 U	1.	5	ug/kg	109		80-120		
2-Hexanone	3 U	3.	10	ug/kg	119		47-133		
Isobutyl Alcohol	100 U	100.	250	ug/kg	91		64-121		
Methacrylonitrile	5 U	5.	50	ug/kg	118		72-120		
Methyl Iodide	3 U	3.	5	ug/kg	99		70-120		
Methyl Methacrylate	1 U	1.	5	ug/kg	110		60-120		
4-Methyl-2-pentanone	3 U	3.	10	ug/kg	115		57-123		
Methylene Chloride	2 U	2.	5	ug/kg	100		80-124		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Pentachloroethane	1 U	1.	5	ug/kg	103		71-120		
Propionitrile	30 U	30.	100	ug/kg	105		63-131		
Styrene	1 U	1.	5	ug/kg	107		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	95		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	112		72-120		
Tetrachloroethene	1 U	1.	5	ug/kg	102		78-120		
Toluene	1 U	1.	5	ug/kg	110		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	85		66-126		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	108		80-120		
Trichloroethene	1 U	1.	5	ug/kg	104		80-120		
Trichlorofluoromethane	2 U	2.	5	ug/kg	91		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	110		77-120		
Vinyl Acetate	2 U	2.	10	ug/kg	118		21-171		
Vinyl Chloride	1 U	1.	5	ug/kg	101		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	109		80-120		

Batch number: Y150433AA

Sample number(s): 7768578-7768581

Acetone	6 U	6.	20	ug/l	80		55-129		
Acetonitrile	25 U	25.	100	ug/l	93	91	49-163	2	30
Acrolein	40 U	40.	100	ug/l	84		59-120		
Acrylonitrile	4 U	4.	20	ug/l	78		62-120		
Allyl Chloride	1 U	1.	5	ug/l	95		56-120		
Benzene	0.5 U	0.5	1	ug/l	95		78-120		
Bromodichloromethane	0.5 U	0.5	1	ug/l	100		73-120		
Bromoform	0.5 U	0.5	4	ug/l	94		61-120		
Bromomethane	0.5 U	0.5	1	ug/l	93		53-130		
2-Butanone	3 U	3.	10	ug/l	83		54-133		
Carbon Disulfide	1 U	1.	5	ug/l	89		58-126		
Carbon Tetrachloride	0.5 U	0.5	1	ug/l	109		74-130		
2-Chloro-1,3-butadiene	1 U	1.	5	ug/l	96		73-120		
Chlorobenzene	0.5 U	0.5	1	ug/l	98		80-120		
Chloroethane	0.5 U	0.5	1	ug/l	87		56-120		
Chloroform	0.5 U	0.5	1	ug/l	102		80-122		
Chloromethane	0.5 U	0.5	1	ug/l	95		63-120		
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/l	93		56-120		
Dibromochloromethane	0.5 U	0.5	1	ug/l	103		72-120		
1,2-Dibromoethane	0.5 U	0.5	1	ug/l	98		80-120		
Dibromomethane	0.5 U	0.5	1	ug/l	98		80-120		
trans-1,4-Dichloro-2-butene	15 U	15.	50	ug/l	89		47-139		
Dichlorodifluoromethane	0.5 U	0.5	1	ug/l	90		55-127		
1,1-Dichloroethane	0.5 U	0.5	1	ug/l	92		80-120		
1,2-Dichloroethane	0.5 U	0.5	1	ug/l	109		65-135		
1,1-Dichloroethene	0.5 U	0.5	1	ug/l	97		76-124		
cis-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	99		80-120		
trans-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	98		80-120		
1,2-Dichloropropane	0.5 U	0.5	1	ug/l	91		80-120		
cis-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	96		80-120		
trans-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	99		76-120		
Ethyl Methacrylate	1 U	1.	5	ug/l	86		73-120		
Ethylbenzene	0.5 U	0.5	1	ug/l	96		79-120		
2-Hexanone	3 U	3.	10	ug/l	82		57-127		
Isobutyl Alcohol	100 U	100.	250	ug/l	85		63-134		
Methacrylonitrile	10 U	10.	50	ug/l	88		75-120		
Methyl Iodide	0.5 U	0.5	1	ug/l	105		75-128		
Methyl Methacrylate	1 U	1.	5	ug/l	85		71-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Methyl-2-pentanone	3 U	3.	10	ug/l	86		51-124		
Methylene Chloride	2 U	2.	4	ug/l	86		80-120		
Pentachloroethane	1 U	1.	5	ug/l	100		74-120		
Propionitrile	30 U	30.	100	ug/l	90		73-133		
Styrene	1 U	1.	5	ug/l	96		80-120		
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	84		70-120		
Tetrachloroethene	0.5 U	0.5	1	ug/l	105		80-120		
Toluene	0.5 U	0.5	1	ug/l	97		80-120		
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	91		66-126		
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	94		80-120		
Trichloroethene	0.5 U	0.5	1	ug/l	102		80-120		
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	103		58-135		
1,2,3-Trichloropropane	1 U	1.	5	ug/l	90		76-120		
Vinyl Acetate	2 U	2.	10	ug/l	76	74	56-135	3	30
Vinyl Chloride	0.5 U	0.5	1	ug/l	96		63-120		
Xylene (Total)	0.5 U	0.5	1	ug/l	98		80-120		

Batch number: 15044820001B
Moisture
Moisture
Moisture Duplicate

Sample number(s): 7768575-7768577

100 99-101
100 99-101
100 99-101

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X150431AA	Sample number(s): 7768576-7768577 UNSPK: 7768575								
Acetone	215*	137	31-195	46*	30				
Acetonitrile	85	91	41-166	14	30				
Acrolein	94	84	10-165	17	30				
Acrylonitrile	169*	126	48-139	34*	30				
Allyl Chloride	211*	124	55-154	57*	30				
Benzene	200*	120	55-143	55*	30				
Bromodichloromethane	156*	107	53-136	43*	30				
Bromoform	107	85	50-144	28	30				
Bromomethane	238*	92	42-168	93*	30				
2-Butanone	181*	142	37-163	30	30				
Carbon Disulfide	239*	117	48-146	73*	30				
Carbon Tetrachloride	209*	115	51-165	63*	30				
2-Chloro-1,3-butadiene	165*	120	51-152	37*	30				
Chlorobenzene	136*	98	49-135	38*	30				
Chloroethane	239*	90	39-152	95*	30				
Chloroform	204*	116	61-142	60*	30				
Chloromethane	231*	101	36-143	83*	30				
1,2-Dibromo-3-chloropropane	112	104	34-165	14	30				
Dibromochloromethane	131*	102	51-128	31*	30				
1,2-Dibromoethane	148*	113	54-129	32*	30				
Dibromomethane	157*	113	57-130	38*	30				
trans-1,4-Dichloro-2-butene	110	126	31-144	7	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dichlorodifluoromethane	238*	103	26-151	84*	30			
1,1-Dichloroethane	213*	117	63-142	63*	30			
1,2-Dichloroethane	171*	114	54-143	46*	30			
1,1-Dichloroethene	246*	125	61-149	70*	30			
cis-1,2-Dichloroethene	187*	121	67-135	48*	30			
trans-1,2-Dichloroethene	215*	123	64-144	60*	30			
1,2-Dichloropropane	183*	117	54-144	49*	30			
cis-1,3-Dichloropropene	107	103	45-137	9	30			
trans-1,3-Dichloropropene	112	104	51-134	14	30			
Ethyl Methacrylate	88	111	35-134	17	30			
Ethylbenzene	111	106	44-141	10	30			
2-Hexanone	113	135	32-160	12	30			
Isobutyl Alcohol	92	104	44-158	7	30			
Methacrylonitrile	158*	136	54-142	21	30			
Methyl Iodide	194*	112	52-139	59*	30			
Methyl Methacrylate	108	122	42-134	6	30			
4-Methyl-2-pentanone	119	137	46-139	8	30			
Methylene Chloride	206*	120	60-149	58*	30			
Pentachloroethane	127	93	35-145	36*	30			
Propionitrile	112	109	40-151	8	30			
Styrene	93	98	35-134	0	30			
1,1,1,2-Tetrachloroethane	141*	95	55-139	44*	30			
1,1,2,2-Tetrachloroethane	144	117	29-182	27	30			
Tetrachloroethene	217*	151*	42-149	40*	30			
Toluene	162*	113	50-146	41*	30			
1,1,1-Trichloroethane	195*	110	52-146	61*	30			
1,1,2-Trichloroethane	160*	112	58-152	41*	30			
Trichloroethene	190*	118	53-144	52*	30			
Trichlorofluoromethane	214*	102	47-163	75*	30			
1,2,3-Trichloropropane	148	119	36-180	27	30			
Vinyl Acetate	105	97	21-139	0	30			
Vinyl Chloride	235*	103	50-154	83*	30			
Xylene (Total)	109	103	44-136	11	30			
Batch number: X150431AB Sample number(s): 7768575 UNSPK: 7768575								
Acetone	215*	137	31-195	46*	30			
Acetonitrile	85	91	41-166	14	30			
Acrolein	94	84	10-165	17	30			
Acrylonitrile	169*	126	48-139	34*	30			
Allyl Chloride	211*	124	55-154	57*	30			
Benzene	200*	120	55-143	55*	30			
Bromodichloromethane	156*	107	53-136	43*	30			
Bromoform	107	85	50-144	28	30			
Bromomethane	238*	92	42-168	93*	30			
2-Butanone	181*	142	37-163	30	30			
Carbon Disulfide	239*	117	48-146	73*	30			
Carbon Tetrachloride	209*	115	51-165	63*	30			
2-Chloro-1,3-butadiene	165*	120	51-152	37*	30			
Chlorobenzene	136*	98	49-135	38*	30			
Chloroethane	239*	90	39-152	95*	30			
Chloroform	204*	116	61-142	60*	30			
Chloromethane	231*	101	36-143	83*	30			

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,2-Dibromo-3-chloropropane	112	104	34-165	14	30			
Dibromochloromethane	131*	102	51-128	31*	30			
1,2-Dibromoethane	148*	113	54-129	32*	30			
Dibromomethane	157*	113	57-130	38*	30			
trans-1,4-Dichloro-2-butene	110	126	31-144	7	30			
Dichlorodifluoromethane	238*	103	26-151	84*	30			
1,1-Dichloroethane	213*	117	63-142	63*	30			
1,2-Dichloroethane	171*	114	54-143	46*	30			
1,1-Dichloroethene	246*	125	61-149	70*	30			
cis-1,2-Dichloroethene	187*	121	67-135	48*	30			
trans-1,2-Dichloroethene	215*	123	64-144	60*	30			
1,2-Dichloropropane	183*	117	54-144	49*	30			
cis-1,3-Dichloropropene	107	103	45-137	9	30			
trans-1,3-Dichloropropene	112	104	51-134	14	30			
Ethyl Methacrylate	88	111	35-134	17	30			
Ethylbenzene	111	106	44-141	10	30			
2-Hexanone	113	135	32-160	12	30			
Isobutyl Alcohol	92	104	44-158	7	30			
Methacrylonitrile	158*	136	54-142	21	30			
Methyl Iodide	194*	112	52-139	59*	30			
Methyl Methacrylate	108	122	42-134	6	30			
4-Methyl-2-pentanone	119	137	46-139	8	30			
Methylene Chloride	206*	120	60-149	58*	30			
Pentachloroethane	127	93	35-145	36*	30			
Propionitrile	112	109	40-151	8	30			
Styrene	93	98	35-134	0	30			
1,1,1,2-Tetrachloroethane	141*	95	55-139	44*	30			
1,1,2,2-Tetrachloroethane	144	117	29-182	27	30			
Tetrachloroethene	217*	151*	42-149	40*	30			
Toluene	162*	113	50-146	41*	30			
1,1,1-Trichloroethane	195*	110	52-146	61*	30			
1,1,2-Trichloroethane	160*	112	58-152	41*	30			
Trichloroethene	190*	118	53-144	52*	30			
Trichlorofluoromethane	214*	102	47-163	75*	30			
1,2,3-Trichloropropane	148	119	36-180	27	30			
Vinyl Acetate	105	97	21-139	0	30			
Vinyl Chloride	235*	103	50-154	83*	30			
Xylene (Total)	109	103	44-136	11	30			

Batch number: Y150433AA	Sample number(s): 7768578-7768581 UNSPK: P768568							
Acetone	76	78	35-144	2	30			
Acrolein	80	82	39-136	3	30			
Acrylonitrile	72	74	51-125	3	30			
Allyl Chloride	98	99	47-142	1	30			
Benzene	97	99	72-134	2	30			
Bromodichloromethane	103	106	73-125	2	30			
Bromoform	98	98	48-118	0	30			
Bromomethane	101	100	47-129	1	30			
2-Butanone	78	79	44-135	2	30			
Carbon Disulfide	89	91	53-149	3	30			
Carbon Tetrachloride	123	124	75-148	1	30			
2-Chloro-1,3-butadiene	99	95	75-146	4	30			

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Chlorobenzene	102	104	87-124	2	30				
Chloroethane	90	91	55-130	1	30				
Chloroform	109	109	81-134	1	30				
Chloromethane	98	100	61-125	2	30				
1,2-Dibromo-3-chloropropane	89	91	50-123	2	30				
Dibromochloromethane	106	106	74-116	0	30				
1,2-Dibromoethane	99	101	77-116	1	30				
Dibromomethane	101	101	83-119	0	30				
trans-1,4-Dichloro-2-butene	88	89	27-147	0	30				
Dichlorodifluoromethane	110	108	58-156	2	30				
1,1-Dichloroethane	90	93	84-129	3	30				
1,2-Dichloroethane	114	114	63-142	0	30				
1,1-Dichloroethene	100	105	79-137	4	30				
cis-1,2-Dichloroethene	102	103	80-141	1	30				
trans-1,2-Dichloroethene	101	104	86-131	3	30				
1,2-Dichloropropane	90	93	83-124	3	30				
cis-1,3-Dichloropropene	97	98	70-116	2	30				
trans-1,3-Dichloropropene	100	101	74-119	1	30				
Ethyl Methacrylate	82	85	64-126	4	30				
Ethylbenzene	101	102	71-134	1	30				
2-Hexanone	79	80	38-131	1	30				
Isobutyl Alcohol	83	83	53-142	1	30				
Methacrylonitrile	84	86	71-126	2	30				
Methyl Iodide	104	108	65-144	3	30				
Methyl Methacrylate	83	84	63-123	1	30				
4-Methyl-2-pentanone	83	84	45-128	2	30				
Methylene Chloride	85	88	78-133	4	30				
Pentachloroethane	105	104	71-117	1	30				
Propionitrile	85	86	61-138	1	30				
Styrene	101	103	78-125	2	30				
1,1,1,2-Tetrachloroethane	110	111	80-123	1	30				
1,1,2,2-Tetrachloroethane	81	84	72-128	3	30				
Tetrachloroethene	114	116	80-128	2	30				
Toluene	99	101	80-125	2	30				
1,1,1-Trichloroethane	99	101	69-140	2	30				
1,1,2-Trichloroethane	98	98	71-141	0	30				
Trichloroethene	108	110	88-133	2	30				
Trichlorofluoromethane	124	124	63-163	0	30				
1,2,3-Trichloropropane	89	92	76-118	3	30				
Vinyl Chloride	102	104	66-133	2	30				
Xylene (Total)	104	105	79-125	1	30				

Batch number: 15044820001B
Moisture
Moisture
Moisture Duplicate

Sample number(s): 7768575-7768577 BKG: 7768575
14.8 13.7 8* 5
14.8 13.7 8* 5
14.8 13.7 8* 5

Surrogate Quality Control

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/20/15 at 03:44 PM

Group Number: 1537738

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: X150431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768576	114	121	100	94
7768577	96	100	102	100
Blank	98	102	94	90
LCS	95	100	99	100
MS	114	121	100	94
MSD	96	100	102	100
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles

Batch number: X150431AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768575	97	106	95	88
Blank	96	101	97	89
LCS	93	95	102	97
MS	114	121	100	94
MSD	96	100	102	100
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles

Batch number: Y150433AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768578	109	104	97	95
7768579	108	101	97	95
7768580	107	102	98	96
7768581	108	102	97	95
Blank	107	102	98	96
LCS	106	103	99	98
LCSD	105	102	98	95
MS	108	104	99	99
MSD	107	106	99	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DUPONT BREVARD

SOIL 2014

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>02/11/2015 10:00</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2 HCL 2 UNPRE

Unpacked by Corey Eshleman (3647) at 11:42 on 02/11/2015

Samples Chilled Details: SOIL 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT121	0.3	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 24, 2014

Project: BRE - SOIL

Submittal Date: 12/12/2014

Group Number: 1525204

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SWMU15-SBS-4 Soil
SSP14-SWMU15-SBS-4 MS Soil
SSP14-SWMU15-SBS-4 MSD Soil
SSP14-SWMU15-SBS-4 Dupl Soil
SSP14-SWMU15-SBS-5 Soil
SSP14-SWMU2C-SBS-1 Soil

Lancaster Labs (LL) #

7709595
7709596
7709597
7709598
7709599
7709600

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	18	J	8	22	0.88
10237	Acetonitrile	75-05-8	28	U	28	110	0.88
10237	Acrolein	107-02-8	22	U	22	110	0.88
10237	Acrylonitrile	107-13-1	4	U	4	22	0.88
10237	Allyl Chloride	107-05-1	1	U	1	6	0.88
10237	Benzene	71-43-2	0.6	U	0.6	6	0.88
10237	Bromodichloromethane	75-27-4	1	U	1	6	0.88
10237	Bromoform	75-25-2	1	U	1	6	0.88
10237	Bromomethane	74-83-9	2	U	2	6	0.88
10237	2-Butanone	78-93-3	4	U	4	11	0.88
10237	Carbon Disulfide	75-15-0	1	J	1	6	0.88
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	0.88
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	0.88
10237	Chlorobenzene	108-90-7	1	U	1	6	0.88
10237	Chloroethane	75-00-3	2	U	2	6	0.88
10237	Chloroform	67-66-3	1	U	1	6	0.88
10237	Chloromethane	74-87-3	2	U	2	6	0.88
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6	0.88
10237	Dibromochloromethane	124-48-1	1	U	1	6	0.88
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	0.88
10237	Dibromomethane	74-95-3	1	U	1	6	0.88
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	56	0.88
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6	0.88
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	0.88
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	0.88
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	0.88
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	0.88
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	0.88
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	0.88
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	0.88
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	0.88
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	0.88
10237	Ethylbenzene	100-41-4	1	U	1	6	0.88
10237	2-Hexanone	591-78-6	3	U	3	11	0.88
10237	Isobutyl Alcohol	78-83-1	110	U	110	280	0.88
10237	Methacrylonitrile	126-98-7	6	U	6	56	0.88
10237	Methyl Iodide	74-88-4	3	U	3	6	0.88
10237	Methyl Methacrylate	80-62-6	1	U	1	6	0.88
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	11	0.88
10237	Methylene Chloride	75-09-2	2	U	2	6	0.88
10237	Pentachloroethane	76-01-7	1	U	1	6	0.88
10237	Propionitrile	107-12-0	33	U	33	110	0.88
10237	Styrene	100-42-5	1	U	1	6	0.88
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	0.88
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	6	0.88
10237	Tetrachloroethene	127-18-4	1	U	1	6	0.88
10237	Toluene	108-88-3	1	U	1	6	0.88
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	0.88
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	0.88
10237	Trichloroethene	79-01-6	1	U	1	6	0.88
10237	Trichlorofluoromethane	75-69-4	2	U	2	6	0.88

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.88
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.88
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.88
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.88
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	47	4	21	1
10726	Acenaphthylene	208-96-8	4	U 4	21	1
10726	Acetophenone	98-86-2	21	U 21	42	1
10726	2-Acetylaminofluorene	53-96-3	84	U 84	210	1
10726	4-Aminobiphenyl	92-67-1	210	U 210	630	1
10726	Aniline	62-53-3	210	U 210	630	1
10726	Anthracene	120-12-7	33	4	21	1
10726	Benzo(a)anthracene	56-55-3	26	4	21	1
10726	Benzo(a)pyrene	50-32-8	18	J 4	21	1
10726	Benzo(b)fluoranthene	205-99-2	24	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	13	J 4	21	1
10726	Benzo(k)fluoranthene	207-08-9	15	J 4	21	1
10726	Benzyl alcohol	100-51-6	210	U 210	630	1
10726	1,1'-Biphenyl	92-52-4	21	U 21	42	1
10726	4-Bromophenyl-phenylether	101-55-3	21	U 21	42	1
10726	Butylbenzylphthalate	85-68-7	84	U 84	210	1
10726	Di-n-butylphthalate	84-74-2	84	U 84	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21	U 21	42	1
10726	4-Chloroaniline	106-47-8	21	U 21	42	1
10726	Chlorobenzilate	510-15-6	42	U 42	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21	U 21	42	1
10726	bis(2-Chloroethyl)ether	111-44-4	21	U 21	42	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21	U 21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9	U 9	42	1
10726	2-Chlorophenol	95-57-8	21	U 21	42	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21	U 21	42	1
10726	Chrysene	218-01-9	26	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	42	U 42	210	1
10726	Dibenz(a,h)anthracene	53-70-3	5	J 4	21	1
10726	Dibenzofuran	132-64-9	33	J 21	42	1
10726	1,2-Dichlorobenzene	95-50-1	21	U 21	42	1
10726	1,3-Dichlorobenzene	541-73-1	21	U 21	42	1
10726	1,4-Dichlorobenzene	106-46-7	21	U 21	42	1
10726	3,3'-Dichlorobenzidine	91-94-1	130	U 130	420	1
10726	2,4-Dichlorophenol	120-83-2	21	U 21	42	1
10726	2,6-Dichlorophenol	87-65-0	21	U 21	42	1
10726	Diethylphthalate	84-66-2	84	U 84	210	1
10726	Dimethoate	60-51-5	210	U 210	630	1
10726	p-Dimethylaminoazobenzene	60-11-7	84	U 84	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21	U 21	42	1
10726	3,3'-Dimethylbenzidine	119-93-7	630	U 630	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	42	1
10726	Dimethylphthalate	131-11-3	84	U 84	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	630	1
10726	1,3-Dinitrobenzene	99-65-0	84	U 84	210	1
10726	2,4-Dinitrophenol	51-28-5	380	U 380	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	84	U 84	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	42	1
10726	1,4-Dioxane	123-91-1	130	U 130	420	1
10726	Diphenyl ether	101-84-8	21	U 21	42	1
10726	Ethyl methanesulfonate	62-50-0	84	U 84	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	84	U 84	210	1
10726	Fluoranthene	206-44-0	84	4	21	1
10726	Fluorene	86-73-7	36	4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	42	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	630	1
10726	Hexachloroethane	67-72-1	42	U 42	210	1
10726	Hexachloropropene	1888-71-7	130	U 130	420	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	11	J 4	21	1
10726	Isodrin	465-73-6	21	U 21	42	1
10726	Isophorone	78-59-1	21	U 21	42	1
10726	Isosafrole	120-58-1	84	U 84	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,300	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	42	U 42	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	42	1
10726	2-Methylnaphthalene	91-57-6	28	4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	42	1
10726	4-Methylphenol	106-44-5	21	U 21	42	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	18	J 4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,200	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	210	U 210	630	1
10726	2-Naphthylamine	91-59-8	210	U 210	630	1
10726	2-Nitroaniline	88-74-4	21	U 21	42	1
10726	3-Nitroaniline	99-09-2	84	U 84	210	1
10726	4-Nitroaniline	100-01-6	84	U 84	210	1
10726	Nitrobenzene	98-95-3	21	U 21	42	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	630	1
10726	2-Nitrophenol	88-75-5	21	U 21	42	1
10726	4-Nitrophenol	100-02-7	210	U 210	630	1
10726	4-Nitroquinoline-1-oxide	56-57-5	420	U 420	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	42	1
10726	N-Nitrosodimethylamine	62-75-9	84	U 84	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	84	U 84	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	42	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	84	U 84	210	1
10726	N-Nitrosomorpholine	59-89-2	84	U 84	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	42	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	42	1
10726	Di-n-octylphthalate	117-84-0	84	U 84	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	42	1
10726	Pentachloronitrobenzene	82-68-8	84	U 84	210	1
10726	Pentachlorophenol	87-86-5	42	U 42	210	1
10726	Phenacetin	62-44-2	84	U 84	210	1
10726	Phenanthrene	85-01-8	120	4	21	1
10726	Phenol	108-95-2	21	U 21	42	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	42,000	1
10726	2-Picoline	109-06-8	130	U 130	420	1
10726	Pronamide	23950-58-5	42	U 42	210	1
10726	Pyrene	129-00-0	65	4	21	1
10726	Pyridine	110-86-1	84	U 84	210	1
10726	Safrole	94-59-7	84	U 84	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	42	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	84	U 84	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	84	U 84	210	1
10726	Thionazin	297-97-2	84	U 84	210	1
10726	o-Toluidine	95-53-4	250	U 250	840	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	42	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	42	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	42	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	84	U 84	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	630	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.3	U 6.3	13	1
12925	Ethylene glycol	107-21-1	6.3	U 6.3	13	1
12925	Propylene glycol	57-55-6	6.3	U 6.3	13	1
12925	Triethylene glycol	112-27-6	6.3	U 6.3	13	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	57.6	0.0411	1.25	1
06947	Beryllium	7440-41-7	1.11	J 0.0834	1.25	1
06949	Cadmium	7440-43-9	0.0909	J 0.0411	1.25	1
06951	Chromium	7440-47-3	4.16	0.137	3.74	1
06952	Cobalt	7440-48-4	3.84	0.120	1.25	1
06953	Copper	7440-50-8	2.88	0.411	2.49	1
06961	Nickel	7440-02-0	4.02	0.187	2.49	1
06966	Silver	7440-22-4	0.237	U 0.237	1.25	1

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Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
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Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

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Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.85 J	0.536	24.9	1
06971	Vanadium	7440-62-2	13.6	0.113	1.25	1
06972	Zinc	7440-66-6	30.7	0.324	4.98	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.105 U	0.105	0.498	2
06125	Arsenic	7440-38-2	1.12	0.106	0.996	2
06135	Lead	7439-92-1	9.55	0.0160	0.498	2
06141	Selenium	7782-49-2	0.252 J	0.125	0.996	2
06145	Thallium	7440-28-0	0.360	0.0374	0.249	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0121 U	0.0121	0.241	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 15:38	Chelsea B Stong	0.88
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434636416	12/09/2014 13:46	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 10:09	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 02:01	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Soil
SOIL 2014

LL Sample # SW 7709595
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:13	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:43	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:43	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:43	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:43	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:43	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:45	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	190	9	25	1
10237	Acetonitrile	75-05-8	160	28	110	0.9
10237	Acrolein	107-02-8	310	25	130	1
10237	Acrylonitrile	107-13-1	120	5	25	1
10237	Allyl Chloride	107-05-1	30	1	6	1
10237	Benzene	71-43-2	32	0.6	6	1
10237	Bromodichloromethane	75-27-4	29	1	6	1
10237	Bromoform	75-25-2	27	1	6	1
10237	Bromomethane	74-83-9	31	3	6	1
10237	2-Butanone	78-93-3	200	5	13	1
10237	Carbon Disulfide	75-15-0	30	1	6	1
10237	Carbon Tetrachloride	56-23-5	31	1	6	1
10237	2-Chloro-1,3-butadiene	126-99-8	29	1	6	1
10237	Chlorobenzene	108-90-7	31	1	6	1
10237	Chloroethane	75-00-3	30	3	6	1
10237	Chloroform	67-66-3	31	1	6	1
10237	Chloromethane	74-87-3	31	3	6	1
10237	1,2-Dibromo-3-chloropropane	96-12-8	24	3	6	1
10237	Dibromochloromethane	124-48-1	30	1	6	1
10237	1,2-Dibromoethane	106-93-4	32	1	6	1
10237	Dibromomethane	74-95-3	30	1	6	1
10237	trans-1,4-Dichloro-2-butene	110-57-6	140	13	63	1
10237	Dichlorodifluoromethane	75-71-8	31	3	6	1
10237	1,1-Dichloroethane	75-34-3	30	1	6	1
10237	1,2-Dichloroethane	107-06-2	30	1	6	1
10237	1,1-Dichloroethene	75-35-4	32	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	31	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	31	1	6	1
10237	1,2-Dichloropropane	78-87-5	31	1	6	1
10237	cis-1,3-Dichloropropene	10061-01-5	24	1	6	1
10237	trans-1,3-Dichloropropene	10061-02-6	27	1	6	1
10237	Ethyl Methacrylate	97-63-2	26	1	6	1
10237	Ethylbenzene	100-41-4	33	1	6	1
10237	2-Hexanone	591-78-6	160	4	13	1
10237	Isobutyl Alcohol	78-83-1	950	130	310	1
10237	Methacrylonitrile	126-98-7	230	6	63	1
10237	Methyl Iodide	74-88-4	29	4	6	1
10237	Methyl Methacrylate	80-62-6	27	1	6	1
10237	4-Methyl-2-pentanone	108-10-1	150	4	13	1
10237	Methylene Chloride	75-09-2	29	3	6	1
10237	Pentachloroethane	76-01-7	29	1	6	1
10237	Propionitrile	107-12-0	340	38	130	1
10237	Styrene	100-42-5	29	1	6	1
10237	1,1,1,2-Tetrachloroethane	630-20-6	29	1	6	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	31	1	6	1
10237	Tetrachloroethene	127-18-4	33	1	6	1
10237	Toluene	108-88-3	33	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	26	1	6	1
10237	1,1,2-Trichloroethane	79-00-5	31	1	6	1
10237	Trichloroethene	79-01-6	31	1	6	1
10237	Trichlorofluoromethane	75-69-4	33	3	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	31	1	6	1
10237	Vinyl Acetate	108-05-4	70	2	11	0.9
10237	Vinyl Chloride	75-01-4	33	1	6	1
10237	Xylene (Total)	1330-20-7	98	1	6	1
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,000	4	21	1
10726	Acenaphthylene	208-96-8	2,100	4	21	1
10726	Acetophenone	98-86-2	1,800	21	42	1
10726	2-Acetylaminofluorene	53-96-3	2,300	84	210	1
10726	4-Aminobiphenyl	92-67-1	660	210	630	1
10726	Aniline	62-53-3	1,000	210	630	1
10726	Anthracene	120-12-7	2,000	4	21	1
10726	Benzo(a)anthracene	56-55-3	2,000	4	21	1
10726	Benzo(a)pyrene	50-32-8	2,000	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	2,000	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	1,900	4	21	1
10726	Benzyl alcohol	100-51-6	1,900	210	630	1
10726	1,1'-Biphenyl	92-52-4	1,900	21	42	1
10726	4-Bromophenyl-phenylether	101-55-3	2,000	21	42	1
10726	Butylbenzylphthalate	85-68-7	2,100	84	210	1
10726	Di-n-butylphthalate	84-74-2	2,100	84	210	1
10726	4-Chloro-3-methylphenol	59-50-7	2,000	21	42	1
10726	4-Chloroaniline	106-47-8	1,100	21	42	1
10726	Chlorobenzilate	510-15-6	2,300	42	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,900	21	42	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,800	21	42	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,900	21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,800	9	42	1
10726	2-Chlorophenol	95-57-8	2,100	21	42	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,900	21	42	1
10726	Chrysene	218-01-9	2,000	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	2,100	42	210	1
10726	Dibenz(a,h)anthracene	53-70-3	2,100	4	21	1
10726	Dibenzofuran	132-64-9	1,900	21	42	1
10726	1,2-Dichlorobenzene	95-50-1	1,900	21	42	1
10726	1,3-Dichlorobenzene	541-73-1	1,900	21	42	1
10726	1,4-Dichlorobenzene	106-46-7	1,900	21	42	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,300	130	420	1
10726	2,4-Dichlorophenol	120-83-2	2,000	21	42	1
10726	2,6-Dichlorophenol	87-65-0	2,000	21	42	1
10726	Diethylphthalate	84-66-2	1,900	84	210	1
10726	Dimethoate	60-51-5	1,800	210	630	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,100	84	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	2,000	21	42	1
10726	3,3'-Dimethylbenzidine	119-93-7	630	U 630	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	1,800	21	42	1
10726	Dimethylphthalate	131-11-3	2,000	84	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,100	210	630	1
10726	1,3-Dinitrobenzene	99-65-0	2,000	84	210	1
10726	2,4-Dinitrophenol	51-28-5	4,100	380	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	2,000	84	210	1
10726	2,6-Dinitrotoluene	606-20-2	2,100	21	42	1
10726	1,4-Dioxane	123-91-1	1,400	130	420	1
10726	Diphenyl ether	101-84-8	2,000	21	42	1
10726	Ethyl methanesulfonate	62-50-0	490	84	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,100	84	210	1
10726	Fluoranthene	206-44-0	2,000	4	21	1
10726	Fluorene	86-73-7	2,000	4	21	1
10726	Hexachlorobenzene	118-74-1	1,800	4	21	1
10726	Hexachlorobutadiene	87-68-3	1,900	21	42	1
10726	Hexachlorocyclopentadiene	77-47-4	4,500	210	630	1
10726	Hexachloroethane	67-72-1	1,900	42	210	1
10726	Hexachloropropene	1888-71-7	2,000	130	420	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,000	4	21	1
10726	Isodrin	465-73-6	2,000	21	42	1
10726	Isophorone	78-59-1	2,000	21	42	1
10726	Isosafrole	120-58-1	2,200	84	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,300	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	42	U 42	210	1
10726	3-Methylcholanthrene	56-49-5	2,200	21	42	1
10726	2-Methylnaphthalene	91-57-6	1,900	4	21	1
10726	2-Methylphenol	95-48-7	2,000	21	42	1
10726	4-Methylphenol	106-44-5	1,800	21	42	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,900	4	21	1
10726	1,4-Naphthoquinone	130-15-4	2,100	J 1,000	4,200	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	460	J 210	630	1
10726	2-Naphthylamine	91-59-8	280	J 210	630	1
10726	2-Nitroaniline	88-74-4	2,300	21	42	1
10726	3-Nitroaniline	99-09-2	1,500	84	210	1
10726	4-Nitroaniline	100-01-6	1,700	84	210	1
10726	Nitrobenzene	98-95-3	1,800	21	42	1
10726	5-Nitro-o-toluidine	99-55-8	1,900	210	630	1
10726	2-Nitrophenol	88-75-5	2,100	21	42	1
10726	4-Nitrophenol	100-02-7	2,300	210	630	1
10726	4-Nitroquinoline-1-oxide	56-57-5	23,000	E 420	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	1,900	21	42	1
10726	N-Nitrosodimethylamine	62-75-9	1,700	84	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	1,900	84	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,800	21	42	1
10726	N-Nitrosodiphenylamine	86-30-6	2,000	21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,700	84	210	1
10726	N-Nitrosomorpholine	59-89-2	1,800	84	210	1
10726	N-Nitrosopiperidine	100-75-4	2,000	21	42	1
10726	N-Nitrosopyrrolidine	930-55-2	1,900	21	42	1
10726	Di-n-octylphthalate	117-84-0	2,400	84	210	1
10726	Pentachlorobenzene	608-93-5	1,900	21	42	1
10726	Pentachloronitrobenzene	82-68-8	2,000	84	210	1
10726	Pentachlorophenol	87-86-5	1,700	42	210	1
10726	Phenacetin	62-44-2	2,100	84	210	1
10726	Phenanthrene	85-01-8	1,800	4	21	1
10726	Phenol	108-95-2	1,900	21	42	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	42,000	1
10726	2-Picoline	109-06-8	1,500	130	420	1
10726	Pronamide	23950-58-5	2,200	42	210	1
10726	Pyrene	129-00-0	1,900	4	21	1
10726	Pyridine	110-86-1	1,400	84	210	1
10726	Safrole	94-59-7	1,900	84	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,900	21	42	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,000	84	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,900	84	210	1
10726	Thionazin	297-97-2	2,100	84	210	1
10726	o-Toluidine	95-53-4	1,000	250	840	1
10726	1,2,4-Trichlorobenzene	120-82-1	2,000	21	42	1
10726	2,4,5-Trichlorophenol	95-95-4	2,100	21	42	1
10726	2,4,6-Trichlorophenol	88-06-2	2,200	21	42	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,900	84	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,700	210	630	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	180	6.3	13	1
12925	Ethylene glycol	107-21-1	200	6.3	13	1
12925	Propylene glycol	57-55-6	210	6.3	13	1
12925	Triethylene glycol	112-27-6	150	6.3	13	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	301	0.0411	1.25	1
06947	Beryllium	7440-41-7	7.73	0.0834	1.25	1
06949	Cadmium	7440-43-9	6.01	0.0411	1.25	1
06951	Chromium	7440-47-3	28.3	0.137	3.74	1
06952	Cobalt	7440-48-4	62.8	0.120	1.25	1
06953	Copper	7440-50-8	35.0	0.411	2.49	1
06961	Nickel	7440-02-0	63.1	0.187	2.49	1
06966	Silver	7440-22-4	5.80	0.237	1.25	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	451	0.536	24.9	1
06971	Vanadium	7440-62-2	76.0	0.113	1.25	1
06972	Zinc	7440-66-6	92.7	0.324	4.98	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.773	0.105	0.498	2
06125	Arsenic	7440-38-2	3.60	0.106	0.996	2
06135	Lead	7439-92-1	15.2	0.0160	0.498	2
06141	Selenium	7782-49-2	2.71	0.125	0.996	2
06145	Thallium	7440-28-0	0.822	0.0374	0.249	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.219 J	0.0121	0.241	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	20.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 16:01	Chelsea B Stong	1
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 16:48	Chelsea B Stong	0.9
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434636416	12/09/2014 13:46	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 10:33	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 02:15	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MS Soil
SOIL 2014

LL Sample # SW 7709596
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:25	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:50	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:50	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:50	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:50	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:50	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:51	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	170	8	23	0.91
10237	Acetonitrile	75-05-8	150	27	110	0.86
10237	Acrolein	107-02-8	230	23	110	0.91
10237	Acrylonitrile	107-13-1	100	5	23	0.91
10237	Allyl Chloride	107-05-1	22	1	6	0.91
10237	Benzene	71-43-2	23	0.6	6	0.91
10237	Bromodichloromethane	75-27-4	21	1	6	0.91
10237	Bromoform	75-25-2	20	1	6	0.91
10237	Bromomethane	74-83-9	23	2	6	0.91
10237	2-Butanone	78-93-3	170	5	11	0.91
10237	Carbon Disulfide	75-15-0	21	1	6	0.91
10237	Carbon Tetrachloride	56-23-5	22	1	6	0.91
10237	2-Chloro-1,3-butadiene	126-99-8	21	1	6	0.91
10237	Chlorobenzene	108-90-7	23	1	6	0.91
10237	Chloroethane	75-00-3	21	2	6	0.91
10237	Chloroform	67-66-3	22	1	6	0.91
10237	Chloromethane	74-87-3	24	2	6	0.91
10237	1,2-Dibromo-3-chloropropane	96-12-8	19	2	6	0.91
10237	Dibromochloromethane	124-48-1	22	1	6	0.91
10237	1,2-Dibromoethane	106-93-4	23	1	6	0.91
10237	Dibromomethane	74-95-3	22	1	6	0.91
10237	trans-1,4-Dichloro-2-butene	110-57-6	110	11	57	0.91
10237	Dichlorodifluoromethane	75-71-8	23	2	6	0.91
10237	1,1-Dichloroethane	75-34-3	22	1	6	0.91
10237	1,2-Dichloroethane	107-06-2	22	1	6	0.91
10237	1,1-Dichloroethene	75-35-4	22	1	6	0.91
10237	cis-1,2-Dichloroethene	156-59-2	23	1	6	0.91
10237	trans-1,2-Dichloroethene	156-60-5	23	1	6	0.91
10237	1,2-Dichloropropane	78-87-5	22	1	6	0.91
10237	cis-1,3-Dichloropropene	10061-01-5	19	1	6	0.91
10237	trans-1,3-Dichloropropene	10061-02-6	21	1	6	0.91
10237	Ethyl Methacrylate	97-63-2	21	1	6	0.91
10237	Ethylbenzene	100-41-4	23	1	6	0.91
10237	2-Hexanone	591-78-6	120	3	11	0.91
10237	Isobutyl Alcohol	78-83-1	730	110	280	0.91
10237	Methacrylonitrile	126-98-7	180	6	57	0.91
10237	Methyl Iodide	74-88-4	22	3	6	0.91
10237	Methyl Methacrylate	80-62-6	22	1	6	0.91
10237	4-Methyl-2-pentanone	108-10-1	120	3	11	0.91
10237	Methylene Chloride	75-09-2	21	2	6	0.91
10237	Pentachloroethane	76-01-7	22	1	6	0.91
10237	Propionitrile	107-12-0	250	34	110	0.91
10237	Styrene	100-42-5	21	1	6	0.91
10237	1,1,1,2-Tetrachloroethane	630-20-6	21	1	6	0.91
10237	1,1,2,2-Tetrachloroethane	79-34-5	23	1	6	0.91
10237	Tetrachloroethene	127-18-4	23	1	6	0.91
10237	Toluene	108-88-3	23	1	6	0.91
10237	1,1,1-Trichloroethane	71-55-6	19	1	6	0.91
10237	1,1,2-Trichloroethane	79-00-5	22	1	6	0.91
10237	Trichloroethene	79-01-6	23	1	6	0.91
10237	Trichlorofluoromethane	75-69-4	24	2	6	0.91

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	24	1	6	0.91
10237	Vinyl Acetate	108-05-4	62	2	11	0.86
10237	Vinyl Chloride	75-01-4	23	1	6	0.91
10237	Xylene (Total)	1330-20-7	70	1	6	0.91
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,000	4	21	1
10726	Acenaphthylene	208-96-8	2,100	4	21	1
10726	Acetophenone	98-86-2	1,700	21	42	1
10726	2-Acetylaminofluorene	53-96-3	2,200	84	210	1
10726	4-Aminobiphenyl	92-67-1	660	210	630	1
10726	Aniline	62-53-3	1,000	210	630	1
10726	Anthracene	120-12-7	2,000	4	21	1
10726	Benzo(a)anthracene	56-55-3	2,000	4	21	1
10726	Benzo(a)pyrene	50-32-8	2,000	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	2,000	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	1,900	4	21	1
10726	Benzyl alcohol	100-51-6	1,900	210	630	1
10726	1,1'-Biphenyl	92-52-4	1,900	21	42	1
10726	4-Bromophenyl-phenylether	101-55-3	2,000	21	42	1
10726	Butylbenzylphthalate	85-68-7	2,100	84	210	1
10726	Di-n-butylphthalate	84-74-2	2,100	84	210	1
10726	4-Chloro-3-methylphenol	59-50-7	2,000	21	42	1
10726	4-Chloroaniline	106-47-8	1,100	21	42	1
10726	Chlorobenzilate	510-15-6	2,400	42	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,900	21	42	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,800	21	42	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,900	21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,800	9	42	1
10726	2-Chlorophenol	95-57-8	2,100	21	42	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,900	21	42	1
10726	Chrysene	218-01-9	1,900	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	2,100	42	210	1
10726	Dibenz(a,h)anthracene	53-70-3	2,100	4	21	1
10726	Dibenzofuran	132-64-9	1,900	21	42	1
10726	1,2-Dichlorobenzene	95-50-1	1,900	21	42	1
10726	1,3-Dichlorobenzene	541-73-1	1,900	21	42	1
10726	1,4-Dichlorobenzene	106-46-7	1,900	21	42	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,200	130	420	1
10726	2,4-Dichlorophenol	120-83-2	2,000	21	42	1
10726	2,6-Dichlorophenol	87-65-0	2,100	21	42	1
10726	Diethylphthalate	84-66-2	1,900	84	210	1
10726	Dimethoate	60-51-5	1,800	210	630	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,100	84	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	2,000	21	42	1
10726	3,3'-Dimethylbenzidine	119-93-7	630	U 630	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	1,900	21	42	1
10726	Dimethylphthalate	131-11-3	1,900	84	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,100	210	630	1
10726	1,3-Dinitrobenzene	99-65-0	2,000	84	210	1
10726	2,4-Dinitrophenol	51-28-5	4,000	380	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	2,000	84	210	1
10726	2,6-Dinitrotoluene	606-20-2	2,100	21	42	1
10726	1,4-Dioxane	123-91-1	1,400	130	420	1
10726	Diphenyl ether	101-84-8	2,000	21	42	1
10726	Ethyl methanesulfonate	62-50-0	640	84	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,100	84	210	1
10726	Fluoranthene	206-44-0	1,900	4	21	1
10726	Fluorene	86-73-7	1,900	4	21	1
10726	Hexachlorobenzene	118-74-1	1,900	4	21	1
10726	Hexachlorobutadiene	87-68-3	1,900	21	42	1
10726	Hexachlorocyclopentadiene	77-47-4	4,600	210	630	1
10726	Hexachloroethane	67-72-1	1,900	42	210	1
10726	Hexachloropropene	1888-71-7	2,100	130	420	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,000	4	21	1
10726	Isodrin	465-73-6	2,000	21	42	1
10726	Isophorone	78-59-1	2,000	21	42	1
10726	Isosafrole	120-58-1	2,200	84	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,300	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	42	U 42	210	1
10726	3-Methylcholanthrene	56-49-5	2,300	21	42	1
10726	2-Methylnaphthalene	91-57-6	1,900	4	21	1
10726	2-Methylphenol	95-48-7	2,000	21	42	1
10726	4-Methylphenol	106-44-5	1,800	21	42	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	2,000	4	21	1
10726	1,4-Napthoquinone	130-15-4	2,100	J 1,000	4,200	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	420	J 210	630	1
10726	2-Naphthylamine	91-59-8	210	U 210	630	1
10726	2-Nitroaniline	88-74-4	2,300	21	42	1
10726	3-Nitroaniline	99-09-2	1,300	84	210	1
10726	4-Nitroaniline	100-01-6	1,600	84	210	1
10726	Nitrobenzene	98-95-3	1,900	21	42	1
10726	5-Nitro-o-toluidine	99-55-8	1,800	210	630	1
10726	2-Nitrophenol	88-75-5	2,200	21	42	1
10726	4-Nitrophenol	100-02-7	2,100	210	630	1
10726	4-Nitroquinoline-1-oxide	56-57-5	22,000	E 420	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	1,900	21	42	1
10726	N-Nitrosodimethylamine	62-75-9	1,700	84	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	1,900	84	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,800	21	42	1
10726	N-Nitrosodiphenylamine	86-30-6	2,000	21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	1,700	84	210	1
10726	N-Nitrosomorpholine	59-89-2	1,900	84	210	1
10726	N-Nitrosopiperidine	100-75-4	2,000	21	42	1
10726	N-Nitrosopyrrolidine	930-55-2	1,900	21	42	1
10726	Di-n-octylphthalate	117-84-0	2,400	84	210	1
10726	Pentachlorobenzene	608-93-5	1,900	21	42	1
10726	Pentachloronitrobenzene	82-68-8	2,100	84	210	1
10726	Pentachlorophenol	87-86-5	1,600	42	210	1
10726	Phenacetin	62-44-2	2,100	84	210	1
10726	Phenanthrene	85-01-8	1,800	4	21	1
10726	Phenol	108-95-2	1,900	21	42	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	42,000	1
10726	2-Picoline	109-06-8	1,500	130	420	1
10726	Pronamide	23950-58-5	2,200	42	210	1
10726	Pyrene	129-00-0	1,900	4	21	1
10726	Pyridine	110-86-1	1,400	84	210	1
10726	Safrole	94-59-7	2,000	84	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,900	21	42	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,000	84	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	2,000	84	210	1
10726	Thionazin	297-97-2	2,100	84	210	1
10726	o-Toluidine	95-53-4	970	250	840	1
10726	1,2,4-Trichlorobenzene	120-82-1	2,000	21	42	1
10726	2,4,5-Trichlorophenol	95-95-4	2,000	21	42	1
10726	2,4,6-Trichlorophenol	88-06-2	2,200	21	42	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	2,000	84	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,700	210	630	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	190	6.3	13	1
12925	Ethylene glycol	107-21-1	200	6.3	13	1
12925	Propylene glycol	57-55-6	200	6.3	13	1
12925	Triethylene glycol	112-27-6	160	6.3	13	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	293	0.0411	1.25	1
06947	Beryllium	7440-41-7	7.68	0.0834	1.25	1
06949	Cadmium	7440-43-9	6.00	0.0411	1.25	1
06951	Chromium	7440-47-3	28.2	0.137	3.74	1
06952	Cobalt	7440-48-4	62.4	0.120	1.25	1
06953	Copper	7440-50-8	34.2	0.411	2.49	1
06961	Nickel	7440-02-0	62.9	0.187	2.49	1
06966	Silver	7440-22-4	5.75	0.237	1.25	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	452	0.536	24.9	1
06971	Vanadium	7440-62-2	75.6	0.113	1.25	1
06972	Zinc	7440-66-6	90.9	0.324	4.98	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.845	0.105	0.498	2
06125	Arsenic	7440-38-2	3.30	0.106	0.996	2
06135	Lead	7439-92-1	12.5	0.0160	0.498	2
06141	Selenium	7782-49-2	2.70	0.125	0.996	2
06145	Thallium	7440-28-0	0.796	0.0374	0.249	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.205 J	0.0123	0.245	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	20.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 16:25	Chelsea B Stong	0.91
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 17:12	Chelsea B Stong	0.86
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434636416	12/09/2014 13:46	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434636416	12/09/2014 13:46	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 10:58	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 02:30	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 MSD Soil
SOIL 2014

LL Sample # SW 7709597
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:28	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:52	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:52	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:52	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:52	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:52	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:53	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Dupl Soil
SOIL 2014

LL Sample # SW 7709598
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1504

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	56.3	0.0411	1.25	1
06947	Beryllium	7440-41-7	1.08 J	0.0834	1.25	1
06949	Cadmium	7440-43-9	0.0909 J	0.0411	1.25	1
06951	Chromium	7440-47-3	3.91	0.137	3.74	1
06952	Cobalt	7440-48-4	3.55	0.120	1.25	1
06953	Copper	7440-50-8	2.65	0.411	2.49	1
06961	Nickel	7440-02-0	4.06	0.187	2.49	1
06966	Silver	7440-22-4	0.237 U	0.237	1.25	1
06969	Tin	7440-31-5	2.99 J	0.536	24.9	1
06971	Vanadium	7440-62-2	13.8	0.113	1.25	1
06972	Zinc	7440-66-6	29.3	0.324	4.98	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.105 U	0.105	0.498	2
06125	Arsenic	7440-38-2	0.908 J	0.106	0.996	2
06135	Lead	7439-92-1	9.55	0.0160	0.498	2
06141	Selenium	7782-49-2	0.218 J	0.125	0.996	2
06145	Thallium	7440-28-0	0.299	0.0374	0.249	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0122 U	0.0122	0.243	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	20.5	0.50	0.50	1
00121	Moisture Duplicate	n.a.	21.2	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-4 Dupl Soil
SOIL 2014

LL Sample # SW 7709598
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 13:46 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1504

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:21	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:47	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:47	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:47	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:47	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:47	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:49	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1
00121	Moisture Duplicate	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1505

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	7	21	0.85
10237	Acetonitrile	75-05-8	26	U	110	0.85
10237	Acrolein	107-02-8	21	U	110	0.85
10237	Acrylonitrile	107-13-1	4	U	21	0.85
10237	Allyl Chloride	107-05-1	1	U	5	0.85
10237	Benzene	71-43-2	0.5	U	5	0.85
10237	Bromodichloromethane	75-27-4	1	U	5	0.85
10237	Bromoform	75-25-2	1	U	5	0.85
10237	Bromomethane	74-83-9	2	U	5	0.85
10237	2-Butanone	78-93-3	4	U	11	0.85
10237	Carbon Disulfide	75-15-0	1	U	5	0.85
10237	Carbon Tetrachloride	56-23-5	1	U	5	0.85
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	5	0.85
10237	Chlorobenzene	108-90-7	1	U	5	0.85
10237	Chloroethane	75-00-3	2	U	5	0.85
10237	Chloroform	67-66-3	1	U	5	0.85
10237	Chloromethane	74-87-3	2	U	5	0.85
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	5	0.85
10237	Dibromochloromethane	124-48-1	1	U	5	0.85
10237	1,2-Dibromoethane	106-93-4	1	U	5	0.85
10237	Dibromomethane	74-95-3	1	U	5	0.85
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	53	0.85
10237	Dichlorodifluoromethane	75-71-8	2	U	5	0.85
10237	1,1-Dichloroethane	75-34-3	1	U	5	0.85
10237	1,2-Dichloroethane	107-06-2	1	U	5	0.85
10237	1,1-Dichloroethene	75-35-4	1	U	5	0.85
10237	cis-1,2-Dichloroethene	156-59-2	1	U	5	0.85
10237	trans-1,2-Dichloroethene	156-60-5	1	U	5	0.85
10237	1,2-Dichloropropane	78-87-5	1	U	5	0.85
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	5	0.85
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	5	0.85
10237	Ethyl Methacrylate	97-63-2	1	U	5	0.85
10237	Ethylbenzene	100-41-4	1	U	5	0.85
10237	2-Hexanone	591-78-6	3	U	11	0.85
10237	Isobutyl Alcohol	78-83-1	110	U	260	0.85
10237	Methacrylonitrile	126-98-7	5	U	53	0.85
10237	Methyl Iodide	74-88-4	3	U	5	0.85
10237	Methyl Methacrylate	80-62-6	1	U	5	0.85
10237	4-Methyl-2-pentanone	108-10-1	3	U	11	0.85
10237	Methylene Chloride	75-09-2	2	U	5	0.85
10237	Pentachloroethane	76-01-7	1	U	5	0.85
10237	Propionitrile	107-12-0	32	U	110	0.85
10237	Styrene	100-42-5	1	U	5	0.85
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	5	0.85
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	5	0.85
10237	Tetrachloroethene	127-18-4	1	U	5	0.85
10237	Toluene	108-88-3	1	U	5	0.85
10237	1,1,1-Trichloroethane	71-55-6	1	U	5	0.85
10237	1,1,2-Trichloroethane	79-00-5	1	U	5	0.85
10237	Trichloroethene	79-01-6	1	U	5	0.85
10237	Trichlorofluoromethane	75-69-4	2	U	5	0.85

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1505

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.85
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.85
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.85
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.85
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	20 U	20	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	610	1
10726	Aniline	62-53-3	200 U	200	610	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	6 J	4	21	1
10726	Benzo(a)pyrene	50-32-8	5 J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	7 J	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	4 J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	21	1
10726	Benzyl alcohol	100-51-6	200 U	200	610	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	41	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	200	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	41	1
10726	4-Chloroaniline	106-47-8	20 U	20	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	41	1
10726	Chrysene	218-01-9	6 J	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	20 U	20	41	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	41	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	41	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	41	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	41	1
10726	Diethylphthalate	84-66-2	82 U	82	200	1
10726	Dimethoate	60-51-5	200 U	200	610	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	610 U	610	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1505

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	610	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	200	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	20	U 20	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	4	U 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	610	1
10726	Hexachloroethane	67-72-1	41	U 41	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	21	1
10726	Isodrin	465-73-6	20	U 20	41	1
10726	Isophorone	78-59-1	20	U 20	41	1
10726	Isosafrole	120-58-1	82	U 82	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,100	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	41	U 41	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	20	U 20	41	1
10726	4-Methylphenol	106-44-5	20	U 20	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,100	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	610	1
10726	2-Naphthylamine	91-59-8	200	U 200	610	1
10726	2-Nitroaniline	88-74-4	20	U 20	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	200	1
10726	4-Nitroaniline	100-01-6	82	U 82	200	1
10726	Nitrobenzene	98-95-3	20	U 20	41	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	610	1
10726	2-Nitrophenol	88-75-5	20	U 20	41	1
10726	4-Nitrophenol	100-02-7	200	U 200	610	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	200	1

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Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1505

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	41	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	200	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	41	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	200	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	200	1
10726	Phenanthrene	85-01-8	4	U 4	21	1
10726	Phenol	108-95-2	20	U 20	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	200	1
10726	Pyrene	129-00-0	5	J 4	21	1
10726	Pyridine	110-86-1	82	U 82	200	1
10726	Safrole	94-59-7	82	U 82	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	200	1
10726	Thionazin	297-97-2	82	U 82	200	1
10726	o-Toluidine	95-53-4	250	U 250	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	610	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.2	U 6.2	12	1
12925	Ethylene glycol	107-21-1	6.2	U 6.2	12	1
12925	Propylene glycol	57-55-6	6.2	U 6.2	12	1
12925	Triethylene glycol	112-27-6	6.2	U 6.2	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	54.9	0.0408	1.24	1
06947	Beryllium	7440-41-7	1.06	J 0.0829	1.24	1
06949	Cadmium	7440-43-9	0.0780	J 0.0408	1.24	1
06951	Chromium	7440-47-3	4.07	0.136	3.71	1
06952	Cobalt	7440-48-4	3.74	0.119	1.24	1
06953	Copper	7440-50-8	2.86	0.408	2.48	1
06961	Nickel	7440-02-0	3.80	0.186	2.48	1
06966	Silver	7440-22-4	0.235	U 0.235	1.24	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15
Reported: 12/24/2014 10:40

S1505

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	2.89 J	0.532	24.8	1
06971	Vanadium	7440-62-2	15.2	0.113	1.24	1
06972	Zinc	7440-66-6	29.5	0.322	4.95	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.104 U	0.104	0.495	2
06125	Arsenic	7440-38-2	1.07	0.106	0.990	2
06135	Lead	7439-92-1	9.02	0.0159	0.495	2
06141	Selenium	7782-49-2	0.236 J	0.124	0.990	2
06145	Thallium	7440-28-0	0.318	0.0371	0.248	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0123 U	0.0123	0.245	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 17:35	Chelsea B Stong	0.85
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434636416	12/09/2014 16:10	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434636416	12/09/2014 16:10	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434636416	12/09/2014 16:10	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 11:23	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:02	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU15-SBS-5 Soil
SOIL 2014

LL Sample # SW 7709599
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/09/2014 16:10 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S1505

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:36	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:57	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:57	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:57	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:57	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:57	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:55	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	27	7	20	0.84
10237	Acetonitrile	75-05-8	25 U	25	99	0.84
10237	Acrolein	107-02-8	20 U	20	99	0.84
10237	Acrylonitrile	107-13-1	4 U	4	20	0.84
10237	Allyl Chloride	107-05-1	1 U	1	5	0.84
10237	Benzene	71-43-2	0.5 U	0.5	5	0.84
10237	Bromodichloromethane	75-27-4	1 U	1	5	0.84
10237	Bromoform	75-25-2	1 U	1	5	0.84
10237	Bromomethane	74-83-9	2 U	2	5	0.84
10237	2-Butanone	78-93-3	4 U	4	10	0.84
10237	Carbon Disulfide	75-15-0	1 U	1	5	0.84
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.84
10237	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	0.84
10237	Chlorobenzene	108-90-7	1 U	1	5	0.84
10237	Chloroethane	75-00-3	2 U	2	5	0.84
10237	Chloroform	67-66-3	1 U	1	5	0.84
10237	Chloromethane	74-87-3	2 U	2	5	0.84
10237	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	0.84
10237	Dibromochloromethane	124-48-1	1 U	1	5	0.84
10237	1,2-Dibromoethane	106-93-4	1 U	1	5	0.84
10237	Dibromomethane	74-95-3	1 U	1	5	0.84
10237	trans-1,4-Dichloro-2-butene	110-57-6	10 U	10	49	0.84
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.84
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.84
10237	1,2-Dichloroethane	107-06-2	1 U	1	5	0.84
10237	1,1-Dichloroethene	75-35-4	1 U	1	5	0.84
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.84
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.84
10237	1,2-Dichloropropane	78-87-5	1 U	1	5	0.84
10237	cis-1,3-Dichloropropene	10061-01-5	1 U	1	5	0.84
10237	trans-1,3-Dichloropropene	10061-02-6	1 U	1	5	0.84
10237	Ethyl Methacrylate	97-63-2	1 U	1	5	0.84
10237	Ethylbenzene	100-41-4	1 U	1	5	0.84
10237	2-Hexanone	591-78-6	3 U	3	10	0.84
10237	Isobutyl Alcohol	78-83-1	99 U	99	250	0.84
10237	Methacrylonitrile	126-98-7	5 U	5	49	0.84
10237	Methyl Iodide	74-88-4	3 U	3	5	0.84
10237	Methyl Methacrylate	80-62-6	1 U	1	5	0.84
10237	4-Methyl-2-pentanone	108-10-1	3 U	3	10	0.84
10237	Methylene Chloride	75-09-2	2 U	2	5	0.84
10237	Pentachloroethane	76-01-7	1 U	1	5	0.84
10237	Propionitrile	107-12-0	30 U	30	99	0.84
10237	Styrene	100-42-5	1 U	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	630-20-6	1 U	1	5	0.84
10237	1,1,1,2-Tetrachloroethane	79-34-5	1 U	1	5	0.84
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.84
10237	Toluene	108-88-3	1 U	1	5	0.84
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.84
10237	1,1,2-Trichloroethane	79-00-5	1 U	1	5	0.84
10237	Trichloroethene	79-01-6	1 U	1	5	0.84
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.84

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.84
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.84
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.84
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.84
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	7	J 4	20	1
10726	Acenaphthylene	208-96-8	4	U 4	20	1
10726	Acetophenone	98-86-2	20	U 20	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	590	1
10726	Aniline	62-53-3	200	U 200	590	1
10726	Anthracene	120-12-7	4	U 4	20	1
10726	Benzo(a)anthracene	56-55-3	7	J 4	20	1
10726	Benzo(a)pyrene	50-32-8	7	J 4	20	1
10726	Benzo(b)fluoranthene	205-99-2	9	J 4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	7	J 4	20	1
10726	Benzo(k)fluoranthene	207-08-9	7	J 4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	590	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	200	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	39	1
10726	4-Chloroaniline	106-47-8	20	U 20	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	20	U 20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	39	1
10726	Chrysene	218-01-9	9	J 4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4	U 4	20	1
10726	Dibenzofuran	132-64-9	20	U 20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	39	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	39	1
10726	Diethylphthalate	84-66-2	78	U 78	200	1
10726	Dimethoate	60-51-5	200	U 200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590	U 590	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	20	U 20	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	7	J 4	20	1
10726	Fluorene	86-73-7	6	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	6	J 4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	78	U 78	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	220	4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	45	4	20	1
10726	1,4-Naphthoquinone	130-15-4	980	U 980	3,900	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	200	1
10726	4-Nitroaniline	100-01-6	78	U 78	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	200	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	200	1
10726	Phenanthrene	85-01-8	17	J 4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	11	J 4	20	1
10726	Pyridine	110-86-1	78	U 78	200	1
10726	Safrole	94-59-7	78	U 78	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	200	1
10726	Thionazin	297-97-2	78	U 78	200	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	45.9	0.0375	1.14	1
06947	Beryllium	7440-41-7	1.00	J 0.0762	1.14	1
06949	Cadmium	7440-43-9	0.123	J 0.0375	1.14	1
06951	Chromium	7440-47-3	6.40	0.125	3.41	1
06952	Cobalt	7440-48-4	2.09	0.109	1.14	1
06953	Copper	7440-50-8	5.34	0.375	2.27	1
06961	Nickel	7440-02-0	3.97	0.170	2.27	1
06966	Silver	7440-22-4	0.216	U 0.216	1.14	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06969	Tin	7440-31-5	3.17 J	0.489	22.7	1
06971	Vanadium	7440-62-2	11.6	0.103	1.14	1
06972	Zinc	7440-66-6	26.2	0.296	4.55	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0959 U	0.0959	0.455	2
06125	Arsenic	7440-38-2	1.34	0.0971	0.909	2
06135	Lead	7439-92-1	16.5	0.0146	0.455	2
06141	Selenium	7782-49-2	0.251 J	0.114	0.909	2
06145	Thallium	7440-28-0	0.307	0.0341	0.227	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0205 J	0.0113	0.227	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143501AA	12/16/2014 17:58	Chelsea B Stong	0.84
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434636416	12/10/2014 09:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434636416	12/10/2014 09:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434636416	12/10/2014 09:30	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 11:48	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:17	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SWMU2C-SBS-1 Soil
SOIL 2014

LL Sample # SW 7709600
LL Group # 1525204
Account # 06643

Project Name: BRE - SOIL

Collected: 12/10/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 09:15

Reported: 12/24/2014 10:40

S2C01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:40	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 07:59	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 07:59	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 07:59	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 07:59	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 07:59	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:57	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00111	Moisture	SM 2540 G-1997	1	14352820003A	12/18/2014 11:42	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: X143501AA										
Sample number(s): 7709595-7709597, 7709599-7709600										
Acetone	7	U	7.	20	ug/kg	93	97	53-141	5	30
Acetonitrile	25	U	25.	100	ug/kg	119		61-147		
Acrolein	20	U	20.	100	ug/kg	99	100	58-122	1	30
Acrylonitrile	4	U	4.	20	ug/kg	95	95	58-123	0	30
Allyl Chloride	1	U	1.	5	ug/kg	98	105	61-132	7	30
Benzene	0.5	U	0.5	5	ug/kg	100	102	80-120	2	30
Bromodichloromethane	1	U	1.	5	ug/kg	87	89	75-120	2	30
Bromoform	1	U	1.	5	ug/kg	78	80	70-126	2	30
Bromomethane	2	U	2.	5	ug/kg	80	87	32-162	8	30
2-Butanone	4	U	4.	10	ug/kg	105	100	62-123	4	30
Carbon Disulfide	1	U	1.	5	ug/kg	88	91	63-128	3	30
Carbon Tetrachloride	1	U	1.	5	ug/kg	94	96	69-130	2	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	93	95	73-120	2	30
Chlorobenzene	1	U	1.	5	ug/kg	97	100	80-120	3	30
Chloroethane	2	U	2.	5	ug/kg	83	86	17-171	4	30
Chloroform	1	U	1.	5	ug/kg	97	100	80-125	4	30
Chloromethane	2	U	2.	5	ug/kg	93	96	56-120	3	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	88	87	59-122	2	30
Dibromochloromethane	1	U	1.	5	ug/kg	88	90	77-120	2	30
1,2-Dibromoethane	1	U	1.	5	ug/kg	96	97	80-120	1	30
Dibromomethane	1	U	1.	5	ug/kg	93	93	80-120	1	30
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	105	104	70-128	1	30
Dichlorodifluoromethane	2	U	2.	5	ug/kg	91	94	26-137	3	30
1,1-Dichloroethane	1	U	1.	5	ug/kg	97	102	80-122	5	30
1,2-Dichloroethane	1	U	1.	5	ug/kg	94	97	77-130	4	30
1,1-Dichloroethene	1	U	1.	5	ug/kg	98	104	73-129	5	30
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	101	103	80-120	1	30
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	101	107	80-129	5	30
1,2-Dichloropropane	1	U	1.	5	ug/kg	99	103	80-120	4	30
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	85	88	74-120	3	30
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	92	95	76-120	3	30
Ethyl Methacrylate	1	U	1.	5	ug/kg	91	92	65-120	1	30
Ethylbenzene	1	U	1.	5	ug/kg	101	104	80-120	2	30
2-Hexanone	3	U	3.	10	ug/kg	107	101	51-120	6	30
Isobutyl Alcohol	100	U	100.	250	ug/kg	105	106	64-121	1	30
Methacrylonitrile	5	U	5.	50	ug/kg	105	103	73-127	2	30
Methyl Iodide	3	U	3.	5	ug/kg	89	95	72-130	7	30
Methyl Methacrylate	1	U	1.	5	ug/kg	89	90	60-120	1	30
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	103	99	57-123	4	30
Methylene Chloride	2	U	2.	5	ug/kg	92	97	80-124	5	30
Pentachloroethane	1	U	1.	5	ug/kg	90	94	71-120	5	30
Propionitrile	30	U	30.	100	ug/kg	112	115	63-131	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1 U	1.	5	ug/kg	101	102	76-120	1	30
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	91	94	80-120	4	30
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	97	100	71-123	3	30
Tetrachloroethene	1 U	1.	5	ug/kg	96	99	78-120	4	30
Toluene	1 U	1.	5	ug/kg	101	103	80-120	2	30
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	82	85	63-135	5	30
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	96	99	80-120	4	30
Trichloroethene	1 U	1.	5	ug/kg	96	100	80-125	5	30
Trichlorofluoromethane	2 U	2.	5	ug/kg	96	96	58-133	0	30
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	98	94	71-123	4	30
Vinyl Acetate	2 U	2.	10	ug/kg	69		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	95	96	59-120	1	30
Xylene (Total)	1 U	1.	5	ug/kg	101	103	80-120	2	30
Batch number: 14354SLF026 Sample number(s): 7709595-7709597, 7709599-7709600									
Acenaphthene	3 U	3.	17	ug/kg			83-111		
Acenaphthylene	3 U	3.	17	ug/kg			83-127		
Acetophenone	17 U	17.	33	ug/kg			76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg			78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg			14-89		
Aniline	170 U	170.	500	ug/kg			43-110		
Anthracene	3 U	3.	17	ug/kg		101	82-118		
Benzo(a) anthracene	3 U	3.	17	ug/kg		95	76-119		
Benzo(a) pyrene	3 U	3.	17	ug/kg		105	84-122		
Benzo(b) fluoranthene	3 U	3.	17	ug/kg		109	78-129		
Benzo(g,h,i) perylene	3 U	3.	17	ug/kg		99	77-121		
Benzo(k) fluoranthene	3 U	3.	17	ug/kg		99	79-120		
Benzy alcohol	170 U	170.	500	ug/kg		97	75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg		95	78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg		100	84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg		104	80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg		105	84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg		102	79-127		
4-Chloroaniline	17 U	17.	33	ug/kg		50	10-105		
Chlorobenzilate	33 U	33.	170	ug/kg		118	81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg		94	65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg		94	77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg		102	73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg		121	63-146		
2-Chlorophenol	17 U	17.	33	ug/kg		107	80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg		93	83-115		
Chrysene	3 U	3.	17	ug/kg		96	77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg		107	76-135		
Dibenz(a,h) anthracene	3 U	3.	17	ug/kg		104	81-123		
Dibenzofuran	17 U	17.	33	ug/kg		96	85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg		97	79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg		98	79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg		99	79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg		83	10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg		105	81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg		107	80-127		
Diethylphthalate	67 U	67.	170	ug/kg		96	81-118		

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Dimethoate	170 U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67	U 67.	170	ug/kg	102		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	115*		17-78		
7,12-Dimethylbenz[a]anthracene	17	U 17.	33	ug/kg	107		80-116		
2,4-Dimethylphenol	17	U 17.	33	ug/kg	99		83-120		
Dimethylphthalate	67	U 67.	170	ug/kg	98		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	98		67-131		
1,3-Dinitrobenzene	67	U 67.	170	ug/kg	100		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	93		42-131		
2,4-Dinitrotoluene	67	U 67.	170	ug/kg	97		81-122		
2,6-Dinitrotoluene	17	U 17.	33	ug/kg	105		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	59		33-86		
Diphenyl ether	17	U 17.	33	ug/kg	101		84-108		
Ethyl methanesulfonate	67	U 67.	170	ug/kg	98		77-121		
bis(2-Ethylhexyl)phthalate	67	U 67.	170	ug/kg	106		81-121		
Fluoranthene	3	U 3.	17	ug/kg	95		75-118		
Fluorene	3	U 3.	17	ug/kg	96		86-118		
Hexachlorobenzene	3	U 3.	17	ug/kg	95		80-121		
Hexachlorobutadiene	17	U 17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	122		60-157		
Hexachloroethane	33	U 33.	170	ug/kg	100		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3	U 3.	17	ug/kg	100		76-122		
Isodrin	17	U 17.	33	ug/kg	103		85-128		
Isophorone	17	U 17.	33	ug/kg	102		83-119		
Isosafrole	67	U 67.	170	ug/kg	112		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	98		70-130		
Methyl methanesulfonate	33	U 33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17	U 17.	33	ug/kg	114		85-126		
2-Methylnaphthalene	3	U 3.	17	ug/kg	98		83-109		
2-Methylphenol	17	U 17.	33	ug/kg	104		82-125		
4-Methylphenol	17	U 17.	33	ug/kg	94		75-119		
Naphthalene	3	U 3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	88		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	60		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	43		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	55		39-99		
2-Nitroaniline	17	U 17.	33	ug/kg	113		84-126		
3-Nitroaniline	67	U 67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U 67.	170	ug/kg	78		48-112		
Nitrobenzene	17	U 17.	33	ug/kg	96		80-115		
2-Nitrophenol	17	U 17.	33	ug/kg	111		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	94		64-121		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	101		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	79		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	102		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	90		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	95		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	98		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	131		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	99		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	77		46-133		
Phenacetin	67 U	67.	170	ug/kg	101		76-119		
Phenanthrene	3 U	3.	17	ug/kg	89		80-114		
Phenol	17 U	17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	83		64-108		
Pronamide	33 U	33.	170	ug/kg	104		72-119		
Pyrene	3 U	3.	17	ug/kg	95		81-114		
Pyridine	67 U	67.	170	ug/kg	77		51-109		
Safrole	67 U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	94		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	99		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	103		77-123		
Thionazin	67 U	67.	170	ug/kg	101		76-123		
o-Toluidine	200 U	200.	670	ug/kg	54		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	83		67-111		
Batch number: 143510049A	Sample number(s): 7709595-7709597,7709599-7709600								
Diethylene glycol	5.0 U	5.0	10	mg/kg	97		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	98		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	95		34-145		
Batch number: 143500637002	Sample number(s): 7709595-7709600								
Barium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	100		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.45 J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143500637002A	Sample number(s): 7709595-7709600								
Antimony	0.0844 U	0.0844	0.400	mg/kg	96		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	119		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	104		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	98		80-120		
Batch number: 143500637002B	Sample number(s): 7709595-7709600								
Selenium	0.100 U	0.100	0.800	mg/kg	106		80-120		
Batch number: 143500638001	Sample number(s): 7709595-7709600								
Mercury	0.0100 U	0.0100	0.200	mg/kg	99		80-120		
Batch number: 14352820003A	Sample number(s): 7709595-7709600								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X143501AA	Sample number(s): 7709595-7709597,7709599-7709600 UNSPK: 7709595								
Acetone	91	90	31-195	9	30				
Acetonitrile	96	95	41-166	5	30				
Acrolein	164	133	10-165	31*	30				
Acrylonitrile	95	90	48-139	16	30				
Allyl Chloride	118	97	55-154	29	30				
Benzene	126	100	55-143	33*	30				
Bromodichloromethane	114	90	53-136	33*	30				
Bromoform	108	88	50-144	30	30				
Bromomethane	125	102	42-168	30	30				
2-Butanone	105	101	37-163	13	30				
Carbon Disulfide	114	85	48-146	36*	30				
Carbon Tetrachloride	122	95	51-165	35*	30				
2-Chloro-1,3-butadiene	115	93	51-152	30	30				
Chlorobenzene	125	99	49-135	33*	30				
Chloroethane	120	93	39-152	35*	30				
Chloroform	124	97	61-142	33*	30				
Chloromethane	124	104	36-143	27	30				
1,2-Dibromo-3-chloropropane	96	84	34-165	23	30				
Dibromochloromethane	121	95	51-128	33*	30				
1,2-Dibromoethane	126	101	54-129	31*	30				
Dibromomethane	120	98	57-130	30	30				
trans-1,4-Dichloro-2-butene	108	97	31-144	20	30				
Dichlorodifluoromethane	124	100	26-151	31*	30				
1,1-Dichloroethane	118	95	63-142	31*	30				
1,2-Dichloroethane	121	98	54-143	30	30				
1,1-Dichloroethene	126	98	61-149	34*	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
cis-1,2-Dichloroethene	123	100	67-135	31*	30				
trans-1,2-Dichloroethene	125	100	64-144	32*	30				
1,2-Dichloropropane	122	98	54-144	32*	30				
cis-1,3-Dichloropropene	95	84	45-137	22	30				
trans-1,3-Dichloropropene	108	91	51-134	26	30				
Ethyl Methacrylate	105	92	35-134	23	30				
Ethylbenzene	131	103	44-141	34*	30				
2-Hexanone	124	105	32-160	26	30				
Isobutyl Alcohol	151	128	44-158	26	30				
Methacrylonitrile	121	104	54-142	25	30				
Methyl Iodide	116	95	52-139	29	30				
Methyl Methacrylate	108	95	42-134	23	30				
4-Methyl-2-pentanone	118	106	46-139	20	30				
Methylene Chloride	114	92	60-149	30	30				
Pentachloroethane	117	95	35-145	30	30				
Propionitrile	181*	147	40-151	30	30				
Styrene	117	94	35-134	31*	30				
1,1,1,2-Tetrachloroethane	116	91	55-139	34*	30				
1,1,2,2-Tetrachloroethane	124	102	29-182	29	30				
Tetrachloroethene	133	102	42-149	35*	30				
Toluene	132	102	50-146	35*	30				
1,1,1-Trichloroethane	105	82	52-146	34*	30				
1,1,2-Trichloroethane	122	97	58-152	32*	30				
Trichloroethene	125	100	53-144	32*	30				
Trichlorofluoromethane	133	105	47-163	33*	30				
1,2,3-Trichloropropane	123	103	36-180	27	30				
Vinyl Acetate	62	58	21-139	12	30				
Vinyl Chloride	130	103	50-154	32*	30				
Xylene (Total)	131	102	44-136	34*	30				

Batch number: 14354SLF026	Sample number(s): 7709595-7709597,7709599-7709600 UNSPK: 7709595				
Acenaphthene	93	92	55-132	1	30
Acenaphthylene	102	101	53-143	2	30
Acetophenone	84	83	67-111	1	30
2-Acetylaminofluorene	108	104	48-138	3	30
4-Aminobiphenyl	32	32	10-80	0	30
Aniline	49	48	23-96	3	30
Anthracene	95	94	42-147	1	30
Benzo(a)anthracene	94	93	32-150	2	30
Benzo(a)pyrene	95	95	36-151	0	30
Benzo(b)fluoranthene	101	101	29-150	0	30
Benzo(g,h,i)perylene	94	94	41-147	0	30
Benzo(k)fluoranthene	88	91	35-146	3	30
Benzyl alcohol	92	91	69-131	0	30
1,1'-Biphenyl	91	89	57-123	1	30
4-Bromophenyl-phenylether	94	94	58-142	0	30
Butylbenzylphthalate	100	99	50-137	1	30
Di-n-butylphthalate	101	100	57-130	1	30
4-Chloro-3-methylphenol	93	95	39-150	1	30
4-Chloroaniline	52	50	10-100	3	30
Chlorobenzilate	111	113	79-128	2	30
bis(2-Chloroethoxy)methane	89	91	54-128	2	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
bis(2-Chloroethyl)ether	87	88	69-114	1	30				
bis(2-Chloroisopropyl)ether	90	90	62-120	0	30				
2-Chloronaphthalene	86	87	40-156	0	30				
2-Chlorophenol	98	99	35-152	0	30				
4-Chlorophenyl-phenylether	92	90	56-130	2	30				
Chrysene	92	90	28-146	2	30				
Diallate TRANS/CIS	100	102	45-145	1	30				
Dibenz(a,h)anthracene	100	98	54-142	2	30				
Dibenzofuran	90	89	46-137	1	30				
1,2-Dichlorobenzene	92	90	45-133	1	30				
1,3-Dichlorobenzene	92	91	45-129	1	30				
1,4-Dichlorobenzene	93	92	44-132	1	30				
3,3'-Dichlorobenzidine	64	58	10-143	9	30				
2,4-Dichlorophenol	94	96	39-153	2	30				
2,6-Dichlorophenol	97	100	56-133	3	30				
Diethylphthalate	93	92	54-127	1	30				
Dimethoate	86	86	39-178	0	30				
p-Dimethylaminoazobenzene	99	100	77-123	1	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	97	97	44-139	1	30				
2,4-Dimethylphenol	88	90	38-140	2	30				
Dimethylphthalate	94	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	99	99	10-148	0	30				
1,3-Dinitrobenzene	96	96	73-116	0	30				
2,4-Dinitrophenol	98	95	20-143	3	30				
2,4-Dinitrotoluene	95	95	39-144	0	30				
2,6-Dinitrotoluene	102	100	54-134	3	30				
1,4-Dioxane	69	69	10-98	0	30				
Diphenyl ether	95	94	54-125	1	30				
Ethyl methanesulfonate	23*	30*	44-120	26	30				
bis(2-Ethylhexyl)phthalate	102	100	52-138	2	30				
Fluoranthene	90	89	41-135	2	30				
Fluorene	92	90	55-128	2	30				
Hexachlorobenzene	88	88	46-132	0	30				
Hexachlorobutadiene	91	91	65-125	1	30				
Hexachlorocyclopentadiene	108	109	10-153	1	30				
Hexachloroethane	92	92	24-138	1	30				
Hexachloropropene	95	98	39-124	3	30				
Indeno(1,2,3-cd)pyrene	95	94	44-147	1	30				
Isodrin	95	95	10-143	0	30				
Isophorone	93	94	68-119	1	30				
Isosafrole	106	106	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	106	108	65-123	1	30				
2-Methylnaphthalene	89	90	39-140	2	30				
2-Methylphenol	95	96	36-149	1	30				
4-Methylphenol	86	85	29-143	0	30				
Naphthalene	92	92	44-142	1	30				
1,4-Naphthoquinone	98	99	70-130	1	30				
1-Naphthylamine	11	10	10-92	9	30				
2-Naphthylamine	7*	0*	10-71	200*	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
5-Nitro-o-toluidine	90	87	33-107	4	30				
2-Nitroaniline	109	108	64-131	1	30				
3-Nitroaniline	70	63	31-145	10	30				
4-Nitroaniline	79	76	30-131	4	30				
Nitrobenzene	88	89	41-141	1	30				
2-Nitrophenol	100	103	45-146	3	30				
4-Nitrophenol	108	102	25-142	5	30				
4-Nitroquinoline-1-oxide	109	104	10-160	4	30				
N-Nitroso-di-n-propylamine	86	86	58-126	0	30				
N-Nitrosodi-n-butylamine	89	89	38-136	0	30				
N-Nitrosodiethylamine	91	91	56-112	0	30				
N-Nitrosodimethylamine	82	82	61-110	0	30				
N-Nitrosodiphenylamine	95	95	59-135	0	30				
N-Nitrosomethylethylamine	83	83	54-118	1	30				
N-Nitrosomorpholine	88	89	72-121	1	30				
N-Nitrosopiperidine	94	96	48-131	1	30				
N-Nitrosopyrrolidine	91	92	59-131	1	30				
Di-n-octylphthalate	114	117	54-151	3	30				
Pentachlorobenzene	91	92	69-119	1	30				
Pentachloronitrobenzene	96	98	78-116	3	30				
Pentachlorophenol	82	79	23-145	4	30				
Phenacetin	100	99	69-121	2	30				
Phenanthrene	80	79	42-141	1	30				
Phenol	89	88	61-130	1	30				
2-Picoline	70	70	55-104	0	30				
Pronamide	105	104	69-130	1	30				
Pyrene	87	87	37-140	1	30				
Pyridine	68	69	16-108	1	30				
Safrole	92	95	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	90	89	71-120	2	30				
2,3,4,6-Tetrachlorophenol	97	94	62-132	3	30				
Tetraethyldithiopyrophosphate	92	95	76-126	3	30				
Thionazin	102	101	65-123	1	30				
o-Toluidine	48	46	21-84	3	30				
1,2,4-Trichlorobenzene	93	94	50-139	1	30				
2,4,5-Trichlorophenol	98	97	64-131	1	30				
2,4,6-Trichlorophenol	104	103	60-136	1	30				
O,O,O-Triethylphosphorothioate	92	93	70-119	2	30				
1,3,5-Trinitrobenzene	81	82	10-113	1	30				

Batch number: 143510049A	Sample number(s): 7709595-7709597,7709599-7709600 UNSPK: 7709595
Diethylene glycol	70 70 48-124 1 20
Ethylene glycol	76 75 68-115 2 20
Propylene glycol	80 78 71-115 2 20
Triethylene glycol	58 62 23-139 7 20

Batch number: 143500637002	Sample number(s): 7709595-7709600 UNSPK: 7709595 BKG: 7709595
Barium	98 95 75-125 2 20 45.8 44.7 2 20
Beryllium	106 105 75-125 1 20 0.881 J 0.857 J 3 (1) 20
Cadmium	95 95 75-125 0 20 0.0723 J 0.0723 J 0 (1) 20
Chromium	97 97 75-125 0 20 3.30 3.11 6 (1) 20
Cobalt	95 94 75-125 1 20 3.05 2.82 8 (1) 20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>
Copper	103	101	75-125	2	20	2.29	2.10	8 (1)	20
Nickel	95	95	75-125	0	20	3.20	3.23	1 (1)	20
Silver	93	92	75-125	1	20	0.188 U	0.188 U	0 (1)	20
Tin	90	90	75-125	0	20	2.27 J	2.37 J	5 (1)	20
Vanadium	100	99	75-125	1	20	10.8	10.9	1	20
Zinc	100	97	75-125	2	20	24.4	23.3	5	20
Batch number: 143500637002A Sample number(s): 7709595-7709600 UNSPK: 7709595 BKG: 7709595									
Antimony	52*	57*	75-125	9	20	0.0836 U	0.0836 U	0 (1)	20
Arsenic	99	88	75-125	9	20	0.892	0.722 J	21* (1)	20
Lead	152*	80	75-125	19	20	7.59	7.59	0	20
Thallium	93	88	75-125	3	20	0.287	0.238	18 (1)	20
Batch number: 143500637002B Sample number(s): 7709595-7709600 UNSPK: 7709595 BKG: 7709595									
Selenium	99	98	75-125	0	20	0.200 J	0.174 J	14 (1)	20
Batch number: 143500638001 Sample number(s): 7709595-7709600 UNSPK: 7709595 BKG: 7709595									
Mercury	109	100	75-125	6	20	0.0096 U	0.0097 U	0 (1)	20
Batch number: 14352820003A Sample number(s): 7709595-7709600 BKG: 7709595									
Moisture						20.5	21.2	4	5
Moisture						20.5	21.2	4	5
Moisture Duplicate						20.5	21.2	4	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: X143501AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7709595	104	98	99	82
7709596	96	95	107	97
7709597	96	97	103	95
7709599	100	99	96	88
7709600	100	101	94	87
Blank	103	101	96	85
LCS	96	98	105	101
LCSD	96	97	103	100
MS	96	95	107	97
MSD	96	97	103	95
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14354SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7709595	86	91	87	88	92	108
7709596	85	90	82	86	90	98

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 10:40 AM

Group Number: 1525204

Surrogate Quality Control

7709597	86	92	83	89	92	100
7709599	89	93	90	91	93	113
7709600	83	88	81	87	90	107
Blank	86	93	89	91	96	137
LCS	94	99	88	95	97	107
MS	85	90	82	86	90	98
MSD	86	92	83	89	92	100
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: 4 Gylcol Compounds

Batch number: 143510049A

Tetramethylene glycol

7709595	70*
7709596	73
7709597	70*
7709599	74
7709600	73
Blank	91
LCS	92
MS	73
MSD	70*
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Analysis Request / Environmental Services Chain of Custody

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Group No.: 1535204 Sample Nos.: 7709595-600
Acc't: 06643 SF: 219983 SCR No.: 164180 Cooler No.: C17497 **30780**
Cooler Temperature upon receipt: 1.1 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:								
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																					
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																					
1300 Staton Road		Release No.:																					
Cedar Mountain NC 28718		PO Number: LBIO-67047																					
Sampler(s): <u>K. Stuart / M. Johnson</u>		Project Name: SOIL 2014																					
				Containers			APPX VOA's (8260)											Soils					
Sample Identification				Date Collected	Time Collected	Matrix		Volume (ml)	Preserv	No.											Condition upon receipt:		
SSP14-SWMU15-SBS-4				<u>12/9/14</u>	<u>1346</u>	SW		40	MeOH	1	X											<u>Intact</u>	
SSP14-SWMU15-SBS-4				<u>12/9/14</u>	<u>1346</u>	SW		40	NaHSO4	2	X											<u>Collected @ 55"-65"</u>	
SSP14-SWMU15-SBS-5				<u>12/9/14</u>	<u>1610</u>	SW		40	MeOH	1	X											<u>BLS</u>	
SSP14-SWMU15-SBS-5				<u>12/9/14</u>	<u>1610</u>	SW		40	NaHSO4	2	X											<u>Collected @</u>	
SSP14-SWMU15-SBS-04 ms				<u>12/9/14</u>	<u>1346</u>	SW		40	MeOH	1	X											<u>36"-42" bLS</u>	
SSP14-SWMU15-SBS-04 ms				<u>12/9/14</u>	<u>1346</u>	SW		40	NaHSO4	2	X											<u>MS 55"-65"</u>	
SSP14-SWMU15-SBS-04 ms(D)				<u>12/9/14</u>	<u>1346</u>	SW		40	MeOH	1	X											<u>MS 55"-65"</u>	
SSP14-SWMU15-SBS-04 ms(P)				<u>12/9/14</u>	<u>1346</u>	SW		40	NaHSO4	2	X											<u>MSD 55"-65"</u>	
SSP14-SWMU15-SBS- -D						SW	40	MeOH	1	X											<u>MSD 55"-65"</u>		
SSP14-SWMU15-SBS- -D						SW	40	NaHSO4	2	X											<u>BLS</u>		
<u>TR</u>																							
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:													
Bottles Relinquished by: <u>[Signature]</u>				Date: <u>12/11/14</u>	Time: <u>1600</u>	Bottles Received by:				Date:	Time:												
Bottles Relinquished by:				Date:	Time:	Bottles Received by:				Date:	Time:												
Bottles Relinquished by:				Date:	Time:	Bottles Received by:				Date:	Time:												
Bottles Relinquished by:				Date:	Time:	Bottles Received by: <u>[Signature]</u>				Date: <u>12/12/14</u>	Time: <u>9:15</u>												

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Group No.: 1525204 Sample Nos.: 7709595-600

Acc't: 06643 SF: 219983 SCR No.: 164180 Cooler No.: C17497 **30780**

Cooler Temperature upon receipt: 7.1 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:								
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			APPIX VOAs (8260) PCR by M/AF/10/11/12 G-2343																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																					
1300 Staton Road		Release No.:																					
Cedar Mountain NC 28718		PO Number: LBIO-67047																					
Sampler(s): <u>K. Stuart / M. Johnson</u>		Project Name: SOIL 2014																					
Sample Identification				Containers			Soils																
				Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Condition upon receipt:													
SSP14-SWMU2C-SBS-1				<u>12/10/14</u>	<u>0930</u>	<u>SW</u>	<u>40</u>	<u>MeOH</u>	<u>1</u>	<u>X</u>	<u>Intact</u>												
SSP14-SWMU2C-SBS-1				<u>12/10/14</u>	<u>0930</u>	<u>SW</u>	<u>40</u>	<u>NaHSO4</u>	<u>2</u>	<u>X</u>	<u>Collected</u>												
<u>TB-SS-5-121114</u>				<u>12/11/14</u>	<u>0800</u>	<u>SW</u>	<u>40</u>	<u>HCL</u>		<u>X</u>	<u>Soil Sample @ 67" - 74"</u>												
<u>TB-SS-5-121114-A</u>				<u>12/11/14</u>	<u>0800</u>	<u>SW</u>	<u>40</u>	<u>NONE</u>		<u>X</u>	<u>b/s</u>												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>														Special Instructions:									
Bottles Relinquished by: <u>Maria Johnson</u>				Date: <u>12/11/14</u>	Time: <u>1600</u>		Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:		Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:		Bottles Received by:				Date:	Time:											
Bottles Relinquished by:				Date:	Time:		Bottles Received by: <u>W. J. ...</u>				Date: <u>12/12/14</u>	Time: <u>9:15</u>											



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Analysis Request / Environmental Services Chain of Custody

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Group No.: 1525204 Sample Nos.: 7709595-600

Acc't: 06643 SF: 219983 SCR No.: 164180

Cooler No.: C27685 **30775**

Cooler Temperature upon receipt: 1.1 °C

Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:										
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																							
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																							
1300 Staton Road		Release No.:																							
Cedar Mountain NC 28718		PO Number: LBIO-67047																							
Sampler(s): <u>K. Stuegel / M. Johnson</u>		Project Name: SOIL 2014																							
Sample Identification				Containers			APPIX Metals (6010/6020/7471A)	Glycols (8015C)	APPIX Semivolatiles (8270)	Dowtherm + 1,4-Dioxane (8270D)	Moisture (2540 G)											Soils			
				Volume (ml)	Preserv	No.																Condition upon receipt:			
SSP14-SWMU2C-SBS-1	Date Collected: <u>12/10/14</u>	Time Collected: <u>0930</u>	Matrix: <u>SW</u>				X		X	X	X														Intact
SSP14-SWMU2C-SBS-1	Date Collected: <u>12/10/14</u>	Time Collected: <u>0930</u>	Matrix: <u>SW</u>					X																	Collected Soil Sample @ 67" - 74" BIS
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																					
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>12/11/14</u>	Time: <u>1600</u>	Bottles Received by:										Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:										Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:										Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>										Date: <u>12/12/14</u>	Time: <u>9:15</u>										

Client: DuPont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>12/12/2014 9:15</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	Yes		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4- HCl, 4- Unpreserved

Unpacked by Jordan Woods (6698) at 15:35 on 12/12/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	8013596-IR	1.1	IR	Wet	Y	Loose	N

Missing Sample Details

<u>Sample ID on COC</u>	<u>Comments</u>
TB	
TB-SS	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

**ADQM DATA REVIEW
NARRATIVE**

Site **BRE: BREVARD**

Project **ISM 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date November 5-21, 2014 and December 1-18, 2014

Analytical Protocol

<u>Laboratory</u>	<u>Analytical Method</u>	<u>Parameter(s)</u>
Eurofins Lancaster	SW846 6010C/6020A/7470A	APX IX Metals
Eurofins Lancaster	SW846 8270D	Apx IX SVOCs + 1,4-Dioxane
Eurofins Lancaster	SW846 8260B	Apx IX VOCs
Eurofins Lancaster	SW846 8082	PCBs
Eurofins Lancaster	SW846 8270D	Diphenyl Ether + Biphenyl
Eurofins Lancaster	SW846 7196	Hexavalent Chromium, Cr+6
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	OLM03.1	Moisture

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on November 12, 14, 19, 22, 2014 and December 4, 12, 20, 2014. The cooler temperatures were as follows: 0.8, 0.2, 0.6, 0.4, 0.4, 0.3, 0.3, 0.1, 0.3, 0.2, 0.1, 0.4, 0.5, 0.2, 0.2, 0.5, 0.6, 0.3, 0.3, 0.2, 1.1, 0.8, 0.4, 0.7, 0.4, 3.3, 0.8, 0.3, 0.1, 1.7, 0.1, 0.2, 0.4, 2.2, and 0.4 degrees C. The ADQM chemist doesn't believe the data to be impacted since the samples were cold but not frozen upon receipt.
- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:
 - Received only 1 container for % moisture for each sample on 11/12/14.
 - Four containers were received for SSP14-ISM-DU-2B but five were listed on the COC/1-1000 mL empty jar was received/TB-11-11-12-14 was listed on the COC/bottle was labelled TB-11-12-14 on 11/14/14.
 - One containers was received for SSP14-ISM-DU-2A but three were listed on the COC/1 bag was received for % moisture on 11/14/14.
 - One container was received for SSP14-ISM-DU-2B but three were listed on the COC/1 bag was received for % moisture on 11/14/14.
 - One TB-11-12-14 vial was received on 11/14/14/ COC listed 2 vials.
 - One container was received for SSP14-ISM-DU-2C but three were listed on the COC/1 bag was received for % moisture on 11/14/14.

- Received only 1 container for % moisture for each sample and one empty jar was received for SSP14-ISM-DU-4A on 11/22/14.
- Seven containers were received for SSP14-ISM-DU-4B but eight were listed on the COC/only four soil jars were received on 12/6/14.
- Nine containers were received for SSP14-ISM-DU-5A but eleven were listed on the COC/two jars were received empty 12/13/14.
- Nine containers were received for SSP14-ISM-DU-5B but eleven were listed on the COC/two jars were received empty 12/13/14.
- Eight containers were received for SSP14-ISM-DU-5C but eleven were listed on the COC/three jars were received empty 12/13/14.
- Nine containers were received for SSP14-ISM-DU-6A but twelve were listed on the COC/three jars were received empty 12/13/14.
- Nine containers were received for SSP14-ISM-DU-6B but twelve were listed on the COC/three jars were received empty 12/13/14.
- Eight containers were received for SSP14-ISM-DU-6C but twelve were listed on the COC/four jars were received empty 12/13/14
- Seven containers were received for SSP14-ISM-DU-7A but eleven were listed on the COC/four soil jars were received, 1 jar received empty 12/20/14.
- Seven containers were received for SSP14-ISM-DU-7B but eleven were listed on the COC/four soil jars were received, 4 jars received empty 12/20/14.
- Seven containers were received for SSP14-ISM-DU-7C but eleven were listed on the COC/four soil jars were received, 4 jars received empty 12/20/14.
- Twelve containers were received for SSP14-ISM-DU-8A but fourteen were listed on the COC/eight soil jars were received 12/20/14.
- Ten containers were received for SSP14-ISM-DU-8B but fourteen were listed on the COC/six soil jars were received, 2 jars received empty 12/20/14.
- Ten containers were received for SSP14-ISM-DU-8C but fourteen were listed on the COC/six soil jars were received, 2 jars received empty 12/20/14.
- Twelve containers were received for SSP14-ISM-DU-9A but sixteen were listed on the COC/eight soil jars were received 12/20/14.
- Ten containers were received for SSP14-ISM-DU-9B but sixteen were listed on the COC/six soil jars were received, 2 jars received empty 12/20/14.
- Ten containers were received for SSP14-ISM-DU-9C but sixteen were listed on the COC/six soil jars were received, 2 jars received empty 12/20/14.
- Thirteen VOA vials for EB-121814 were received but seven were listed on the COC/six extra HCL vials were received 12/20/14.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of the three non-detect results flagged $\delta R\ddot{o}$, rejected, unusable, due to holding time being exceeded by a factor of 2, or low Relative Percent Recovery, RPR, within the LCS/LCSD/MS/MSD and 6010C metals results flagged $\delta B\ddot{o}$, due to method blank contamination. Twelve 8015C non-detect results were flagged $\delta UJ\ddot{o}$, due to low surrogate recovery and holding time being exceeded. Twelve 8270D, non-detect results were flagged $\delta UJ\ddot{o}$, estimated, due to low RPR within the LCS/LCSD/MS/MSD. Several result were flagged $\delta J\ddot{o}$, estimated, due to high RPR within the MS/MSD or the quality review criteria between the REP (laboratory replicate) and the parent sample were exceeded. Results detected between the method detection limit (MDL) and practical

quantitation limit (PQL) were qualified or estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM database and processed through a series of data quality checks, which are a combination of software (Locus EIM database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard

Sampling Program: ISM 2014

Validation Options: LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded by a factor of 2. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-121814	12/18/2014	7722060	Hexavalent Chromium	0.0070	MG/L	MDL	0.0070	0.020	R	7196A		

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-121814	12/18/2014	7722060	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1A	11/05/2014	7673752	Methapyrilene	1900	UG/KG	MDL	1900	5700	R	8270D		3546

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1A	11/05/2014	7673753	Tin	2.55	MG/KG	MDL	0.479	22.3	B	6010C		3050B
SSP14-ISM-DU-1B	11/07/2014	7673756	Tin	2.50	MG/KG	MDL	0.492	22.9	B	6010C		3050B
SSP14-ISM-DU-1C	11/10/2014	7673759	Tin	2.43	MG/KG	MDL	0.485	22.5	B	6010C		3050B
SSP14-ISM-DU-2A	11/12/2014	7677603	Tin	2.44	MG/KG	MDL	0.472	22.0	B	6010C		3050B
SSP14-ISM-DU-2B	11/13/2014	7677606	Tin	2.40	MG/KG	MDL	0.477	22.2	B	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Tin	2.90	MG/KG	MDL	0.491	22.8	B	6010C		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Tin	3.57	MG/KG	MDL	0.507	23.6	B	6010C		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Tin	3.52	MG/KG	MDL	0.480	22.3	B	6010C		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Tin	3.54	MG/KG	MDL	0.469	21.8	B	6010C		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Tin	2.85	MG/KG	MDL	0.506	23.5	B	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Tin	2.83	MG/KG	MDL	0.500	23.3	B	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Tin	2.58	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Tin	2.61	MG/KG	MDL	0.480	22.3	B	6010C		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Tin	3.49	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Tin	3.14	MG/KG	MDL	0.458	21.3	B	6010C		3050B
SSP14-ISM-DU-5A	12/09/2014	7710569	Tin	3.36	MG/KG	MDL	0.486	22.6	B	6010C		3050B
SSP14-ISM-DU-5B	12/09/2014	7710572	Tin	3.28	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-ISM-DU-5C	12/09/2014	7710575	Tin	3.38	MG/KG	MDL	0.471	21.9	B	6010C		3050B
SSP14-ISM-DU-6A	12/11/2014	7710578	Tin	3.63	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-ISM-DU-6B	12/11/2014	7710581	Tin	3.67	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-ISM-DU-6C	12/11/2014	7710584	Tin	3.50	MG/KG	MDL	0.487	22.6	B	6010C		3050B
SSP14-ISM-DU-7A	12/15/2014	7722024	Tin	2.57	MG/KG	MDL	0.473	22.0	B	6010C		3050B

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-7B	12/15/2014	7722027	Tin	2.87	MG/KG	MDL	0.472	22.0	B	6010C		3050B
SSP14-ISM-DU-7C	12/15/2014	7722030	Tin	2.38	MG/KG	MDL	0.485	22.6	B	6010C		3050B
SSP14-ISM-DU-8A	12/17/2014	7722033	Tin	3.76	MG/KG	MDL	0.471	21.9	B	6010C		3050B
SSP14-ISM-DU-8B	12/17/2014	7722036	Tin	3.88	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-ISM-DU-8C	12/17/2014	7722039	Tin	4.59	MG/KG	MDL	0.505	23.5	B	6010C		3050B
SSP14-ISM-DU-9B	12/18/2014	7722056	Tin	3.17	MG/KG	MDL	0.467	21.7	B	6010C		3050B
SSP14-ISM-DU-9A	12/18/2014	7722050	Tin	2.83	MG/KG	MDL	0.482	22.4	B	6010C		3050B
SSP14-ISM-DU-9C	12/18/2014	7722059	Tin	3.27	MG/KG	MDL	0.485	22.5	B	6010C		3050B

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1C	11/10/2014	7673758	Ethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1C	11/10/2014	7673758	Diethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1C	11/10/2014	7673758	Triethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1C	11/10/2014	7673758	Propylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1B	11/07/2014	7673755	Propylene Glycol	5800	UG/KG	MDL	5800	12000	UJ	8015C		8015C
SSP14-ISM-DU-1B	11/07/2014	7673755	Ethylene Glycol	5800	UG/KG	MDL	5800	12000	UJ	8015C		8015C
SSP14-ISM-DU-1B	11/07/2014	7673755	Diethylene Glycol	5800	UG/KG	MDL	5800	12000	UJ	8015C		8015C
SSP14-ISM-DU-1B	11/07/2014	7673755	Triethylene Glycol	5800	UG/KG	MDL	5800	12000	UJ	8015C		8015C

Validation Reason Code: The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1A	11/05/2014	7673752	Propylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1A	11/05/2014	7673752	Ethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1A	11/05/2014	7673752	Diethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C
SSP14-ISM-DU-1A	11/05/2014	7673752	Triethylene Glycol	5700	UG/KG	MDL	5700	11000	UJ	8015C		8015C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-6B	12/11/2014	7710580	Methapyrilene	1900	UG/KG	MDL	1900	5700	UJ	8270D		3546
SSP14-ISM-DU-6B	12/11/2014	7710580	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Hexachloropropylene	120	UG/KG	MDL	120	410	UJ	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Pronamide	41	UG/KG	MDL	41	200	UJ	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Methapyrilene	2000	UG/KG	MDL	2000	6100	UJ	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	1,2,4,5-Tetrachlorobenzene	20	UG/KG	MDL	20	41	UJ	8270D		3546

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-9A	12/18/2014	7722043	Methapyrilene	1800	UG/KG	MDL	1800	5500	UJ	8270D		3546
SSP14-ISM-DU-4A	11/21/2014	7686542	1,4-Naphthoquinone	960	UG/KG	MDL	960	3800	UJ	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673752	N-Nitrosodimethylamine	77	UG/KG	MDL	77	190	UJ	8270D		3546
SSP14-ISM-DU-1C	11/10/2014	7673759	Antimony	0.0951	MG/KG	MDL	0.0951	0.451	UJ	6020A		3050B
SSP14-ISM-DU-1B	11/07/2014	7673756	Antimony	0.0966	MG/KG	MDL	0.0966	0.458	UJ	6020A		3050B
SSP14-ISM-DU-1A	11/05/2014	7673753	Antimony	0.0941	MG/KG	MDL	0.0941	0.446	UJ	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-10C	12/02/2014	7700493	Thallium	0.369	MG/KG	MDL	0.0327	0.218	J	6020A		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Thallium	0.349	MG/KG	MDL	0.0354	0.236	J	6020A		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Thallium	0.379	MG/KG	MDL	0.0335	0.223	J	6020A		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Chromium	9.93	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Chromium	8.50	MG/KG	MDL	0.123	3.35	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Chromium	10.7	MG/KG	MDL	0.128	3.49	J	6010C		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Chromium	9.54	MG/KG	MDL	0.129	3.53	J	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Chromium	11.0	MG/KG	MDL	0.126	3.43	J	6010C		3050B
SSP14-ISM-DU-6B	12/11/2014	7710581	Lead	18.8	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-ISM-DU-5C	12/09/2014	7710575	Lead	16.5	MG/KG	MDL	0.0141	0.438	J	6020A		3050B
SSP14-ISM-DU-5A	12/09/2014	7710569	Lead	17.3	MG/KG	MDL	0.0145	0.452	J	6020A		3050B
SSP14-ISM-DU-5B	12/09/2014	7710572	Lead	16.2	MG/KG	MDL	0.0144	0.450	J	6020A		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Thallium	0.400	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Thallium	0.447	MG/KG	MDL	0.0320	0.213	J	6020A		3050B
SSP14-ISM-DU-8C	12/17/2014	7722039	Thallium	0.287	MG/KG	MDL	0.0353	0.235	J	6020A		3050B
SSP14-ISM-DU-9A	12/18/2014	7722050	Thallium	0.380	MG/KG	MDL	0.0336	0.224	J	6020A		3050B
SSP14-ISM-DU-9B	12/18/2014	7722056	Thallium	0.901	MG/KG	MDL	0.0326	0.217	J	6020A		3050B
SSP14-ISM-DU-9C	12/18/2014	7722059	Thallium	0.512	MG/KG	MDL	0.0338	0.225	J	6020A		3050B
SSP14-ISM-DU-7B	12/15/2014	7722027	Thallium	0.437	MG/KG	MDL	0.0330	0.220	J	6020A		3050B
SSP14-ISM-DU-7C	12/15/2014	7722030	Thallium	0.359	MG/KG	MDL	0.0339	0.226	J	6020A		3050B
SSP14-ISM-DU-8A	12/17/2014	7722033	Thallium	0.323	MG/KG	MDL	0.0328	0.219	J	6020A		3050B
SSP14-ISM-DU-8B	12/17/2014	7722036	Thallium	0.306	MG/KG	MDL	0.0337	0.225	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-6C	12/11/2014	7710584	Lead	19.7	MG/KG	MDL	0.0145	0.453	J	6020A		3050B
SSP14-ISM-DU-6A	12/11/2014	7710578	Lead	19.4	MG/KG	MDL	0.0144	0.450	J	6020A		3050B
SSP14-ISM-DU-7A	12/15/2014	7722024	Thallium	0.408	MG/KG	MDL	0.0330	0.220	J	6020A		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Selenium	0.637	MG/KG	MDL	0.107	0.852	J	6020A		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Selenium	0.643	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-ISM-DU-4A	11/21/2014	7686542	Acetophenone	27	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700490	Selenium	0.496	MG/KG	MDL	0.112	0.894	J	6020A		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Selenium	0.589	MG/KG	MDL	0.109	0.873	J	6020A		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Selenium	0.566	MG/KG	MDL	0.118	0.944	J	6020A		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1A	11/05/2014	7673751	Percent Moisture	12.9	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-1C	11/10/2014	7673759	Nickel	12.1	MG/KG	MDL	0.169	2.25	J	6010C		3050B
SSP14-ISM-DU-1B	11/07/2014	7673756	Nickel	14.6	MG/KG	MDL	0.172	2.29	J	6010C		3050B
SSP14-ISM-DU-1B	11/07/2014	7673754	Percent Moisture	14.3	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-1C	11/10/2014	7673757	Percent Moisture	13.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-2C	11/18/2014	7682389	Barium	65.1	MG/KG	MDL	0.0377	1.14	J	6010C		3050B
SSP14-ISM-DU-2A	11/12/2014	7677603	Nickel	21.1	MG/KG	MDL	0.165	2.20	J	6010C		3050B
SSP14-ISM-DU-2B	11/13/2014	7677606	Nickel	32.9	MG/KG	MDL	0.166	2.22	J	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Nickel	22.0	MG/KG	MDL	0.171	2.28	J	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Silver	3.39	MG/KG	MDL	0.217	1.14	J	6010C		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Arsenic	2.20	MG/KG	MDL	0.101	0.944	J	6020A		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Chromium	8.07	MG/KG	MDL	0.130	3.54	J	6010C		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Copper	6.45	MG/KG	MDL	0.389	2.36	J	6010C		3050B
SSP14-ISM-DU-10A	12/01/2011	7700487	Lead	17.6	MG/KG	MDL	0.0151	0.472	J	6020A		3050B
SSP14-ISM-DU-1A	11/05/2014	7673753	Nickel	12.0	MG/KG	MDL	0.167	2.23	J	6010C		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Arsenic	2.53	MG/KG	MDL	0.0932	0.873	J	6020A		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Chromium	12.2	MG/KG	MDL	0.120	3.27	J	6010C		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Copper	8.67	MG/KG	MDL	0.360	2.18	J	6010C		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Lead	20.8	MG/KG	MDL	0.0140	0.437	J	6020A		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Lead	16.3	MG/KG	MDL	0.0143	0.447	J	6020A		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Arsenic	2.49	MG/KG	MDL	0.0954	0.894	J	6020A		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Chromium	16.2	MG/KG	MDL	0.123	3.35	J	6010C		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Copper	8.35	MG/KG	MDL	0.369	2.23	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-3C	11/20/2014	7686536	Percent Moisture	14.5	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-4A	11/21/2014	7686545	Nickel	29.3	MG/KG	MDL	0.167	2.23	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Silver	40.1	MG/KG	MDL	0.212	1.12	J	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Barium	68.3	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Zinc	135	MG/KG	MDL	1.48	22.7	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Zinc	239	MG/KG	MDL	1.45	22.3	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Barium	78.5	MG/KG	MDL	0.0368	1.12	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686539	Percent Moisture	13.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-4B	12/04/2014	7700496	Chromium	10.0	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Copper	7.81	MG/KG	MDL	0.375	2.27	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Barium	54.5	MG/KG	MDL	0.0384	1.16	J	6010C		3050B
SSP14-ISM-DU-3A	11/19/2014	7686530	Percent Moisture	16.7	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-3B	11/19/2014	7686535	Nickel	21.9	MG/KG	MDL	0.174	2.33	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Silver	10.9	MG/KG	MDL	0.221	1.16	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Zinc	136	MG/KG	MDL	1.51	23.3	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686533	Percent Moisture	14.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-3C	11/20/2014	7686538	Nickel	14.9	MG/KG	MDL	0.170	2.27	J	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Silver	132	MG/KG	MDL	1.08	5.68	J	6010C		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Barium	60.9	MG/KG	MDL	0.0388	1.18	J	6010C		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Zinc	85.6	MG/KG	MDL	0.306	4.71	J	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Zinc	42.4	MG/KG	MDL	0.297	4.57	J	6010C		3050B
SSP14-ISM-DU-2C	11/18/2014	7682387	Percent Moisture	15.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-ISM-DU-3A	11/19/2014	7686532	Nickel	34.2	MG/KG	MDL	0.177	2.35	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-3A	11/19/2014	7686532	Silver	18.3	MG/KG	MDL	0.224	1.18	J	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Arsenic	2.59	MG/KG	MDL	0.0910	0.852	J	6020A		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Arsenic	2.74	MG/KG	MDL	0.0970	0.909	J	6020A		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Lead	21.5	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Lead	16.6	MG/KG	MDL	0.0137	0.426	J	6020A		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Chromium	7.16	MG/KG	MDL	0.117	3.20	J	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Copper	8.57	MG/KG	MDL	0.352	2.13	J	6010C		3050B
SSP14-ISM-DU-8C	12/17/2014	7722039	Antimony	0.657	MG/KG	MDL	0.0992	0.470	J	6020A		3050B
SSP14-ISM-DU-9A	12/18/2014	7722050	Antimony	13.2	MG/KG	MDL	0.0945	0.448	J	6020A		3050B
SSP14-ISM-DU-9B	12/18/2014	7722056	Antimony	3.90	MG/KG	MDL	0.0917	0.435	J	6020A		3050B
SSP14-ISM-DU-8B	12/17/2014	7722036	Antimony	0.577	MG/KG	MDL	0.0948	0.449	J	6020A		3050B
SSP14-ISM-DU-8A	12/17/2014	7722033	Antimony	0.505	MG/KG	MDL	0.0924	0.438	J	6020A		3050B
SSP14-ISM-DU-7B	12/15/2014	7722027	Antimony	1.12	MG/KG	MDL	0.0927	0.439	J	6020A		3050B
SSP14-ISM-DU-9C	12/18/2014	7722059	Antimony	2.45	MG/KG	MDL	0.0952	0.451	J	6020A		3050B
SSP14-ISM-DU-7C	12/15/2014	7722030	Antimony	0.261	MG/KG	MDL	0.0953	0.452	J	6020A		3050B
SSP14-ISM-DU-7A	12/15/2014	7722024	Antimony	0.353	MG/KG	MDL	0.0928	0.440	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-10A	12/01/2011	7700487	Zinc	44.1	MG/KG	MDL	0.307	4.72	J	6010C		3050B
SSP14-ISM-DU-10C	12/02/2014	7700493	Zinc	47.1	MG/KG	MDL	0.284	4.37	J	6010C		3050B
SSP14-ISM-DU-10B	12/02/2014	7700490	Zinc	44.0	MG/KG	MDL	0.290	4.47	J	6010C		3050B
SSP14-ISM-DU-4B	12/04/2014	7700496	Zinc	78.2	MG/KG	MDL	0.295	4.55	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Antimony	0.812	MG/KG	MDL	0.0981	0.465	J	6020A		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Mercury	0.265	MG/KG	MDL	0.0118	0.235	J	7471B		7471B
SSP14-ISM-DU-6B	12/11/2014	7710581	Antimony	0.918	MG/KG	MDL	0.0958	0.454	J	6020A		3050B
SSP14-ISM-DU-6A	12/11/2014	7710578	Antimony	0.463	MG/KG	MDL	0.0949	0.450	J	6020A		3050B
SSP14-ISM-DU-6C	12/11/2014	7710584	Antimony	0.484	MG/KG	MDL	0.0955	0.453	J	6020A		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Zinc	79.1	MG/KG	MDL	0.277	4.26	J	6010C		3050B
SSP14-ISM-DU-5A	12/09/2014	7710569	Antimony	0.205	MG/KG	MDL	0.0954	0.452	J	6020A		3050B
SSP14-ISM-DU-5B	12/09/2014	7710572	Antimony	0.123	MG/KG	MDL	0.0949	0.450	J	6020A		3050B
SSP14-ISM-DU-5C	12/09/2014	7710575	Antimony	0.116	MG/KG	MDL	0.0924	0.438	J	6020A		3050B
SSP14-ISM-DU-3A	11/19/2014	7686532	Antimony	0.465	MG/KG	MDL	0.0993	0.471	J	6020A		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Mercury	0.106	MG/KG	MDL	0.0115	0.230	J	7471B		7471B
SSP14-ISM-DU-3B	11/19/2014	7686535	Mercury	0.0517	MG/KG	MDL	0.0113	0.225	J	7471B		7471B
SSP14-ISM-DU-3C	11/20/2014	7686538	Antimony	0.379	MG/KG	MDL	0.0958	0.454	J	6020A		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Antimony	0.281	MG/KG	MDL	0.0942	0.446	J	6020A		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Mercury	0.0261	MG/KG	MDL	0.0114	0.229	J	7471B		7471B
SSP14-ISM-DU-2C	11/18/2014	7682389	Antimony	0.149	MG/KG	MDL	0.0964	0.457	J	6020A		3050B
SSP14-ISM-DU-2B	11/13/2014	7677606	Antimony	0.107	MG/KG	MDL	0.0936	0.444	J	6020A		3050B
SSP14-ISM-DU-2C	11/18/2014	7682389	Mercury	0.0204	MG/KG	MDL	0.0112	0.223	J	7471B		7471B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-2A	11/12/2014	7677603	Antimony	0.191	MG/KG	MDL	0.0927	0.439	J	6020A		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-9C	12/18/2014	7722059	Cadmium	0.120	MG/KG	MDL	0.0372	1.13	J	6010C		3050B
SSP14-ISM-DU-9C	12/18/2014	7722059	Selenium	0.404	MG/KG	MDL	0.113	0.902	J	6020A		3050B
SSP14-ISM-DU-9C	12/18/2014	7722058	Phenanthrene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-6C	12/11/2014	7710584	Mercury	0.0505	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-ISM-DU-7B	12/15/2014	7722027	Cadmium	0.210	MG/KG	MDL	0.0362	1.10	J	6010C		3050B
SSP14-ISM-DU-7B	12/15/2014	7722027	Selenium	0.524	MG/KG	MDL	0.110	0.879	J	6020A		3050B
SSP14-ISM-DU-7B	12/15/2014	7722026	Biphenyl	22	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-7C	12/15/2014	7722030	Mercury	0.0230	MG/KG	MDL	0.0108	0.216	J	7471B		7471B
SSP14-ISM-DU-7C	12/15/2014	7722030	Cadmium	0.230	MG/KG	MDL	0.0373	1.13	J	6010C		3050B
SSP14-ISM-DU-7C	12/15/2014	7722028	Trichlorofluoromethane	230	UG/KG	MDL	110	280	J	8260B		
SSP14-ISM-DU-7C	12/15/2014	7722030	Selenium	0.488	MG/KG	MDL	0.113	0.903	J	6020A		3050B
SSP14-ISM-DU-7C	12/15/2014	7722029	2-Methylnaphthalene	18	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-7C	12/15/2014	7722029	Biphenyl	26	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-8A	12/17/2014	7722032	Diphenyl Ether	37	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-8A	12/17/2014	7722032	Dibenzofuran	22	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-8A	12/17/2014	7722032	Acenaphthylene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8A	12/17/2014	7722033	Mercury	0.0239	MG/KG	MDL	0.0114	0.229	J	7471B		7471B
SSP14-ISM-DU-8A	12/17/2014	7722033	Cadmium	0.118	MG/KG	MDL	0.0361	1.09	J	6010C		3050B
SSP14-ISM-DU-8A	12/17/2014	7722033	Selenium	0.322	MG/KG	MDL	0.109	0.876	J	6020A		3050B
SSP14-ISM-DU-8A	12/17/2014	7722032	Naphthalene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8A	12/17/2014	7722032	2-Methylnaphthalene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8B	12/17/2014	7722035	Acenaphthylene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8B	12/17/2014	7722036	Mercury	0.0287	MG/KG	MDL	0.0109	0.218	J	7471B		7471B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-8B	12/17/2014	7722036	Cadmium	0.211	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-ISM-DU-8B	12/17/2014	7722036	Selenium	0.347	MG/KG	MDL	0.112	0.898	J	6020A		3050B
SSP14-ISM-DU-8B	12/17/2014	7722035	2-Methylnaphthalene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8C	12/17/2014	7722038	Acenaphthylene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-8C	12/17/2014	7722039	Mercury	0.0345	MG/KG	MDL	0.0118	0.237	J	7471B		7471B
SSP14-ISM-DU-9B	12/18/2014	7722056	Cadmium	0.261	MG/KG	MDL	0.0359	1.09	J	6010C		3050B
SSP14-ISM-DU-9B	12/18/2014	7722056	Selenium	0.373	MG/KG	MDL	0.109	0.869	J	6020A		3050B
SSP14-ISM-DU-9B	12/18/2014	7722055	Phenanthrene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Benzo(G,H,I)Perylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Benzo(B)Fluoranthene	18	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Fluoranthene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Chrysene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Benzo[A]Pyrene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722058	Benzo(A)Anthracene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9C	12/18/2014	7722059	Mercury	0.0184	MG/KG	MDL	0.0109	0.218	J	7471B		7471B
SSP14-ISM-DU-9A	12/18/2014	7722050	Cadmium	0.0806	MG/KG	MDL	0.0370	1.12	J	6010C		3050B
SSP14-ISM-DU-9A	12/18/2014	7722050	Selenium	0.412	MG/KG	MDL	0.112	0.896	J	6020A		3050B
SSP14-ISM-DU-9A	12/18/2014	7722043	Acenaphthene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9A	12/18/2014	7722043	Fluorene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-8C	12/17/2014	7722039	Cadmium	0.182	MG/KG	MDL	0.0388	1.18	J	6010C		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-8C	12/17/2014	7722039	Selenium	0.331	MG/KG	MDL	0.118	0.940	J	6020A		3050B
SSP14-ISM-DU-9A	12/18/2014	7722050	PCB 1254	6.6	UG/KG	MDL	3.6	19	J	8082A		3546
SSP14-ISM-DU-9A	12/18/2014	7722043	Anthracene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9A	12/18/2014	7722043	Acenaphthylene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9A	12/18/2014	7722043	Dibenz(A,H)Anthracene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9A	12/18/2014	7722050	Mercury	0.0183	MG/KG	MDL	0.0104	0.209	J	7471B		7471B
SSP14-ISM-DU-9A	12/18/2014	7722050	Silver	0.741	MG/KG	MDL	0.213	1.12	J	6010C		3050B
SSP14-ISM-DU-9B	12/18/2014	7722056	PCB 1254	8.0	UG/KG	MDL	3.7	19	J	8082A		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Indeno (1,2,3-CD) Pyrene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Benzo(B)Fluoranthene	18	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Fluoranthene	18	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Chrysene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Benzo[A]Pyrene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722055	Benzo(A)Anthracene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-9B	12/18/2014	7722056	Mercury	0.0164	MG/KG	MDL	0.0106	0.212	J	7471B		7471B
SSP14-ISM-DU-4C	12/04/2014	7700497	1,1-Dichloroethene	70	UG/KG	MDL	53	260	J	8260B		
SSP14-ISM-DU-4C	12/04/2014	7700498	Acetophenone	21	UG/KG	MDL	19	37	J	8270D		3546
SSP14-ISM-DU-5A	12/09/2014	7710569	PCB 1260	18	UG/KG	MDL	5.6	19	J	8082A		3546
SSP14-ISM-DU-5A	12/09/2014	7710568	Dibenzofuran	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-5A	12/09/2014	7710568	Acenaphthylene	10	UG/KG	MDL	4	19	J	8270D		3546

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-4C	12/04/2014	7700499	Mercury	0.0270	MG/KG	MDL	0.0104	0.209	J	7471B		7471B
SSP14-ISM-DU-4B	12/04/2014	7700496	Mercury	0.0308	MG/KG	MDL	0.0112	0.225	J	7471B		7471B
SSP14-ISM-DU-4B	12/04/2014	7700496	Beryllium	0.963	MG/KG	MDL	0.0761	1.14	J	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Beryllium	0.881	MG/KG	MDL	0.0714	1.07	J	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Cadmium	0.0682	MG/KG	MDL	0.0352	1.07	J	6010C		3050B
SSP14-ISM-DU-4C	12/04/2014	7700499	Antimony	0.413	MG/KG	MDL	0.0899	0.426	J	6020A		3050B
SSP14-ISM-DU-5A	12/09/2014	7710569	Cadmium	0.185	MG/KG	MDL	0.0373	1.13	J	6010C		3050B
SSP14-ISM-DU-5A	12/09/2014	7710569	Selenium	0.255	MG/KG	MDL	0.113	0.904	J	6020A		3050B
SSP14-ISM-DU-5A	12/09/2014	7710568	2-Methylnaphthalene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-5B	12/09/2014	7710571	Acenaphthylene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-5B	12/09/2014	7710571	Dibenz(A,H)Anthracene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-5B	12/09/2014	7710572	Mercury	0.0228	MG/KG	MDL	0.0109	0.219	J	7471B		7471B
SSP14-ISM-DU-5A	12/09/2014	7710569	Mercury	0.0235	MG/KG	MDL	0.0110	0.221	J	7471B		7471B
SSP14-ISM-DU-5B	12/09/2014	7710572	Cadmium	0.185	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-ISM-DU-5B	12/09/2014	7710572	Selenium	0.288	MG/KG	MDL	0.112	0.899	J	6020A		3050B
SSP14-ISM-DU-5B	12/09/2014	7710571	Acenaphthene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-5B	12/09/2014	7710571	Fluorene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-5C	12/09/2014	7710574	Benzyl Alcohol	240	UG/KG	MDL	190	570	J	8270D		3546
SSP14-ISM-DU-6C	12/11/2014	7710584	Cadmium	0.251	MG/KG	MDL	0.0373	1.13	J	6010C		3050B
SSP14-ISM-DU-6C	12/11/2014	7710584	Selenium	0.317	MG/KG	MDL	0.113	0.905	J	6020A		3050B
SSP14-ISM-DU-6C	12/11/2014	7710583	Butyl Benzyl Phthalate	110	UG/KG	MDL	76	190	J	8270D		3546
SSP14-ISM-DU-7A	12/15/2014	7722023	Bis(2-Ethylhexyl)Phthalate	95	UG/KG	MDL	75	190	J	8270D		3546
SSP14-ISM-DU-7A	12/15/2014	7722024	Mercury	0.0275	MG/KG	MDL	0.0113	0.226	J	7471B		7471B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-6B	12/11/2014	7710580	Acetophenone	27	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-6C	12/11/2014	7710583	Phenol	19	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-6C	12/11/2014	7710582	Xylenes	63	UG/KG	MDL	54	270	J	8260B		5035A
SSP14-ISM-DU-7A	12/15/2014	7722024	Cadmium	0.183	MG/KG	MDL	0.0363	1.10	J	6010C		3050B
SSP14-ISM-DU-7A	12/15/2014	7722022	Trichlorofluoromethane	170	UG/KG	MDL	120	300	J	8260B		
SSP14-ISM-DU-7A	12/15/2014	7722024	Selenium	0.529	MG/KG	MDL	0.110	0.880	J	6020A		3050B
SSP14-ISM-DU-7A	12/15/2014	7722023	Biphenyl	30	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-7A	12/15/2014	7722023	Acetophenone	24	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-7B	12/15/2014	7722026	Diphenyl Ether	35	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-7B	12/15/2014	7722026	Bis(2-Ethylhexyl)Phthalate	88	UG/KG	MDL	76	190	J	8270D		3546
SSP14-ISM-DU-7B	12/15/2014	7722027	Mercury	0.0332	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-ISM-DU-6A	12/11/2014	7710578	Cadmium	0.293	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-ISM-DU-6A	12/11/2014	7710576	Trichlorofluoromethane	290	UG/KG	MDL	130	320	J	8260B		5035A
SSP14-ISM-DU-6A	12/11/2014	7710578	Selenium	0.308	MG/KG	MDL	0.112	0.899	J	6020A		3050B
SSP14-ISM-DU-6B	12/11/2014	7710580	Phenol	28	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-6B	12/11/2014	7710580	Dimethyl Phthalate	110	UG/KG	MDL	76	190	J	8270D		3546
SSP14-ISM-DU-5C	12/09/2014	7710575	Cadmium	0.184	MG/KG	MDL	0.0361	1.10	J	6010C		3050B
SSP14-ISM-DU-5C	12/09/2014	7710575	Selenium	0.273	MG/KG	MDL	0.110	0.876	J	6020A		3050B
SSP14-ISM-DU-6A	12/11/2014	7710577	Bis(2-Ethylhexyl)Phthalate	160	UG/KG	MDL	76	190	J	8270D		3546
SSP14-ISM-DU-6B	12/11/2014	7710581	Cadmium	0.367	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-ISM-DU-6B	12/11/2014	7710581	Selenium	0.274	MG/KG	MDL	0.114	0.908	J	6020A		3050B
SSP14-ISM-DU-6B	12/11/2014	7710580	Butyl Benzyl Phthalate	83	UG/KG	MDL	76	190	J	8270D		3546
SSP14-ISM-DU-5C	12/09/2014	7710575	Mercury	0.0248	MG/KG	MDL	0.0111	0.223	J	7471B		7471B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-3A	11/19/2014	7686531	Bis(2-Ethylhexyl)Phthalate	170	UG/KG	MDL	80	200	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682388	Naphthalene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682388	2-Methylnaphthalene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-3A	11/19/2014	7686530	Trichlorofluoromethane	200	UG/KG	MDL	110	280	J	8260B		
SSP14-ISM-DU-3A	11/19/2014	7686532	Selenium	0.228	MG/KG	MDL	0.118	0.942	J	6020A		3050B
SSP14-ISM-DU-3A	11/19/2014	7686531	Biphenyl	26	UG/KG	MDL	20	40	J	8270D		3546
SSP14-ISM-DU-3A	11/19/2014	7686532	Cadmium	0.405	MG/KG	MDL	0.0388	1.18	J	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686537	Bis(2-Ethylhexyl)Phthalate	110	UG/KG	MDL	78	200	J	8270D		3546
SSP14-ISM-DU-3B	11/19/2014	7686533	Trichlorofluoromethane	210	UG/KG	MDL	100	260	J	8260B		
SSP14-ISM-DU-3B	11/19/2014	7686535	Selenium	0.210	MG/KG	MDL	0.116	0.930	J	6020A		3050B
SSP14-ISM-DU-3B	11/19/2014	7686534	Bis(2-Ethylhexyl)Phthalate	180	UG/KG	MDL	77	200	J	8270D		3546
SSP14-ISM-DU-3B	11/19/2014	7686535	Beryllium	1.12	MG/KG	MDL	0.0779	1.16	J	6010C		3050B
SSP14-ISM-DU-3B	11/19/2014	7686535	Cadmium	0.400	MG/KG	MDL	0.0384	1.16	J	6010C		3050B
SSP14-ISM-DU-4B	12/04/2014	7700495	Biphenyl	32	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-4B	12/04/2014	7700495	Acetophenone	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-4C	12/04/2014	7700499	PCB 1260	12	UG/KG	MDL	5.5	19	J	8082A		3546
SSP14-ISM-DU-4C	12/04/2014	7700498	Dimethyl Phthalate	99	UG/KG	MDL	75	190	J	8270D		3546
SSP14-ISM-DU-4B	12/04/2014	7700495	Bis(2-Ethylhexyl)Phthalate	78	UG/KG	MDL	75	190	J	8270D		3546
SSP14-ISM-DU-4A	11/21/2014	7686545	Beryllium	0.836	MG/KG	MDL	0.0748	1.12	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Cadmium	0.297	MG/KG	MDL	0.0368	1.12	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686545	Selenium	0.223	MG/KG	MDL	0.112	0.893	J	6020A		3050B
SSP14-ISM-DU-3C	11/20/2014	7686536	Trichlorofluoromethane	100	UG/KG	MDL	100	250	J	8260B		
SSP14-ISM-DU-3C	11/20/2014	7686538	Selenium	0.290	MG/KG	MDL	0.114	0.908	J	6020A		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-3C	11/20/2014	7686537	Biphenyl	29	UG/KG	MDL	19	39	J	8270D		3546
SSP14-ISM-DU-3C	11/20/2014	7686538	Beryllium	0.922	MG/KG	MDL	0.0761	1.14	J	6010C		3050B
SSP14-ISM-DU-3C	11/20/2014	7686538	Cadmium	0.337	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-ISM-DU-4A	11/21/2014	7686542	Diphenyl Ether	21	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Phenanthrene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10C	12/02/2014	7700493	PCB 1254	6.4	UG/KG	MDL	3.7	19	J	8082A		3546
SSP14-ISM-DU-10C	12/02/2014	7700492	Anthracene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10C	12/02/2014	7700492	Benzo(G,H,I)Perylene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10C	12/02/2014	7700492	Indeno (1,2,3-CD) Pyrene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10C	12/02/2014	7700492	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10C	12/02/2014	7700492	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700490	Mercury	0.0335	MG/KG	MDL	0.0113	0.225	J	7471B		7471B
SSP14-ISM-DU-10C	12/02/2014	7700493	Mercury	0.0423	MG/KG	MDL	0.0113	0.226	J	7471B		7471B
SSP14-ISM-DU-10B	12/02/2014	7700490	Antimony	0.203	MG/KG	MDL	0.0943	0.447	J	6020A		3050B
SSP14-ISM-DU-10C	12/02/2014	7700492	Fluorene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673753	Thallium	0.220	MG/KG	MDL	0.0334	0.223	J	6020A		3050B
SSP14-ISM-DU-1A	11/05/2014	7673753	Mercury	0.0219	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-ISM-DU-1A	11/05/2014	7673752	Anthracene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673752	Indeno (1,2,3-CD) Pyrene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673752	Benzo(K)Fluoranthene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673752	Acenaphthylene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1A	11/05/2014	7673752	Dibenz(A,H)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700487	Mercury	0.0323	MG/KG	MDL	0.0121	0.243	J	7471B		7471B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-10A	12/01/2011	7700487	Antimony	0.155	MG/KG	MDL	0.0996	0.472	J	6020A		3050B
SSP14-ISM-DU-10A	12/01/2011	7700486	Dibenz(A,H)Anthracene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Indeno (1,2,3-CD) Pyrene	19	UG/KG	MDL	4	21	J	8270D		3546
EB-121814	12/18/2014	7722060	Lead	0.00061	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-121814	12/18/2014	7722060	Antimony	0.00036	MG/L	MDL	0.00033	0.0020	J	6020A		3010A MOD.
EB-121814	12/18/2014	7722060	Barium	0.00065	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-ISM-DU-10A	12/01/2011	7700486	Anthracene	17	UG/KG	MDL	4	21	J	8270D		3546
EB-120314	12/03/2014	7700503	Nickel	0.0132	MG/L	MDL	0.0016	0.0200	J	6010C		3010A
EB-120314	12/03/2014	7700503	Barium	0.0016	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-120314	12/03/2014	7700503	Zinc	0.0022	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-120314	12/03/2014	7700503	Diethyl Phthalate	4	UG/L	MDL	2	5	J	8270D		3510C
SSP14-ISM-DU-10A	12/01/2011	7700486	Acenaphthene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Fluorene	10	UG/KG	MDL	4	21	J	8270D		3546
SSP14-ISM-DU-10A	12/01/2011	7700486	Naphthalene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700490	PCB 1254	7.4	UG/KG	MDL	3.8	20	J	8082A		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Anthracene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Benzo(G,H,I)Perylene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Indeno (1,2,3-CD) Pyrene	18	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-10B	12/02/2014	7700489	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682389	Cadmium	0.207	MG/KG	MDL	0.0377	1.14	J	6010C		3050B
SSP14-ISM-DU-2B	11/13/2014	7677606	Beryllium	1.09	MG/KG	MDL	0.0743	1.11	J	6010C		3050B
SSP14-ISM-DU-2B	11/13/2014	7677606	Selenium	0.198	MG/KG	MDL	0.111	0.888	J	6020A		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-2B	11/13/2014	7677605	Acenaphthene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2B	11/13/2014	7677605	Fluorene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2B	11/13/2014	7677605	Naphthalene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682388	Diphenyl Ether	25	UG/KG	MDL	20	39	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682388	Dibenzofuran	33	UG/KG	MDL	20	39	J	8270D		3546
SSP14-ISM-DU-2C	11/18/2014	7682388	Acenaphthylene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-2A	11/12/2014	7677602	Dibenzofuran	29	UG/KG	MDL	19	37	J	8270D		3546
SSP14-ISM-DU-2A	11/12/2014	7677602	Acenaphthylene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2A	11/12/2014	7677603	Mercury	0.0211	MG/KG	MDL	0.0107	0.215	J	7471B		7471B
SSP14-ISM-DU-1C	11/10/2014	7673759	Beryllium	0.832	MG/KG	MDL	0.0755	1.13	J	6010C		3050B
SSP14-ISM-DU-1C	11/10/2014	7673759	Selenium	0.345	MG/KG	MDL	0.113	0.902	J	6020A		3050B
SSP14-ISM-DU-1C	11/10/2014	7673758	Fluorene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1C	11/10/2014	7673758	Naphthalene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-2A	11/12/2014	7677603	Beryllium	1.04	MG/KG	MDL	0.0736	1.10	J	6010C		3050B
SSP14-ISM-DU-2A	11/12/2014	7677603	Selenium	0.209	MG/KG	MDL	0.110	0.879	J	6020A		3050B
SSP14-ISM-DU-2A	11/12/2014	7677602	2-Methylnaphthalene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-ISM-DU-2B	11/13/2014	7677605	Diphenyl Ether	21	UG/KG	MDL	19	38	J	8270D		3546
SSP14-ISM-DU-2B	11/13/2014	7677604	Xylenes	150	UG/KG	MDL	60	300	J	8260B		
SSP14-ISM-DU-2B	11/13/2014	7677606	Mercury	0.0162	MG/KG	MDL	0.0106	0.213	J	7471B		7471B
SSP14-ISM-DU-1B	11/07/2014	7673756	Thallium	0.223	MG/KG	MDL	0.0343	0.229	J	6020A		3050B
SSP14-ISM-DU-1B	11/07/2014	7673756	Beryllium	0.787	MG/KG	MDL	0.0766	1.14	J	6010C		3050B
SSP14-ISM-DU-1B	11/07/2014	7673756	Selenium	0.328	MG/KG	MDL	0.114	0.915	J	6020A		3050B
SSP14-ISM-DU-1C	11/10/2014	7673759	Thallium	0.196	MG/KG	MDL	0.0338	0.225	J	6020A		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-ISM-DU-1C	11/10/2014	7673759	Mercury	0.0266	MG/KG	MDL	0.0113	0.225	J	7471B		7471B
SSP14-ISM-DU-1C	11/10/2014	7673758	Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1C	11/10/2014	7673758	Indeno (1,2,3-CD) Pyrene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1C	11/10/2014	7673758	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1C	11/10/2014	7673758	Dibenz(A,H)Anthracene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673756	Mercury	0.0282	MG/KG	MDL	0.0115	0.230	J	7471B		7471B
SSP14-ISM-DU-1A	11/05/2014	7673753	Beryllium	1.01	MG/KG	MDL	0.0747	1.11	J	6010C		3050B
SSP14-ISM-DU-1A	11/05/2014	7673753	Selenium	0.234	MG/KG	MDL	0.111	0.892	J	6020A		3050B
SSP14-ISM-DU-1A	11/05/2014	7673752	Acenaphthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Benzo(G,H,I)Perylene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Acenaphthylene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-ISM-DU-1B	11/07/2014	7673755	Dibenz(A,H)Anthracene	8	UG/KG	MDL	4	20	J	8270D		3546

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 26, 2014

Project: BRE - ISM

Submittal Date: 11/14/2014

Group Number: 1518926

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-ISM-DU-2A Soil
SSP14-ISM-DU-2A Soil
SSP14-ISM-DU-2A Soil
SSP14-ISM-DU-2B Soil
SSP14-ISM-DU-2B Soil
SSP14-ISM-DU-2B Soil
TB-111214 Other Liquid

Lancaster Labs (LL) #

7677601
7677602
7677603
7677604
7677605
7677606
7677607

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677601
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2A1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	410	U 410	1,200	51.86
10237	Acetonitrile	75-05-8	1,500	U 1,500	5,900	51.86
10237	Acrolein	107-02-8	1,200	U 1,200	5,900	51.86
10237	Acrylonitrile	107-13-1	230	U 230	1,200	51.86
10237	Allyl Chloride	107-05-1	59	U 59	290	51.86
10237	Benzene	71-43-2	29	U 29	290	51.86
10237	Bromodichloromethane	75-27-4	59	U 59	290	51.86
10237	Bromoform	75-25-2	59	U 59	290	51.86
10237	Bromomethane	74-83-9	120	U 120	290	51.86
10237	2-Butanone	78-93-3	230	U 230	590	51.86
10237	Carbon Disulfide	75-15-0	59	U 59	290	51.86
10237	Carbon Tetrachloride	56-23-5	59	U 59	290	51.86
10237	2-Chloro-1,3-butadiene	126-99-8	59	U 59	290	51.86
10237	Chlorobenzene	108-90-7	59	U 59	290	51.86
10237	Chloroethane	75-00-3	120	U 120	290	51.86
10237	Chloroform	67-66-3	59	U 59	290	51.86
10237	Chloromethane	74-87-3	120	U 120	290	51.86
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	290	51.86
10237	Dibromochloromethane	124-48-1	59	U 59	290	51.86
10237	1,2-Dibromoethane	106-93-4	59	U 59	290	51.86
10237	Dibromomethane	74-95-3	59	U 59	290	51.86
10237	trans-1,4-Dichloro-2-butene	110-57-6	590	U 590	2,900	51.86
10237	Dichlorodifluoromethane	75-71-8	120	U 120	290	51.86
10237	1,1-Dichloroethane	75-34-3	59	U 59	290	51.86
10237	1,2-Dichloroethane	107-06-2	59	U 59	290	51.86
10237	1,1-Dichloroethene	75-35-4	59	U 59	290	51.86
10237	cis-1,2-Dichloroethene	156-59-2	59	U 59	290	51.86
10237	trans-1,2-Dichloroethene	156-60-5	59	U 59	290	51.86
10237	1,2-Dichloropropane	78-87-5	59	U 59	290	51.86
10237	cis-1,3-Dichloropropene	10061-01-5	59	U 59	290	51.86
10237	trans-1,3-Dichloropropene	10061-02-6	59	U 59	290	51.86
10237	Ethyl Methacrylate	97-63-2	59	U 59	290	51.86
10237	Ethylbenzene	100-41-4	59	U 59	290	51.86
10237	2-Hexanone	591-78-6	180	U 180	590	51.86
10237	Isobutyl Alcohol	78-83-1	5,900	U 5,900	15,000	51.86
10237	Methacrylonitrile	126-98-7	290	U 290	2,900	51.86
10237	Methyl Iodide	74-88-4	180	U 180	290	51.86
10237	Methyl Methacrylate	80-62-6	59	U 59	290	51.86
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	590	51.86
10237	Methylene Chloride	75-09-2	120	U 120	290	51.86
10237	Pentachloroethane	76-01-7	59	U 59	290	51.86
10237	Propionitrile	107-12-0	1,800	U 1,800	5,900	51.86
10237	Styrene	100-42-5	59	U 59	290	51.86
10237	1,1,1,2-Tetrachloroethane	630-20-6	59	U 59	290	51.86
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	59	U 59	290	51.86
10237	Tetrachloroethene	127-18-4	59	U 59	290	51.86
10237	Toluene	108-88-3	59	U 59	290	51.86
10237	1,1,1-Trichloroethane	71-55-6	59	U 59	290	51.86
10237	1,1,2-Trichloroethane	79-00-5	59	U 59	290	51.86
10237	Trichloroethene	79-01-6	59	U 59	290	51.86
10237	Trichlorofluoromethane	75-69-4	120	U 120	290	51.86

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677601
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2A1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	59	U 59	290	51.86
10237	Vinyl Acetate	108-05-4	120	U 120	590	51.86
10237	Vinyl Chloride	75-01-4	59	U 59	290	51.86
10237	Xylene (Total)	1330-20-7	59	U 59	290	51.86
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	11.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 12:36	Anita M Dale	51.86
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143161356501	11/12/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143161356501	11/12/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143161356501	11/12/2014 11:50	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014 19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677602
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	62	4	19	1
10726	Acenaphthylene	208-96-8	17	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	37	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	190	4	19	1
10726	Benzo(a)anthracene	56-55-3	620	4	19	1
10726	Benzo(a)pyrene	50-32-8	610	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	780	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	410	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	260	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	37	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	37	1
10726	4-Chloroaniline	106-47-8	19	U 19	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	37	1
10726	Chrysene	218-01-9	590	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	85	4	19	1
10726	Dibenzofuran	132-64-9	29	J 19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	37	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	37	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	37	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677602
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	19	U 19	37	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	1,200	4	19	1
10726	Fluorene	86-73-7	70	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	37	U 37	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	350	4	19	1
10726	Isodrin	465-73-6	19	U 19	37	1
10726	Isophorone	78-59-1	19	U 19	37	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	37	1
10726	2-Methylnaphthalene	91-57-6	12	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	37	1
10726	4-Methylphenol	106-44-5	19	U 19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	28	4	19	1
10726	1,4-Naphthoquinone	130-15-4	930	U 930	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	37	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	37	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	37	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677602
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 14:13

DU2A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	37	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	37	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	660	4	19	1
10726	Phenol	108-95-2	19	U 19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	190	1
10726	Pyrene	129-00-0	1,000	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	220	U 220	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ISM 2014

LL Sample # SW 7677602
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2A2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14325SLG026	11/25/2014	23:08	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14325SLG026	11/24/2014	09:15	Roman Kuropatkin	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014	23:31	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014	18:50	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014	19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ITRC
ISM 2014

LL Sample # SW 7677603
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/14/2014 18:47

URS Corporation

Reported: 11/26/2014 14:13

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2A3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	12 U	12	19	1
10885	PCB-1254	11097-69-1	20	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1

Reporting limits were raised due to interference from the sample matrix.

Metals		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	55.0	0.0362	1.10	1
06947	Beryllium	7440-41-7	1.04 J	0.0736	1.10	1
06949	Cadmium	7440-43-9	0.0362 U	0.0362	1.10	1
06951	Chromium	7440-47-3	6.14	0.121	3.29	1
06952	Cobalt	7440-48-4	3.56	0.105	1.10	1
06953	Copper	7440-50-8	7.64	0.362	2.20	1
06961	Nickel	7440-02-0	21.1	0.165	2.20	1
06966	Silver	7440-22-4	4.85	0.209	1.10	1
06969	Tin	7440-31-5	2.44 J	0.472	22.0	1
06971	Vanadium	7440-62-2	18.0	0.0999	1.10	1
06972	Zinc	7440-66-6	41.5	0.286	4.39	1

		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.191 J	0.0927	0.439	2
06125	Arsenic	7440-38-2	1.51	0.0938	0.879	2
06135	Lead	7439-92-1	14.6	0.0141	0.439	2
06141	Selenium	7782-49-2	0.209 J	0.110	0.879	2
06145	Thallium	7440-28-0	0.295	0.0329	0.220	2

		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0211 J	0.0107	0.215	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	11.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2A Soil
ITRC
ISM 2014

LL Sample # SW 7677603
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/14/2014 18:47

URS Corporation

Reported: 11/26/2014 14:13

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2A3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143250025A	11/25/2014 05:58	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143250025A	11/23/2014 22:50	Karen L Beyer	1
06946	Barium	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143220637006	11/19/2014 21:11	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143220637006A	11/20/2014 17:51	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143220637006A	11/20/2014 17:51	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143220637006A	11/20/2014 17:51	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143220637006B	11/20/2014 17:51	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143220637006A	11/20/2014 17:51	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143220638001	11/20/2014 10:32	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143220637006	11/19/2014 06:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143220638001	11/19/2014 10:35	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014 19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677604
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2B1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	420	U 420	1,200	52.3
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,000	52.3
10237	Acrolein	107-02-8	1,200	U 1,200	6,000	52.3
10237	Acrylonitrile	107-13-1	240	U 240	1,200	52.3
10237	Allyl Chloride	107-05-1	60	U 60	300	52.3
10237	Benzene	71-43-2	30	U 30	300	52.3
10237	Bromodichloromethane	75-27-4	60	U 60	300	52.3
10237	Bromoform	75-25-2	60	U 60	300	52.3
10237	Bromomethane	74-83-9	120	U 120	300	52.3
10237	2-Butanone	78-93-3	240	U 240	600	52.3
10237	Carbon Disulfide	75-15-0	60	U 60	300	52.3
10237	Carbon Tetrachloride	56-23-5	60	U 60	300	52.3
10237	2-Chloro-1,3-butadiene	126-99-8	60	U 60	300	52.3
10237	Chlorobenzene	108-90-7	60	U 60	300	52.3
10237	Chloroethane	75-00-3	120	U 120	300	52.3
10237	Chloroform	67-66-3	60	U 60	300	52.3
10237	Chloromethane	74-87-3	120	U 120	300	52.3
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	300	52.3
10237	Dibromochloromethane	124-48-1	60	U 60	300	52.3
10237	1,2-Dibromoethane	106-93-4	60	U 60	300	52.3
10237	Dibromomethane	74-95-3	60	U 60	300	52.3
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U 600	3,000	52.3
10237	Dichlorodifluoromethane	75-71-8	120	U 120	300	52.3
10237	1,1-Dichloroethane	75-34-3	60	U 60	300	52.3
10237	1,2-Dichloroethane	107-06-2	60	U 60	300	52.3
10237	1,1-Dichloroethene	75-35-4	60	U 60	300	52.3
10237	cis-1,2-Dichloroethene	156-59-2	60	U 60	300	52.3
10237	trans-1,2-Dichloroethene	156-60-5	60	U 60	300	52.3
10237	1,2-Dichloropropane	78-87-5	60	U 60	300	52.3
10237	cis-1,3-Dichloropropene	10061-01-5	60	U 60	300	52.3
10237	trans-1,3-Dichloropropene	10061-02-6	60	U 60	300	52.3
10237	Ethyl Methacrylate	97-63-2	60	U 60	300	52.3
10237	Ethylbenzene	100-41-4	60	U 60	300	52.3
10237	2-Hexanone	591-78-6	180	U 180	600	52.3
10237	Isobutyl Alcohol	78-83-1	6,000	U 6,000	15,000	52.3
10237	Methacrylonitrile	126-98-7	300	U 300	3,000	52.3
10237	Methyl Iodide	74-88-4	180	U 180	300	52.3
10237	Methyl Methacrylate	80-62-6	60	U 60	300	52.3
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	600	52.3
10237	Methylene Chloride	75-09-2	120	U 120	300	52.3
10237	Pentachloroethane	76-01-7	60	U 60	300	52.3
10237	Propionitrile	107-12-0	1,800	U 1,800	6,000	52.3
10237	Styrene	100-42-5	60	U 60	300	52.3
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U 60	300	52.3
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	60	U 60	300	52.3
10237	Tetrachloroethene	127-18-4	60	U 60	300	52.3
10237	Toluene	108-88-3	60	U 60	300	52.3
10237	1,1,1-Trichloroethane	71-55-6	60	U 60	300	52.3
10237	1,1,2-Trichloroethane	79-00-5	60	U 60	300	52.3
10237	Trichloroethene	79-01-6	60	U 60	300	52.3
10237	Trichlorofluoromethane	75-69-4	120	U 120	300	52.3

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677604
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2B1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	60	U 60	300	52.3
10237	Vinyl Acetate	108-05-4	120	U 120	600	52.3
10237	Vinyl Chloride	75-01-4	60	U 60	300	52.3
10237	Xylene (Total)	1330-20-7	150	J 60	300	52.3
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	12.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 12:59	Anita M Dale	52.3
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143171356501	11/13/2014 14:30	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143171356501	11/13/2014 14:30	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143171356501	11/13/2014 14:30	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014 19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677605
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	10	J 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	32	4	19	1
10726	Benzo(a)anthracene	56-55-3	110	4	19	1
10726	Benzo(a)pyrene	50-32-8	110	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	120	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	80	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	64	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	110	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	22	4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677605
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 14:13

DU2B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	21	J 19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	210	4	19	1
10726	Fluorene	86-73-7	12	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	68	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	10	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677605
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 14:13

DU2B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	120	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	180	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ISM 2014

LL Sample # SW 7677605
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2B2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14325SLG026	11/25/2014	23:31	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14325SLG026	11/24/2014	09:15	Roman Kuropatkin	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014	23:02	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014	18:50	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014	19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ITRC
ISM 2014

LL Sample # SW 7677606
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/14/2014 18:47

URS Corporation

Reported: 11/26/2014 14:13

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2B3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	19 U	19	19	1
10885	PCB-1254	11097-69-1	19 U	19	19	1
10885	PCB-1260	11096-82-5	31 U	31	31	1

Reporting limits were raised due to interference from the sample matrix.

Metals		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	60.8	0.0366	1.11	1
06947	Beryllium	7440-41-7	1.09 J	0.0743	1.11	1
06949	Cadmium	7440-43-9	0.0366 U	0.0366	1.11	1
06951	Chromium	7440-47-3	6.74	0.122	3.33	1
06952	Cobalt	7440-48-4	3.62	0.107	1.11	1
06953	Copper	7440-50-8	6.66	0.366	2.22	1
06961	Nickel	7440-02-0	32.9	0.166	2.22	1
06966	Silver	7440-22-4	1.17	0.211	1.11	1
06969	Tin	7440-31-5	2.40 J	0.477	22.2	1
06971	Vanadium	7440-62-2	19.1	0.101	1.11	1
06972	Zinc	7440-66-6	37.2	0.288	4.44	1

		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.107 J	0.0936	0.444	2
06125	Arsenic	7440-38-2	1.53	0.0948	0.888	2
06135	Lead	7439-92-1	14.7	0.0142	0.444	2
06141	Selenium	7782-49-2	0.198 J	0.111	0.888	2
06145	Thallium	7440-28-0	0.299	0.0333	0.222	2

		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0162 J	0.0106	0.213	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	12.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2B Soil
ITRC
ISM 2014

LL Sample # SW 7677606
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/13/2014 14:30 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/14/2014 18:47

URS Corporation

Reported: 11/26/2014 14:13

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2B3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143250025A	11/25/2014 06:09	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143250025A	11/23/2014 22:50	Karen L Beyer	1
06946	Barium	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143220637006	11/19/2014 21:15	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143220637006A	11/20/2014 17:53	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143220637006A	11/20/2014 17:53	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143220637006A	11/20/2014 17:53	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143220637006B	11/20/2014 17:53	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143220637006A	11/20/2014 17:53	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143220638001	11/20/2014 10:38	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143220637006	11/19/2014 06:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143220638001	11/19/2014 10:35	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14324820004A	11/20/2014 19:06	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214 Other Liquid
ISM 2014

LL Sample # G5 7677607
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214 Other Liquid
ISM 2014

LL Sample # G5 7677607
LL Group # 1518926
Account # 06643

Project Name: BRE - ISM

Collected: 11/12/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 14:13

DU2TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 11:04	Anita M Dale	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201432136204	11/12/2014 11:50	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143231AA	Sample number(s): 7677601,7677604,7677607								
Acetone	350	350.	1,000	ug/kg	97	84	53-141	15	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	90	99	61-147	10	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	86	70	58-122	21	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	94	83	58-123	13	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	121	100	61-132	19	30
Benzene	25	U 25.	250	ug/kg	107	94	80-120	13	30
Bromodichloromethane	50	U 50.	250	ug/kg	97	85	75-120	14	30
Bromoform	50	U 50.	250	ug/kg	101	89	70-126	12	30
Bromomethane	100	100.	250	ug/kg	112	103	32-162	8	30
	U								
2-Butanone	200	200.	500	ug/kg	92	82	62-123	12	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	84	75	63-128	12	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	97	88	69-130	10	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	94	82	73-120	13	30
Chlorobenzene	50	U 50.	250	ug/kg	110	95	80-120	15	30
Chloroethane	100	100.	250	ug/kg	105	95	17-171	10	30
	U								
Chloroform	50	U 50.	250	ug/kg	105	94	80-125	11	30
Chloromethane	100	100.	250	ug/kg	87	75	56-120	16	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	86	81	59-122	7	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	102	88	77-120	14	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	110	94	80-120	16	30
Dibromomethane	50	U 50.	250	ug/kg	105	93	80-120	12	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	114	108	70-128	5	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	48	44	26-137	8	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	106	91	80-122	15	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	105	91	77-130	14	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	107	94	73-129	13	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	110	94	80-120	15	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	110	95	80-129	15	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	103	91	80-120	12	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	103	89	74-120	15	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	105	91	76-120	14	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	99	86	65-120	14	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50 U	50.	250	ug/kg	103	90	80-120	13	30
2-Hexanone	150 U	150.	500	ug/kg	98	85	51-120	14	30
Isobutyl Alcohol	5,000 U	5,000.	13,000	ug/kg	110	98	64-121	11	30
Methacrylonitrile	250 U	250.	2,500	ug/kg	105	90	73-127	16	30
Methyl Iodide	150 U	150.	250	ug/kg	109	92	72-130	17	30
Methyl Methacrylate	50 U	50.	250	ug/kg	97	80	60-120	19	30
4-Methyl-2-pentanone	150 U	150.	500	ug/kg	93	81	57-123	15	30
Methylene Chloride	100 U	100.	250	ug/kg	110	94	80-124	15	30
Pentachloroethane	50 U	50.	250	ug/kg	121*	96	71-120	23	30
Propionitrile	1,500 U	1,500.	5,000	ug/kg	100	87	63-131	14	30
Styrene	50 U	50.	250	ug/kg	105	93	76-120	12	30
1,1,1,2-Tetrachloroethane	50 U	50.	250	ug/kg	108	94	80-120	15	30
1,1,2,2-Tetrachloroethane	50 U	50.	250	ug/kg	105	100	71-123	5	30
Tetrachloroethene	50 U	50.	250	ug/kg	112	98	78-120	13	30
Toluene	50 U	50.	250	ug/kg	107	94	80-120	13	30
1,1,1-Trichloroethane	50 U	50.	250	ug/kg	101	89	63-135	13	30
1,1,2-Trichloroethane	50 U	50.	250	ug/kg	106	94	80-120	12	30
Trichloroethene	50 U	50.	250	ug/kg	104	95	80-125	9	30
Trichlorofluoromethane	100 U	100.	250	ug/kg	88	78	58-133	12	30
1,2,3-Trichloropropane	50 U	50.	250	ug/kg	109	103	71-123	6	30
Vinyl Acetate	100 U	100.	500	ug/kg	63	69	40-127	8	30
Vinyl Chloride	50 U	50.	250	ug/kg	92	80	59-120	13	30
Xylene (Total)	50 U	50.	250	ug/kg	107	93	80-120	14	30
Batch number: 14325SLG026	Sample number(s): 7677602,7677605								
Acenaphthene	3 U	3.	17	ug/kg	97		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	119		83-127		
Acetophenone	17 U	17.	33	ug/kg	108		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	100		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	54		14-89		
Aniline	170 U	170.	500	ug/kg	78		43-110		
Anthracene	3 U	3.	17	ug/kg	108		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	99		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	117		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	108		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	96		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	106		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	106		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	113		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	100		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	109		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	107		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	56		10-105		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chlorobenzilate	33	U	33.	170	ug/kg	121	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	99	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	102	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	104	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	139	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	114	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	106	83-115		
Chrysene	3	U	3.	17	ug/kg	99	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	109	76-135		
Dibenz(a, h)anthracene	3	U	3.	17	ug/kg	110	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	103	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	108	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	104	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	100	79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	81	10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	108	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	105	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	109	81-118		
Dimethoate	170	U	170.	500	ug/kg	43	18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	118	81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	87*	17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	103	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	112	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	102	82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	107	67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	105	86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	70	42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	108	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	112	83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	60	33-86		
Diphenyl ether	17	U	17.	33	ug/kg	103	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	104	77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	111	81-121		
Fluoranthene	3	U	3.	17	ug/kg	101	75-118		
Fluorene	3	U	3.	17	ug/kg	101	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	104	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	114	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	154	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	123*	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	129*	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	106	76-122		
Isodrin	17	U	17.	33	ug/kg	106	85-128		
Isophorone	17	U	17.	33	ug/kg	111	83-119		
Isosafrole	67	U	67.	170	ug/kg	153*	86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	90	70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	108	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	111	85-126		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Methylnaphthalene	3 U	3.	17	ug/kg	100		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	105		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	99		75-119		
Naphthalene	3 U	3.	17	ug/kg	102		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	95		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	73		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	46		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	67		39-99		
2-Nitroaniline	17 U	17.	33	ug/kg	105		84-126		
3-Nitroaniline	67 U	67.	170	ug/kg	98		66-119		
4-Nitroaniline	67 U	67.	170	ug/kg	84		48-112		
Nitrobenzene	17 U	17.	33	ug/kg	106		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	113		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	77		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	113		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	110		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	76		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	100		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	91		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	103		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	78		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	110		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	99		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	105		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	126		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	112		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	132*		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	71		46-133		
Phenacetin	67 U	67.	170	ug/kg	115		76-119		
Phenanthrene	3 U	3.	17	ug/kg	102		80-114		
Phenol	17 U	17.	33	ug/kg	101		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	73		64-108		
Pronamide	33 U	33.	170	ug/kg	103		72-119		
Pyrene	3 U	3.	17	ug/kg	97		81-114		
Pyridine	67 U	67.	170	ug/kg	101		51-109		
Safrole	67 U	67.	170	ug/kg	104		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	113*		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	117		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	115		77-123		
Thionazin	67 U	67.	170	ug/kg	105		76-123		
o-Toluidine	200 U	200.	670	ug/kg	64		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	106		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	101		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	107		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	107		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	93		67-111		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
U									
Batch number: 143250025A	Sample number(s): 7677603,7677606								
PCB-1016	3.6 U	3.6	17	ug/kg	105	110	76-121	4	50
PCB-1221	4.6 U	4.6	17	ug/kg					
PCB-1232	8.0 U	8.0	17	ug/kg					
PCB-1242	3.3 U	3.3	17	ug/kg					
PCB-1248	3.3 U	3.3	17	ug/kg					
PCB-1254	3.3 U	3.3	17	ug/kg					
PCB-1260	4.9 U	4.9	17	ug/kg	113	119	79-132	5	50
Batch number: 143240034A	Sample number(s): 7677602,7677605								
Diethylene glycol	5.0 U	5.0	10	mg/kg	93		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	94		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	94		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	93		34-145		
Batch number: 143220637006	Sample number(s): 7677603,7677606								
Barium	0.0330 U	0.0330	1.00	mg/kg	105		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	108		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	105		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	105		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	106		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	107		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	106		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.28 J	0.430	20.0	mg/kg	105		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	111		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	104		80-120		
Batch number: 143220637006A	Sample number(s): 7677603,7677606								
Antimony	0.0844 U	0.0844	0.400	mg/kg	101		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	106		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	106		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	109		80-120		
Batch number: 143220637006B	Sample number(s): 7677603,7677606								
Selenium	0.100 U	0.100	0.800	mg/kg	107		80-120		
Batch number: 143220638001	Sample number(s): 7677603,7677606								
Mercury	0.0100 U	0.0100	0.200	mg/kg	85		80-120		
Batch number: 14324820004A	Sample number(s): 7677601-7677606								
Moisture					100		99-101		
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>Max</u>
Batch number: Q143231AA	Sample number(s): 7677601,7677604,7677607 BKG: P673751								
Acetone					370	U 370	U 0 (1)		30
Acetonitrile					1,300	U 1,300	U 0 (1)		30
Acrolein					U	U			
					1,100	U 1,100	0 (1)		30
Acrylonitrile					U	U			
					210	U 210	U 0 (1)		30
Allyl Chloride					53	U 53	U 0 (1)		30
Benzene					27	U 27	U 0 (1)		30
Bromodichloromethane					53	U 53	U 0 (1)		30
Bromoform					53	U 53	U 0 (1)		30
Bromomethane					110	U 110	U 0 (1)		30
2-Butanone					210	U 210	U 0 (1)		30
Carbon Disulfide					53	U 53	U 0 (1)		30
Carbon Tetrachloride					53	U 53	U 0 (1)		30
2-Chloro-1,3-butadiene					53	U 53	U 0 (1)		30
Chlorobenzene					53	U 53	U 0 (1)		30
Chloroethane					110	U 110	U 0 (1)		30
Chloroform					53	U 53	U 0 (1)		30
Chloromethane					110	U 110	U 0 (1)		30
1,2-Dibromo-3-chloropropane					110	U 110	U 0 (1)		30
Dibromochloromethane					53	U 53	U 0 (1)		30
1,2-Dibromoethane					53	U 53	U 0 (1)		30
Dibromomethane					53	U 53	U 0 (1)		30
trans-1,4-Dichloro-2-butene					530	U 530	U 0 (1)		30
Dichlorodifluoromethane					110	U 110	U 0 (1)		30
1,1-Dichloroethane					53	U 53	U 0 (1)		30
1,2-Dichloroethane					53	U 53	U 0 (1)		30
1,1-Dichloroethene					53	U 53	U 0 (1)		30
cis-1,2-Dichloroethene					53	U 53	U 0 (1)		30
trans-1,2-Dichloroethene					53	U 53	U 0 (1)		30
1,2-Dichloropropane					53	U 53	U 0 (1)		30
cis-1,3-Dichloropropene					53	U 53	U 0 (1)		30
trans-1,3-Dichloropropene					53	U 53	U 0 (1)		30
Ethyl Methacrylate					53	U 53	U 0 (1)		30
Ethylbenzene					53	U 53	U 0 (1)		30
2-Hexanone					160	U 160	U 0 (1)		30
Isobutyl Alcohol					5,300	U 5,300	0 (1)		30
					U	U			
Methacrylonitrile					270	U 270	U 0 (1)		30
Methyl Iodide					160	U 160	U 0 (1)		30
Methyl Methacrylate					53	U 53	U 0 (1)		30
4-Methyl-2-pentanone					160	U 160	U 0 (1)		30
Methylene Chloride					110	U 110	U 0 (1)		30
Pentachloroethane					53	U 53	U 0 (1)		30
Propionitrile					1,600	U 1,600	0 (1)		30
					U	U			
Styrene					53	U 53	U 0 (1)		30
1,1,1,2-Tetrachloroethane					53	U 53	U 0 (1)		30
1,1,2,2-Tetrachloroethane					53	U 53	U 0 (1)		30
Tetrachloroethene					53	U 53	U 0 (1)		30
Toluene					53	U 53	U 0 (1)		30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
1,1,1-Trichloroethane						53	U 53	U 0 (1)		30
1,1,2-Trichloroethane						53	U 53	U 0 (1)		30
Trichloroethene						53	U 53	U 0 (1)		30
Trichlorofluoromethane						110	U 110	U 0 (1)		30
1,2,3-Trichloropropane						53	U 53	U 0 (1)		30
Vinyl Acetate						110	U 110	U 0 (1)		30
Vinyl Chloride						53	U 53	U 0 (1)		30
Xylene (Total)						53	U 53	U 0 (1)		30

Batch number: 14325SLG026 Sample number(s): 7677602,7677605 UNSPK: P685007

Acenaphthene	92	95	55-132	4	30
Acenaphthylene	111	115	53-143	5	30
Acetophenone	101	101	67-111	2	30
2-Acetylaminofluorene	102	100	48-138	1	30
4-Aminobiphenyl	48	46	10-80	3	30
Aniline	74	77	23-96	5	30
Anthracene	101	107	42-147	7	30
Benzo(a)anthracene	99	103	32-150	5	30
Benzo(a)pyrene	102	105	36-151	4	30
Benzo(b)fluoranthene	114	123	29-150	8	30
Benzo(g,h,i)perylene	102	106	41-147	5	30
Benzo(k)fluoranthene	89	92	35-146	4	30
Benzyl alcohol	95	105	69-131	11	30
1,1'-Biphenyl	97	101	57-123	6	30
4-Bromophenyl-phenylether	112	114	58-142	3	30
Butylbenzylphthalate	98	102	50-137	6	30
Di-n-butylphthalate	106	107	57-130	3	30
4-Chloro-3-methylphenol	100	102	39-150	3	30
4-Chloroaniline	51	45	10-100	11	30
Chlorobenzilate	123	120	79-128	2	30
bis(2-Chloroethoxy)methane	99	98	54-128	0	30
bis(2-Chloroethyl)ether	92	94	69-114	4	30
bis(2-Chloroisopropyl)ether	99	101	62-120	3	30
2-Chloronaphthalene	98	101	40-156	4	30
2-Chlorophenol	105	108	35-152	4	30
4-Chlorophenyl-phenylether	101	106	56-130	6	30
Chrysene	99	100	28-146	3	30
Diallate TRANS/CIS	104	108	45-145	5	30
Dibenz(a,h)anthracene	103	105	54-142	4	30
Dibenzofuran	96	102	46-137	8	30
1,2-Dichlorobenzene	98	98	45-133	1	30
1,3-Dichlorobenzene	94	94	45-129	1	30
1,4-Dichlorobenzene	97	98	44-132	2	30
3,3'-Dichlorobenzidine	87	86	10-143	1	30
2,4-Dichlorophenol	104	102	39-153	1	30
2,6-Dichlorophenol	100	102	56-133	3	30
Diethylphthalate	102	105	54-127	4	30
Dimethoate	76	72	39-178	4	30
p-Dimethylaminoazobenzene	116	116	77-123	1	30
3,3'-Dimethylbenzidine	84	78	10-103	6	30
7,12-Dimethylbenz[a]anthracene	100	99	44-139	1	30
2,4-Dimethylphenol	109	107	38-140	1	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dimethylphthalate	95	98	45-135	5	30				
4,6-Dinitro-2-methylphenol	111	114	10-148	4	30				
1,3-Dinitrobenzene	93	98	73-116	7	30				
2,4-Dinitrophenol	99	98	20-143	0	30				
2,4-Dinitrotoluene	100	104	39-144	5	30				
2,6-Dinitrotoluene	104	98	54-134	5	30				
1,4-Dioxane	52	58	10-98	11	30				
Diphenyl ether	97	101	54-125	6	30				
Ethyl methanesulfonate	86	93	44-120	10	30				
bis(2-Ethylhexyl)phthalate	106	107	52-138	2	30				
Fluoranthene	97	119	41-135	21	30				
Fluorene	94	102	55-128	10	30				
Hexachlorobenzene	98	98	46-132	1	30				
Hexachlorobutadiene	116	113	65-125	1	30				
Hexachlorocyclopentadiene	139	139	10-153	1	30				
Hexachloroethane	111	112	24-138	3	30				
Hexachloropropene	126*	113	39-124	9	30				
Indeno(1,2,3-cd)pyrene	101	103	44-147	3	30				
Isodrin	99	107	10-143	9	30				
Isophorone	108	110	68-119	3	30				
Isosafrole	147*	152*	69-135	4	30				
Methapyrilene	31*	31*	70-130	1	30				
Methyl methanesulfonate	64	77	10-134	19	30				
3-Methylcholanthrene	105	107	65-123	4	30				
2-Methylnaphthalene	96	96	39-140	2	30				
2-Methylphenol	101	102	36-149	3	30				
4-Methylphenol	92	91	29-143	1	30				
Naphthalene	97	97	44-142	1	30				
1,4-Naphthoquinone	91	95	70-130	6	30				
1-Naphthylamine	64	67	10-92	5	30				
2-Naphthylamine	43	41	10-71	5	30				
5-Nitro-o-toluidine	75	70	33-107	5	30				
2-Nitroaniline	92	103	64-131	13	30				
3-Nitroaniline	90	91	31-145	2	30				
4-Nitroaniline	83	85	30-131	3	30				
Nitrobenzene	104	100	41-141	2	30				
2-Nitrophenol	111	109	45-146	1	30				
4-Nitrophenol	105	105	25-142	1	30				
4-Nitroquinoline-1-oxide	105	100	10-160	4	30				
N-Nitroso-di-n-propylamine	104	104	58-126	2	30				
N-Nitrosodi-n-butylamine	95	92	38-136	2	30				
N-Nitrosodiethylamine	97	95	56-112	0	30				
N-Nitrosodimethylamine	84	77	61-110	7	30				
N-Nitrosodiphenylamine	97	104	59-135	8	30				
N-Nitrosomethylethylamine	78	81	54-118	4	30				
N-Nitrosomorpholine	99	103	72-121	5	30				
N-Nitrosopiperidine	98	99	48-131	2	30				
N-Nitrosopyrrolidine	96	98	59-131	3	30				
Di-n-octylphthalate	118	116	54-151	1	30				
Pentachlorobenzene	106	105	69-119	1	30				
Pentachloronitrobenzene	124*	123*	78-116	1	30				
Pentachlorophenol	76	83	23-145	9	30				

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Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

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Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Phenacetin	107	108	69-121	2	30				
Phenanthrene	96	109	42-141	14	30				
Phenol	95	96	61-130	3	30				
2-Picoline	75	79	55-104	7	30				
Pronamide	104	107	69-130	4	30				
Pyrene	95	112	37-140	18	30				
Pyridine	67	84	16-108	24	30				
Safrole	101	100	76-114	1	30				
1,2,4,5-Tetrachlorobenzene	103	107	71-120	6	30				
2,3,4,6-Tetrachlorophenol	109	110	62-132	3	30				
Tetraethyldithiopyrophosphate	108	115	76-126	8	30				
Thionazin	97	95	65-123	0	30				
o-Toluidine	65	64	21-84	0	30				
1,2,4-Trichlorobenzene	97	101	50-139	6	30				
2,4,5-Trichlorophenol	96	98	64-131	3	30				
2,4,6-Trichlorophenol	97	107	60-136	11	30				
O,O,O-Triethylphosphorothioate	100	101	70-119	2	30				
1,3,5-Trinitrobenzene	86	87	10-113	2	30				
Batch number: 143240034A Sample number(s): 7677602,7677605 UNSPK: 7677605									
Diethylene glycol	67	69	48-124	3	20				
Ethylene glycol	77	78	68-115	2	20				
Propylene glycol	79	80	71-115	2	20				
Triethylene glycol	52	53	23-139	3	20				
Batch number: 143220637006 Sample number(s): 7677603,7677606 UNSPK: P673753 BKG: P673753									
Barium	103	101	75-125	1	20	31.5	30.4	4	20
Beryllium	112	110	75-125	1	20	0.877 J	0.799 J	9 (1)	20
Cadmium	99	99	75-125	0	20	0.0320 U	0.0317 U	0 (1)	20
Chromium	100	100	75-125	0	20	4.50	4.24	6 (1)	20
Cobalt	100	100	75-125	0	20	1.66	1.52	9 (1)	20
Copper	107	108	75-125	1	20	4.13	3.91	5 (1)	20
Nickel	101	104	75-125	3	20	10.5	14.7	34*	20
Silver	108	107	75-125	1	20	0.184 U	0.183 U	0 (1)	20
Tin	95	95	75-125	1	20	2.22 J	2.06 J	7 (1)	20
Vanadium	106	106	75-125	1	20	12.3	11.4	8	20
Zinc	104	108	75-125	2	20	22.6	23.1	2	20
Batch number: 143220637006A Sample number(s): 7677603,7677606 UNSPK: P673753 BKG: P673753									
Antimony	69*	68*	75-125	2	20	0.0819 U	0.0812 U	0 (1)	20
Arsenic	99	109	75-125	5	20	1.46	1.44	1 (1)	20
Lead	94 (2)	94 (2)	75-125	0	20	12.5	13.4	8	20
Thallium	109	100	75-125	6	20	0.192 J	0.224	15 (1)	20
Batch number: 143220637006B Sample number(s): 7677603,7677606 UNSPK: P673753 BKG: P673753									
Selenium	103	110	75-125	6	20	0.204 J	0.236 J	15 (1)	20
Batch number: 143220638001 Sample number(s): 7677603,7677606 UNSPK: P673753 BKG: P673753									
Mercury	91	88	75-125	4	20	0.0190 J	0.0158 J	19 (1)	20
Batch number: 14324820004A Sample number(s): 7677601-7677606 BKG: P677829									
Moisture					5.5	5.7	4	5	

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Moisture						5.5	5.7	4	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: Q143231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677601	73	73	81	79
7677604	78	80	80	71
7677607	77	78	77	79
Blank	92	97	94	87
DUP	83	89	80	86
LCS	102	99	107	100
LCSD	91	90	94	94
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14325SLG026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7677602	92	101	108	94	97	105
7677605	88	95	103	93	94	102
Blank	87	95	117	99	98	113
LCS	102	113	120	101	100	109
MS	93	101	106	96	93	106
MSD	92	100	107	94	94	107
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs

Batch number: 143250025A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7677603	111	102
7677606	110	103
Blank	123	99
LCS	112	101
LCSD	119	105
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds

Batch number: 143240034A

	Tetramethylene glycol
7677602	74
7677605	72
Blank	86
LCS	87
MS	73

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control SummaryClient Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 02:13 PM

Group Number: 1518926

Surrogate Quality Control

MSD	73
Limits:	71-121

*- Outside of specification

**-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DuPont

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 11/14/2014 18:47
 Number of Packages: 3 Number of Projects: 1
 State/Province of Origin: North

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	1
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Patrick Engle (3472) at 19:55 on 11/14/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.7	DT	Wet	Y	Loose	N
2	DT121	0.1	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-2B	4	5	Received 1-1000mL jar intact containing no sample.
SSP14-ISM-DU-2A	1	3	Received 1 bag of sample for moisture analysis.
SSP14-ISM-DU-2B	1	3	Received 1 bag of sample for moisture analysis.
TB-11-12-14	1	2	

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
TB-11-11-12-14	TB-11-12-14	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 03, 2014

Project: BRE - ISM

Submittal Date: 11/22/2014

Group Number: 1520708

PO Number: LBIO-67047

State of Sample Origin: NC

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SSP14-ISM-DU-3A Soil	7686530
SSP14-ISM-DU-3A Soil	7686531
SSP14-ISM-DU-3A Soil	7686532
SSP14-ISM-DU-3B Soil	7686533
SSP14-ISM-DU-3B Soil	7686534
SSP14-ISM-DU-3B Soil	7686535
SSP14-ISM-DU-3C Soil	7686536
SSP14-ISM-DU-3C Soil	7686537
SSP14-ISM-DU-3C Soil	7686538
SSP14-ISM-DU-4A Soil	7686539
SSP14-ISM-DU-4A MS Soil	7686540
SSP14-ISM-DU-4A MSD Soil	7686541
SSP14-ISM-DU-4A Soil	7686542
SSP14-ISM-DU-4A MS Soil	7686543
SSP14-ISM-DU-4A MSD Soil	7686544
SSP14-ISM-DU-4A Soil	7686545
SSP14-ISM-DU-4A MS Soil	7686546
SSP14-ISM-DU-4A MSD Soil	7686547
SSP14-ISM-DU-4A Dupl Soil	7686548
TB-111814 Other Liquid	7686549
TB-112014 Other Liquid	7686550

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686530
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

VDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	390	U 390	1,100	46.12
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,500	46.12
10237	Acrolein	107-02-8	1,100	U 1,100	5,500	46.12
10237	Acrylonitrile	107-13-1	220	U 220	1,100	46.12
10237	Allyl Chloride	107-05-1	55	U 55	280	46.12
10237	Benzene	71-43-2	28	U 28	280	46.12
10237	Bromodichloromethane	75-27-4	55	U 55	280	46.12
10237	Bromoform	75-25-2	55	U 55	280	46.12
10237	Bromomethane	74-83-9	110	U 110	280	46.12
10237	2-Butanone	78-93-3	220	U 220	550	46.12
10237	Carbon Disulfide	75-15-0	55	U 55	280	46.12
10237	Carbon Tetrachloride	56-23-5	55	U 55	280	46.12
10237	2-Chloro-1,3-butadiene	126-99-8	55	U 55	280	46.12
10237	Chlorobenzene	108-90-7	55	U 55	280	46.12
10237	Chloroethane	75-00-3	110	U 110	280	46.12
10237	Chloroform	67-66-3	55	U 55	280	46.12
10237	Chloromethane	74-87-3	110	U 110	280	46.12
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	280	46.12
10237	Dibromochloromethane	124-48-1	55	U 55	280	46.12
10237	1,2-Dibromoethane	106-93-4	55	U 55	280	46.12
10237	Dibromomethane	74-95-3	55	U 55	280	46.12
10237	trans-1,4-Dichloro-2-butene	110-57-6	550	U 550	2,800	46.12
10237	Dichlorodifluoromethane	75-71-8	110	U 110	280	46.12
10237	1,1-Dichloroethane	75-34-3	55	U 55	280	46.12
10237	1,2-Dichloroethane	107-06-2	55	U 55	280	46.12
10237	1,1-Dichloroethene	75-35-4	55	U 55	280	46.12
10237	cis-1,2-Dichloroethene	156-59-2	55	U 55	280	46.12
10237	trans-1,2-Dichloroethene	156-60-5	55	U 55	280	46.12
10237	1,2-Dichloropropane	78-87-5	55	U 55	280	46.12
10237	cis-1,3-Dichloropropene	10061-01-5	55	U 55	280	46.12
10237	trans-1,3-Dichloropropene	10061-02-6	55	U 55	280	46.12
10237	Ethyl Methacrylate	97-63-2	55	U 55	280	46.12
10237	Ethylbenzene	100-41-4	55	U 55	280	46.12
10237	2-Hexanone	591-78-6	170	U 170	550	46.12
10237	Isobutyl Alcohol	78-83-1	5,500	U 5,500	14,000	46.12
10237	Methacrylonitrile	126-98-7	280	U 280	2,800	46.12
10237	Methyl Iodide	74-88-4	170	U 170	280	46.12
10237	Methyl Methacrylate	80-62-6	55	U 55	280	46.12
10237	4-Methyl-2-pentanone	108-10-1	170	U 170	550	46.12
10237	Methylene Chloride	75-09-2	110	U 110	280	46.12
10237	Pentachloroethane	76-01-7	55	U 55	280	46.12
10237	Propionitrile	107-12-0	1,700	U 1,700	5,500	46.12
10237	Styrene	100-42-5	55	U 55	280	46.12
10237	1,1,1,2-Tetrachloroethane	630-20-6	55	U 55	280	46.12
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	55	U 55	280	46.12
10237	Tetrachloroethene	127-18-4	55	U 55	280	46.12
10237	Toluene	108-88-3	55	U 55	280	46.12
10237	1,1,1-Trichloroethane	71-55-6	55	U 55	280	46.12
10237	1,1,2-Trichloroethane	79-00-5	55	U 55	280	46.12
10237	Trichloroethene	79-01-6	55	U 55	280	46.12
10237	Trichlorofluoromethane	75-69-4	200	J 110	280	46.12

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686530
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	55	U 55	280	46.12
10237	Vinyl Acetate	108-05-4	110	U 110	550	46.12
10237	Vinyl Chloride	75-01-4	55	U 55	280	46.12
10237	Xylene (Total)	1330-20-7	55	U 55	280	46.12
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	16.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 13:28	Sarah A Guill	46.12
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143231356501	11/19/2014 09:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143231356501	11/19/2014 09:50	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686531
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	200	4	20	1
10726	Acenaphthylene	208-96-8	110	4	20	1
10726	Acetophenone	98-86-2	20	U 20	40	1
10726	2-Acetylaminofluorene	53-96-3	80	U 80	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	600	1
10726	Aniline	62-53-3	200	U 200	600	1
10726	Anthracene	120-12-7	540	4	20	1
10726	Benzo(a)anthracene	56-55-3	2,100	4	20	1
10726	Benzo(a)pyrene	50-32-8	1,800	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,400	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	1,200	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	900	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	600	1
10726	1,1'-Biphenyl	92-52-4	26	J 20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	40	1
10726	Butylbenzylphthalate	85-68-7	80	U 80	200	1
10726	Di-n-butylphthalate	84-74-2	80	U 80	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	40	1
10726	4-Chloroaniline	106-47-8	20	U 20	40	1
10726	Chlorobenzilate	510-15-6	40	U 40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	40	1
10726	2-Chlorophenol	95-57-8	20	U 20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	40	1
10726	Chrysene	218-01-9	1,800	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40	U 40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	270	4	20	1
10726	Dibenzofuran	132-64-9	91	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	400	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	40	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	40	1
10726	Diethylphthalate	84-66-2	80	U 80	200	1
10726	Dimethoate	60-51-5	200	U 200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	80	U 80	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600	U 600	1,200	1
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	80	U 80	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	80	U 80	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	80	U 80	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686531
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	60	20	40	1
10726	Ethyl methanesulfonate	62-50-0	80	U 80	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	170	J 80	200	1
10726	Fluoranthene	206-44-0	3,700	4	20	1
10726	Fluorene	86-73-7	210	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,000	4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	80	U 80	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	40	1
10726	2-Methylnaphthalene	91-57-6	41	4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	120	4	20	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	80	U 80	200	1
10726	4-Nitroaniline	100-01-6	80	U 80	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	80	U 80	200	1
10726	N-Nitrosodi-n-butylamine	924-16-3	80	U 80	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686531
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	80	U 80	200	1
10726	N-Nitrosomorpholine	59-89-2	80	U 80	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	80	U 80	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	80	U 80	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	80	U 80	200	1
10726	Phenanthrene	85-01-8	1,900	4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	3,100	4	20	1
10726	Pyridine	110-86-1	80	U 80	200	1
10726	Safrole	94-59-7	80	U 80	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	80	U 80	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	80	U 80	200	1
10726	Thionazin	297-97-2	80	U 80	200	1
10726	o-Toluidine	95-53-4	240	U 240	800	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	80	U 80	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	16.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ISM 2014

LL Sample # SW 7686531
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 11:47	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 21:07	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ITRC
ISM 2014

LL Sample # SW 7686532
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU3A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.3 U	4.3	20	1
10885	PCB-1221	11104-28-2	5.4 U	5.4	20	1
10885	PCB-1232	11141-16-5	9.5 U	9.5	20	1
10885	PCB-1242	53469-21-9	3.9 U	3.9	20	1
10885	PCB-1248	12672-29-6	3.9 U	3.9	20	1
10885	PCB-1254	11097-69-1	160	3.9	20	1
10885	PCB-1260	11096-82-5	5.8 U	5.8	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	60.9	0.0388	1.18	1
06947	Beryllium	7440-41-7	1.25	0.0789	1.18	1
06949	Cadmium	7440-43-9	0.405 J	0.0388	1.18	1
06951	Chromium	7440-47-3	9.54	0.129	3.53	1
06952	Cobalt	7440-48-4	3.20	0.113	1.18	1
06953	Copper	7440-50-8	10.0	0.388	2.35	1
06961	Nickel	7440-02-0	34.2	0.177	2.35	1
06966	Silver	7440-22-4	18.3	0.224	1.18	1
06969	Tin	7440-31-5	2.85 J	0.506	23.5	1
06971	Vanadium	7440-62-2	23.4	0.107	1.18	1
06972	Zinc	7440-66-6	85.6	0.306	4.71	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.465 J	0.0993	0.471	2
06125	Arsenic	7440-38-2	2.81	0.101	0.942	2
06135	Lead	7439-92-1	22.2	0.0151	0.471	2
06141	Selenium	7782-49-2	0.228 J	0.118	0.942	2
06145	Thallium	7440-28-0	0.325	0.0353	0.235	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.265	0.0118	0.235	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	16.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3A Soil
ITRC
ISM 2014

LL Sample # SW 7686532
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 09:50 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MDU3A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 00:07	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	11/26/2014 18:24	Katlin N Cataldi	1
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:33	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:33	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:33	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:27	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:33	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 09:59	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686533
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	360	U 360	1,000	44.41
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,200	44.41
10237	Acrolein	107-02-8	1,000	U 1,000	5,200	44.41
10237	Acrylonitrile	107-13-1	210	U 210	1,000	44.41
10237	Allyl Chloride	107-05-1	52	U 52	260	44.41
10237	Benzene	71-43-2	26	U 26	260	44.41
10237	Bromodichloromethane	75-27-4	52	U 52	260	44.41
10237	Bromoform	75-25-2	52	U 52	260	44.41
10237	Bromomethane	74-83-9	100	U 100	260	44.41
10237	2-Butanone	78-93-3	210	U 210	520	44.41
10237	Carbon Disulfide	75-15-0	52	U 52	260	44.41
10237	Carbon Tetrachloride	56-23-5	52	U 52	260	44.41
10237	2-Chloro-1,3-butadiene	126-99-8	52	U 52	260	44.41
10237	Chlorobenzene	108-90-7	52	U 52	260	44.41
10237	Chloroethane	75-00-3	100	U 100	260	44.41
10237	Chloroform	67-66-3	52	U 52	260	44.41
10237	Chloromethane	74-87-3	100	U 100	260	44.41
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U 100	260	44.41
10237	Dibromochloromethane	124-48-1	52	U 52	260	44.41
10237	1,2-Dibromoethane	106-93-4	52	U 52	260	44.41
10237	Dibromomethane	74-95-3	52	U 52	260	44.41
10237	trans-1,4-Dichloro-2-butene	110-57-6	520	U 520	2,600	44.41
10237	Dichlorodifluoromethane	75-71-8	100	U 100	260	44.41
10237	1,1-Dichloroethane	75-34-3	52	U 52	260	44.41
10237	1,2-Dichloroethane	107-06-2	52	U 52	260	44.41
10237	1,1-Dichloroethene	75-35-4	52	U 52	260	44.41
10237	cis-1,2-Dichloroethene	156-59-2	52	U 52	260	44.41
10237	trans-1,2-Dichloroethene	156-60-5	52	U 52	260	44.41
10237	1,2-Dichloropropane	78-87-5	52	U 52	260	44.41
10237	cis-1,3-Dichloropropene	10061-01-5	52	U 52	260	44.41
10237	trans-1,3-Dichloropropene	10061-02-6	52	U 52	260	44.41
10237	Ethyl Methacrylate	97-63-2	52	U 52	260	44.41
10237	Ethylbenzene	100-41-4	52	U 52	260	44.41
10237	2-Hexanone	591-78-6	150	U 150	520	44.41
10237	Isobutyl Alcohol	78-83-1	5,200	U 5,200	13,000	44.41
10237	Methacrylonitrile	126-98-7	260	U 260	2,600	44.41
10237	Methyl Iodide	74-88-4	150	U 150	260	44.41
10237	Methyl Methacrylate	80-62-6	52	U 52	260	44.41
10237	4-Methyl-2-pentanone	108-10-1	150	U 150	520	44.41
10237	Methylene Chloride	75-09-2	100	U 100	260	44.41
10237	Pentachloroethane	76-01-7	52	U 52	260	44.41
10237	Propionitrile	107-12-0	1,500	U 1,500	5,200	44.41
10237	Styrene	100-42-5	52	U 52	260	44.41
10237	1,1,1,2-Tetrachloroethane	630-20-6	52	U 52	260	44.41
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	52	U 52	260	44.41
10237	Tetrachloroethene	127-18-4	52	U 52	260	44.41
10237	Toluene	108-88-3	52	U 52	260	44.41
10237	1,1,1-Trichloroethane	71-55-6	52	U 52	260	44.41
10237	1,1,2-Trichloroethane	79-00-5	52	U 52	260	44.41
10237	Trichloroethene	79-01-6	52	U 52	260	44.41
10237	Trichlorofluoromethane	75-69-4	210	J 100	260	44.41

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686533
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

VDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	52	U 52	260	44.41
10237	Vinyl Acetate	108-05-4	100	U 100	520	44.41
10237	Vinyl Chloride	75-01-4	52	U 52	260	44.41
10237	Xylene (Total)	1330-20-7	52	U 52	260	44.41
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 13:51	Sarah A Guill	44.41
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143231356501	11/19/2014 14:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143231356501	11/19/2014 14:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686534
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	260	4	20	1
10726	Acenaphthylene	208-96-8	230	4	20	1
10726	Acetophenone	98-86-2	19	U 19	39	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	870	4	20	1
10726	Benzo(a)anthracene	56-55-3	2,700	4	20	1
10726	Benzo(a)pyrene	50-32-8	2,500	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	3,400	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	1,600	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	1,300	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	81	U 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	2,600	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	390	4	20	1
10726	Dibenzofuran	132-64-9	140	U 19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686534
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	180	19	39	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	180	J 77	200	1
10726	Fluoranthene	206-44-0	5,300	8	39	2
10726	Fluorene	86-73-7	390	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,500	4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	52	4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	120	4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,900	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686534
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	3,200	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	4,200	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ISM 2014

LL Sample # SW 7686534
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 12:10	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 23:55	William H Saadeh	2
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 21:21	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ITRC
ISM 2014

LL Sample # SW 7686535
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU3B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.2 U	4.2	20	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	20	1
10885	PCB-1232	11141-16-5	9.2 U	9.2	20	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	20	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	20	1
10885	PCB-1254	11097-69-1	190	3.8	20	1
10885	PCB-1260	11096-82-5	5.7 U	5.7	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	54.5	0.0384	1.16	1
06947	Beryllium	7440-41-7	1.12 J	0.0779	1.16	1
06949	Cadmium	7440-43-9	0.400 J	0.0384	1.16	1
06951	Chromium	7440-47-3	10.7	0.128	3.49	1
06952	Cobalt	7440-48-4	3.27	0.112	1.16	1
06953	Copper	7440-50-8	13.4	0.384	2.33	1
06961	Nickel	7440-02-0	21.9	0.174	2.33	1
06966	Silver	7440-22-4	10.9	0.221	1.16	1
06969	Tin	7440-31-5	2.83 J	0.500	23.3	1
06971	Vanadium	7440-62-2	22.4	0.106	1.16	1
06972	Zinc	7440-66-6	136	1.51	23.3	5
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.812	0.0981	0.465	2
06125	Arsenic	7440-38-2	2.33	0.0993	0.930	2
06135	Lead	7439-92-1	23.4	0.0373	1.16	5
06141	Selenium	7782-49-2	0.210 J	0.116	0.930	2
06145	Thallium	7440-28-0	0.281	0.0349	0.233	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0517 J	0.0113	0.225	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3B Soil
ITRC
ISM 2014

LL Sample # SW 7686535
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/19/2014 14:15 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU3B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 00:18	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:37	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	12/02/2014 22:34	Elaine F Stoltzfus	5
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:40	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:40	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	12/02/2014 14:36	Maria A Orrs	5
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:29	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:40	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 10:01	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686536
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

VDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	350	U 350	1,000	43.22
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,100	43.22
10237	Acrolein	107-02-8	1,000	U 1,000	5,100	43.22
10237	Acrylonitrile	107-13-1	200	U 200	1,000	43.22
10237	Allyl Chloride	107-05-1	51	U 51	250	43.22
10237	Benzene	71-43-2	25	U 25	250	43.22
10237	Bromodichloromethane	75-27-4	51	U 51	250	43.22
10237	Bromoform	75-25-2	51	U 51	250	43.22
10237	Bromomethane	74-83-9	100	U 100	250	43.22
10237	2-Butanone	78-93-3	200	U 200	510	43.22
10237	Carbon Disulfide	75-15-0	51	U 51	250	43.22
10237	Carbon Tetrachloride	56-23-5	51	U 51	250	43.22
10237	2-Chloro-1,3-butadiene	126-99-8	51	U 51	250	43.22
10237	Chlorobenzene	108-90-7	51	U 51	250	43.22
10237	Chloroethane	75-00-3	100	U 100	250	43.22
10237	Chloroform	67-66-3	51	U 51	250	43.22
10237	Chloromethane	74-87-3	100	U 100	250	43.22
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U 100	250	43.22
10237	Dibromochloromethane	124-48-1	51	U 51	250	43.22
10237	1,2-Dibromoethane	106-93-4	51	U 51	250	43.22
10237	Dibromomethane	74-95-3	51	U 51	250	43.22
10237	trans-1,4-Dichloro-2-butene	110-57-6	510	U 510	2,500	43.22
10237	Dichlorodifluoromethane	75-71-8	100	U 100	250	43.22
10237	1,1-Dichloroethane	75-34-3	51	U 51	250	43.22
10237	1,2-Dichloroethane	107-06-2	51	U 51	250	43.22
10237	1,1-Dichloroethene	75-35-4	51	U 51	250	43.22
10237	cis-1,2-Dichloroethene	156-59-2	51	U 51	250	43.22
10237	trans-1,2-Dichloroethene	156-60-5	51	U 51	250	43.22
10237	1,2-Dichloropropane	78-87-5	51	U 51	250	43.22
10237	cis-1,3-Dichloropropene	10061-01-5	51	U 51	250	43.22
10237	trans-1,3-Dichloropropene	10061-02-6	51	U 51	250	43.22
10237	Ethyl Methacrylate	97-63-2	51	U 51	250	43.22
10237	Ethylbenzene	100-41-4	51	U 51	250	43.22
10237	2-Hexanone	591-78-6	150	U 150	510	43.22
10237	Isobutyl Alcohol	78-83-1	5,100	U 5,100	13,000	43.22
10237	Methacrylonitrile	126-98-7	250	U 250	2,500	43.22
10237	Methyl Iodide	74-88-4	150	U 150	250	43.22
10237	Methyl Methacrylate	80-62-6	51	U 51	250	43.22
10237	4-Methyl-2-pentanone	108-10-1	150	U 150	510	43.22
10237	Methylene Chloride	75-09-2	100	U 100	250	43.22
10237	Pentachloroethane	76-01-7	51	U 51	250	43.22
10237	Propionitrile	107-12-0	1,500	U 1,500	5,100	43.22
10237	Styrene	100-42-5	51	U 51	250	43.22
10237	1,1,1,2-Tetrachloroethane	630-20-6	51	U 51	250	43.22
10237	1,1,1,2-Tetrachloroethane	79-34-5	51	U 51	250	43.22
10237	Tetrachloroethene	127-18-4	51	U 51	250	43.22
10237	Toluene	108-88-3	51	U 51	250	43.22
10237	1,1,1-Trichloroethane	71-55-6	51	U 51	250	43.22
10237	1,1,2-Trichloroethane	79-00-5	51	U 51	250	43.22
10237	Trichloroethene	79-01-6	51	U 51	250	43.22
10237	Trichlorofluoromethane	75-69-4	100	J 100	250	43.22

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686536
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

VDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	51	U 51	250	43.22
10237	Vinyl Acetate	108-05-4	100	U 100	510	43.22
10237	Vinyl Chloride	75-01-4	51	U 51	250	43.22
10237	Xylene (Total)	1330-20-7	51	U 51	250	43.22
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	14.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 14:14	Sarah A Guill	43.22
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143241356501	11/20/2014 10:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143241356501	11/20/2014 10:00	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686537
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	310	4	20	1
10726	Acenaphthylene	208-96-8	71	4	20	1
10726	Acetophenone	98-86-2	19	U 19	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	740	4	20	1
10726	Benzo(a)anthracene	56-55-3	2,000	4	20	1
10726	Benzo(a)pyrene	50-32-8	1,700	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,500	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	920	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	790	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	29	J 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	190	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	1,900	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	290	4	20	1
10726	Dibenzofuran	132-64-9	160	19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	78	U 78	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686537
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	40	19	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	110	J 78	200	1
10726	Fluoranthene	206-44-0	4,100	4	20	1
10726	Fluorene	86-73-7	350	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,000	4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	78	U 78	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	52	4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	120	4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	190	1
10726	4-Nitroaniline	100-01-6	78	U 78	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686537
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	190	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	190	1
10726	Phenanthrene	85-01-8	2,800	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	3,200	4	20	1
10726	Pyridine	110-86-1	78	U 78	190	1
10726	Safrole	94-59-7	78	U 78	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	190	1
10726	Thionazin	297-97-2	78	U 78	190	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ISM 2014

LL Sample # SW 7686537
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU3C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 12:33	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 21:36	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ITRC
ISM 2014

LL Sample # SW 7686538
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU3C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.2 U	4.2	20	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	20	1
10885	PCB-1232	11141-16-5	9.3 U	9.3	20	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	20	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	20	1
10885	PCB-1254	11097-69-1	66	3.8	20	1
10885	PCB-1260	11096-82-5	5.7 U	5.7	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	68.3	0.0375	1.14	1
06947	Beryllium	7440-41-7	0.922 J	0.0761	1.14	1
06949	Cadmium	7440-43-9	0.337 J	0.0375	1.14	1
06951	Chromium	7440-47-3	9.93	0.125	3.41	1
06952	Cobalt	7440-48-4	3.64	0.109	1.14	1
06953	Copper	7440-50-8	13.0	0.375	2.27	1
06961	Nickel	7440-02-0	14.9	0.170	2.27	1
06966	Silver	7440-22-4	132	1.08	5.68	5
06969	Tin	7440-31-5	2.58 J	0.488	22.7	1
06971	Vanadium	7440-62-2	24.9	0.103	1.14	1
06972	Zinc	7440-66-6	135	1.48	22.7	5
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.379 J	0.0958	0.454	2
06125	Arsenic	7440-38-2	2.10	0.0970	0.908	2
06135	Lead	7439-92-1	18.2	0.0146	0.454	2
06141	Selenium	7782-49-2	0.290 J	0.114	0.908	2
06145	Thallium	7440-28-0	0.275	0.0341	0.227	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.106 J	0.0115	0.230	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-3C Soil
ITRC
ISM 2014

LL Sample # SW 7686538
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:00 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU3C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 00:30	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	12/02/2014 22:46	Elaine F Stoltzfus	5
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:41	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	12/02/2014 22:46	Elaine F Stoltzfus	5
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:43	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:43	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:43	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:39	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:43	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 10:07	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686539
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	380	U 380	1,100	47.68
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,500	47.68
10237	Acrolein	107-02-8	1,100	U 1,100	5,500	47.68
10237	Acrylonitrile	107-13-1	220	U 220	1,100	47.68
10237	Allyl Chloride	107-05-1	55	U 55	270	47.68
10237	Benzene	71-43-2	27	U 27	270	47.68
10237	Bromodichloromethane	75-27-4	55	U 55	270	47.68
10237	Bromoform	75-25-2	55	U 55	270	47.68
10237	Bromomethane	74-83-9	110	U 110	270	47.68
10237	2-Butanone	78-93-3	220	U 220	550	47.68
10237	Carbon Disulfide	75-15-0	55	U 55	270	47.68
10237	Carbon Tetrachloride	56-23-5	55	U 55	270	47.68
10237	2-Chloro-1,3-butadiene	126-99-8	55	U 55	270	47.68
10237	Chlorobenzene	108-90-7	55	U 55	270	47.68
10237	Chloroethane	75-00-3	110	U 110	270	47.68
10237	Chloroform	67-66-3	55	U 55	270	47.68
10237	Chloromethane	74-87-3	110	U 110	270	47.68
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	270	47.68
10237	Dibromochloromethane	124-48-1	55	U 55	270	47.68
10237	1,2-Dibromoethane	106-93-4	55	U 55	270	47.68
10237	Dibromomethane	74-95-3	55	U 55	270	47.68
10237	trans-1,4-Dichloro-2-butene	110-57-6	550	U 550	2,700	47.68
10237	Dichlorodifluoromethane	75-71-8	110	U 110	270	47.68
10237	1,1-Dichloroethane	75-34-3	55	U 55	270	47.68
10237	1,2-Dichloroethane	107-06-2	55	U 55	270	47.68
10237	1,1-Dichloroethene	75-35-4	55	U 55	270	47.68
10237	cis-1,2-Dichloroethene	156-59-2	55	U 55	270	47.68
10237	trans-1,2-Dichloroethene	156-60-5	55	U 55	270	47.68
10237	1,2-Dichloropropane	78-87-5	55	U 55	270	47.68
10237	cis-1,3-Dichloropropene	10061-01-5	55	U 55	270	47.68
10237	trans-1,3-Dichloropropene	10061-02-6	55	U 55	270	47.68
10237	Ethyl Methacrylate	97-63-2	55	U 55	270	47.68
10237	Ethylbenzene	100-41-4	55	U 55	270	47.68
10237	2-Hexanone	591-78-6	160	U 160	550	47.68
10237	Isobutyl Alcohol	78-83-1	5,500	U 5,500	14,000	47.68
10237	Methacrylonitrile	126-98-7	270	U 270	2,700	47.68
10237	Methyl Iodide	74-88-4	160	U 160	270	47.68
10237	Methyl Methacrylate	80-62-6	55	U 55	270	47.68
10237	4-Methyl-2-pentanone	108-10-1	160	U 160	550	47.68
10237	Methylene Chloride	75-09-2	110	U 110	270	47.68
10237	Pentachloroethane	76-01-7	55	U 55	270	47.68
10237	Propionitrile	107-12-0	1,600	U 1,600	5,500	47.68
10237	Styrene	100-42-5	55	U 55	270	47.68
10237	1,1,1,2-Tetrachloroethane	630-20-6	55	U 55	270	47.68
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	55	U 55	270	47.68
10237	Tetrachloroethene	127-18-4	55	U 55	270	47.68
10237	Toluene	108-88-3	55	U 55	270	47.68
10237	1,1,1-Trichloroethane	71-55-6	55	U 55	270	47.68
10237	1,1,2-Trichloroethane	79-00-5	55	U 55	270	47.68
10237	Trichloroethene	79-01-6	55	U 55	270	47.68
10237	Trichlorofluoromethane	75-69-4	480	110	270	47.68

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686539
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	55	U 55	270	47.68
10237	Vinyl Acetate	108-05-4	110	U 110	550	47.68
10237	Vinyl Chloride	75-01-4	55	U 55	270	47.68
10237	Xylene (Total)	1330-20-7	55	U 55	270	47.68
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 14:38	Sarah A Guill	47.68
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143251356501	11/21/2014 09:35	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686540
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	7,900	380	1,100	47.68
10237	Acetonitrile	75-05-8	6,900	1,400	5,500	47.68
10237	Acrolein	107-02-8	6,800	1,100	5,500	47.68
10237	Acrylonitrile	107-13-1	5,100	220	1,100	47.68
10237	Allyl Chloride	107-05-1	1,300	55	270	47.68
10237	Benzene	71-43-2	1,300	27	270	47.68
10237	Bromodichloromethane	75-27-4	1,200	55	270	47.68
10237	Bromoform	75-25-2	1,000	55	270	47.68
10237	Bromomethane	74-83-9	1,900	110	270	47.68
10237	2-Butanone	78-93-3	7,900	220	550	47.68
10237	Carbon Disulfide	75-15-0	860	55	270	47.68
10237	Carbon Tetrachloride	56-23-5	1,400	55	270	47.68
10237	2-Chloro-1,3-butadiene	126-99-8	1,300	55	270	47.68
10237	Chlorobenzene	108-90-7	1,200	55	270	47.68
10237	Chloroethane	75-00-3	1,500	110	270	47.68
10237	Chloroform	67-66-3	1,400	55	270	47.68
10237	Chloromethane	74-87-3	1,200	110	270	47.68
10237	1,2-Dibromo-3-chloropropane	96-12-8	940	110	270	47.68
10237	Dibromochloromethane	124-48-1	1,100	55	270	47.68
10237	1,2-Dibromoethane	106-93-4	1,100	55	270	47.68
10237	Dibromomethane	74-95-3	1,200	55	270	47.68
10237	trans-1,4-Dichloro-2-butene	110-57-6	6,400	550	2,700	47.68
10237	Dichlorodifluoromethane	75-71-8	1,500	110	270	47.68
10237	1,1-Dichloroethane	75-34-3	1,300	55	270	47.68
10237	1,2-Dichloroethane	107-06-2	1,500	55	270	47.68
10237	1,1-Dichloroethene	75-35-4	1,300	55	270	47.68
10237	cis-1,2-Dichloroethene	156-59-2	1,300	55	270	47.68
10237	trans-1,2-Dichloroethene	156-60-5	1,300	55	270	47.68
10237	1,2-Dichloropropane	78-87-5	1,200	55	270	47.68
10237	cis-1,3-Dichloropropene	10061-01-5	1,200	55	270	47.68
10237	trans-1,3-Dichloropropene	10061-02-6	1,200	55	270	47.68
10237	Ethyl Methacrylate	97-63-2	1,100	55	270	47.68
10237	Ethylbenzene	100-41-4	1,200	55	270	47.68
10237	2-Hexanone	591-78-6	5,200	160	550	47.68
10237	Isobutyl Alcohol	78-83-1	27,000	5,500	14,000	47.68
10237	Methacrylonitrile	126-98-7	8,700	270	2,700	47.68
10237	Methyl Iodide	74-88-4	1,200	160	270	47.68
10237	Methyl Methacrylate	80-62-6	1,100	55	270	47.68
10237	4-Methyl-2-pentanone	108-10-1	5,400	160	550	47.68
10237	Methylene Chloride	75-09-2	1,300	110	270	47.68
10237	Pentachloroethane	76-01-7	1,100	55	270	47.68
10237	Propionitrile	107-12-0	7,900	1,600	5,500	47.68
10237	Styrene	100-42-5	1,200	55	270	47.68
10237	1,1,1,2-Tetrachloroethane	630-20-6	1,200	55	270	47.68
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1,100	55	270	47.68
10237	Tetrachloroethene	127-18-4	1,200	55	270	47.68
10237	Toluene	108-88-3	1,200	55	270	47.68
10237	1,1,1-Trichloroethane	71-55-6	1,400	55	270	47.68
10237	1,1,2-Trichloroethane	79-00-5	1,100	55	270	47.68
10237	Trichloroethene	79-01-6	1,300	55	270	47.68
10237	Trichlorofluoromethane	75-69-4	2,100	110	270	47.68

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686540
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1,200	55	270	47.68
10237	Vinyl Acetate	108-05-4	4,600	110	550	47.68
10237	Vinyl Chloride	75-01-4	1,300	55	270	47.68
10237	Xylene (Total)	1330-20-7	3,500	55	270	47.68
Wet Chemistry			SM 2540 G-1997	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 15:01	Sarah A Guill	47.68
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 15:47	Sarah A Guill	47.68
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143251356501	11/21/2014 09:35	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686541
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	6,900	380	1,100	47.68
10237	Acetonitrile	75-05-8	8,300	1,400	5,500	47.68
10237	Acrolein	107-02-8	6,300	1,100	5,500	47.68
10237	Acrylonitrile	107-13-1	4,700	220	1,100	47.68
10237	Allyl Chloride	107-05-1	1,200	55	270	47.68
10237	Benzene	71-43-2	1,100	27	270	47.68
10237	Bromodichloromethane	75-27-4	1,100	55	270	47.68
10237	Bromoform	75-25-2	950	55	270	47.68
10237	Bromomethane	74-83-9	1,700	110	270	47.68
10237	2-Butanone	78-93-3	7,200	220	550	47.68
10237	Carbon Disulfide	75-15-0	790	55	270	47.68
10237	Carbon Tetrachloride	56-23-5	1,300	55	270	47.68
10237	2-Chloro-1,3-butadiene	126-99-8	1,200	55	270	47.68
10237	Chlorobenzene	108-90-7	1,100	55	270	47.68
10237	Chloroethane	75-00-3	1,300	110	270	47.68
10237	Chloroform	67-66-3	1,300	55	270	47.68
10237	Chloromethane	74-87-3	1,100	110	270	47.68
10237	1,2-Dibromo-3-chloropropane	96-12-8	850	110	270	47.68
10237	Dibromochloromethane	124-48-1	1,000	55	270	47.68
10237	1,2-Dibromoethane	106-93-4	1,000	55	270	47.68
10237	Dibromomethane	74-95-3	1,200	55	270	47.68
10237	trans-1,4-Dichloro-2-butene	110-57-6	5,900	550	2,700	47.68
10237	Dichlorodifluoromethane	75-71-8	1,300	110	270	47.68
10237	1,1-Dichloroethane	75-34-3	1,200	55	270	47.68
10237	1,2-Dichloroethane	107-06-2	1,300	55	270	47.68
10237	1,1-Dichloroethene	75-35-4	1,200	55	270	47.68
10237	cis-1,2-Dichloroethene	156-59-2	1,200	55	270	47.68
10237	trans-1,2-Dichloroethene	156-60-5	1,200	55	270	47.68
10237	1,2-Dichloropropane	78-87-5	1,100	55	270	47.68
10237	cis-1,3-Dichloropropene	10061-01-5	1,100	55	270	47.68
10237	trans-1,3-Dichloropropene	10061-02-6	1,100	55	270	47.68
10237	Ethyl Methacrylate	97-63-2	960	55	270	47.68
10237	Ethylbenzene	100-41-4	1,100	55	270	47.68
10237	2-Hexanone	591-78-6	4,900	160	550	47.68
10237	Isobutyl Alcohol	78-83-1	27,000	5,500	14,000	47.68
10237	Methacrylonitrile	126-98-7	7,900	270	2,700	47.68
10237	Methyl Iodide	74-88-4	1,100	160	270	47.68
10237	Methyl Methacrylate	80-62-6	1,100	55	270	47.68
10237	4-Methyl-2-pentanone	108-10-1	5,000	160	550	47.68
10237	Methylene Chloride	75-09-2	1,100	110	270	47.68
10237	Pentachloroethane	76-01-7	1,000	55	270	47.68
10237	Propionitrile	107-12-0	7,500	1,600	5,500	47.68
10237	Styrene	100-42-5	1,100	55	270	47.68
10237	1,1,1,2-Tetrachloroethane	630-20-6	1,100	55	270	47.68
10237	1,1,1,2-Tetrachloroethane	79-34-5	950	55	270	47.68
10237	Tetrachloroethene	127-18-4	1,100	55	270	47.68
10237	Toluene	108-88-3	1,100	55	270	47.68
10237	1,1,1-Trichloroethane	71-55-6	1,300	55	270	47.68
10237	1,1,2-Trichloroethane	79-00-5	1,000	55	270	47.68
10237	Trichloroethene	79-01-6	1,200	55	270	47.68
10237	Trichlorofluoromethane	75-69-4	1,900	110	270	47.68

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686541
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

VDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1,100	55	270	47.68
10237	Vinyl Acetate	108-05-4	4,900	110	550	47.68
10237	Vinyl Chloride	75-01-4	1,200	55	270	47.68
10237	Xylene (Total)	1330-20-7	3,200	55	270	47.68
Wet Chemistry SM 2540 G-1997			%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1
00121	Moisture Duplicate	n.a.	12.2	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 15:24	Sarah A Guill	47.68
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 16:10	Sarah A Guill	47.68
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143251356501	11/21/2014 09:35	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143251356501	11/21/2014 09:35	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686542
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	60	4	20	1
10726	Acenaphthylene	208-96-8	62	4	20	1
10726	Acetophenone	98-86-2	27	J 19	38	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	230	4	20	1
10726	Benzo(a)anthracene	56-55-3	730	4	20	1
10726	Benzo(a)pyrene	50-32-8	640	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	860	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	430	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	290	4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	700	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	98	4	20	1
10726	Dibenzofuran	132-64-9	40	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686542
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	21	J 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	1,600	4	20	1
10726	Fluorene	86-73-7	100	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	390	4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	21	4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	51	4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686542
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	880	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	1,100	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ISM 2014

LL Sample # SW 7686542
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 10:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 21:51	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686543
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,700	4	20	1
10726	Acenaphthylene	208-96-8	2,000	4	20	1
10726	Acetophenone	98-86-2	1,700	19	38	1
10726	2-Acetylaminofluorene	53-96-3	2,300	77	190	1
10726	4-Aminobiphenyl	92-67-1	1,200	190	570	1
10726	Aniline	62-53-3	910	190	570	1
10726	Anthracene	120-12-7	2,300	4	20	1
10726	Benzo(a)anthracene	56-55-3	2,600	4	20	1
10726	Benzo(a)pyrene	50-32-8	2,600	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	2,800	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	2,300	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	2,300	4	20	1
10726	Benzyl alcohol	100-51-6	1,700	190	570	1
10726	1,1'-Biphenyl	92-52-4	1,700	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	1,900	19	38	1
10726	Butylbenzylphthalate	85-68-7	2,000	77	190	1
10726	Di-n-butylphthalate	84-74-2	2,100	77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	1,800	19	38	1
10726	4-Chloroaniline	106-47-8	1,000	19	38	1
10726	Chlorobenzilate	510-15-6	2,300	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	2,000	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,700	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,800	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	2,100	8	38	1
10726	2-Chlorophenol	95-57-8	1,800	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,800	19	38	1
10726	Chrysene	218-01-9	2,600	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	1,900	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	2,000	4	20	1
10726	Dibenzofuran	132-64-9	1,800	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	1,700	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	1,800	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	1,700	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,900	110	380	1
10726	2,4-Dichlorophenol	120-83-2	1,700	19	38	1
10726	2,6-Dichlorophenol	87-65-0	1,600	19	38	1
10726	Diethylphthalate	84-66-2	1,900	77	190	1
10726	Dimethoate	60-51-5	1,500	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,300	77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,800	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,000	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	1,800	19	38	1
10726	Dimethylphthalate	131-11-3	1,800	77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,100	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	1,800	77	190	1
10726	2,4-Dinitrophenol	51-28-5	3,300	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	1,900	77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686543
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	1,900	19	38	1
10726	1,4-Dioxane	123-91-1	1,000	110	380	1
10726	Diphenyl ether	101-84-8	1,700	19	38	1
10726	Ethyl methanesulfonate	62-50-0	1,500	77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	11,000	E 77	200	1
10726	Fluoranthene	206-44-0	3,300	4	20	1
10726	Fluorene	86-73-7	1,900	4	20	1
10726	Hexachlorobenzene	118-74-1	1,900	4	20	1
10726	Hexachlorobutadiene	87-68-3	2,100	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	2,100	190	570	1
10726	Hexachloroethane	67-72-1	1,900	38	190	1
10726	Hexachloropropene	1888-71-7	1,800	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,200	4	20	1
10726	Isodrin	465-73-6	1,900	19	38	1
10726	Isophorone	78-59-1	1,800	19	38	1
10726	Isosafrole	120-58-1	2,000	77	190	1
10726	Methapyrilene	91-80-5	7,800	E 1,900	5,700	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	1,500	38	190	1
10726	3-Methylcholanthrene	56-49-5	2,100	19	38	1
10726	2-Methylnaphthalene	91-57-6	1,700	4	20	1
10726	2-Methylphenol	95-48-7	1,600	19	38	1
10726	4-Methylphenol	106-44-5	1,500	19	38	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,800	4	20	1
10726	1,4-Naphthoquinone	130-15-4	1,300	J 960	3,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	2,300	190	570	1
10726	2-Naphthylamine	91-59-8	1,500	190	570	1
10726	2-Nitroaniline	88-74-4	1,900	19	38	1
10726	3-Nitroaniline	99-09-2	1,700	77	190	1
10726	4-Nitroaniline	100-01-6	1,600	77	190	1
10726	Nitrobenzene	98-95-3	1,800	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	1,100	190	570	1
10726	2-Nitrophenol	88-75-5	1,800	19	38	1
10726	4-Nitrophenol	100-02-7	2,100	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	16,000	E 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	1,600	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	1,600	77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	1,500	77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,600	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	1,900	19	38	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686543
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	1,400	77	190	1
10726	N-Nitrosomorpholine	59-89-2	1,600	77	190	1
10726	N-Nitrosopiperidine	100-75-4	1,600	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	1,500	19	38	1
10726	Di-n-octylphthalate	117-84-0	2,200	77	190	1
10726	Pentachlorobenzene	608-93-5	2,000	19	38	1
10726	Pentachloronitrobenzene	82-68-8	2,300	77	190	1
10726	Pentachlorophenol	87-86-5	1,800	38	200	1
10726	Phenacetin	62-44-2	2,200	77	190	1
10726	Phenanthrene	85-01-8	2,600	4	20	1
10726	Phenol	108-95-2	1,500	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	1,400	110	380	1
10726	Pronamide	23950-58-5	2,100	38	190	1
10726	Pyrene	129-00-0	2,800	4	20	1
10726	Pyridine	110-86-1	1,400	77	190	1
10726	Safrole	94-59-7	1,700	77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	2,000	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,100	77	190	1
10726	Tetraethylthiopyrophosphate	3689-24-5	2,000	77	190	1
10726	Thionazin	297-97-2	1,800	77	190	1
10726	o-Toluidine	95-53-4	740	J 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	1,800	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	1,900	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	1,800	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,600	77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,300	190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	150	5.7	11	1
12925	Ethylene glycol	107-21-1	190	5.7	11	1
12925	Propylene glycol	57-55-6	190	5.7	11	1
12925	Triethylene glycol	112-27-6	120	5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ISM 2014

LL Sample # SW 7686543
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 11:01	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 22:06	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686544
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,800	4	19	1
10726	Acenaphthylene	208-96-8	2,100	4	19	1
10726	Acetophenone	98-86-2	3,400	19	38	1
10726	2-Acetylaminofluorene	53-96-3	2,300	76	190	1
10726	4-Aminobiphenyl	92-67-1	1,300	190	570	1
10726	Aniline	62-53-3	910	190	570	1
10726	Anthracene	120-12-7	2,000	4	19	1
10726	Benzo(a)anthracene	56-55-3	3,600	4	19	1
10726	Benzo(a)pyrene	50-32-8	2,600	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	2,700	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	2,500	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	19	1
10726	Benzyl alcohol	100-51-6	1,900	190	570	1
10726	1,1'-Biphenyl	92-52-4	1,800	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	2,000	19	38	1
10726	Butylbenzylphthalate	85-68-7	2,200	76	190	1
10726	Di-n-butylphthalate	84-74-2	2,000	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	1,700	19	38	1
10726	4-Chloroaniline	106-47-8	930	19	38	1
10726	Chlorobenzilate	510-15-6	2,400	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,600	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,800	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,800	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	2,100	8	38	1
10726	2-Chlorophenol	95-57-8	1,900	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,900	19	38	1
10726	Chrysene	218-01-9	3,200	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	2,000	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	2,200	4	19	1
10726	Dibenzofuran	132-64-9	2,000	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	1,800	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	1,900	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	1,800	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,800	110	380	1
10726	2,4-Dichlorophenol	120-83-2	1,900	19	38	1
10726	2,6-Dichlorophenol	87-65-0	1,500	19	38	1
10726	Diethylphthalate	84-66-2	1,800	76	190	1
10726	Dimethoate	60-51-5	1,500	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,500	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,400	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,100	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	1,800	19	38	1
10726	Dimethylphthalate	131-11-3	1,900	76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	1,700	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	1,800	76	190	1
10726	2,4-Dinitrophenol	51-28-5	3,000	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	1,900	76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686544
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	1,900	19	38	1
10726	1,4-Dioxane	123-91-1	930	110	380	1
10726	Diphenyl ether	101-84-8	1,900	19	38	1
10726	Ethyl methanesulfonate	62-50-0	1,600	76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,400	76	190	1
10726	Fluoranthene	206-44-0	3,500	4	19	1
10726	Fluorene	86-73-7	2,000	4	19	1
10726	Hexachlorobenzene	118-74-1	1,800	4	19	1
10726	Hexachlorobutadiene	87-68-3	1,900	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	1,300	190	570	1
10726	Hexachloroethane	67-72-1	2,100	38	190	1
10726	Hexachloropropene	1888-71-7	1,600	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,400	4	19	1
10726	Isodrin	465-73-6	1,500	19	38	1
10726	Isophorone	78-59-1	1,700	19	38	1
10726	Isosafrole	120-58-1	1,900	76	190	1
10726	Methapyrilene	91-80-5	6,600	E 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	1,400	38	190	1
10726	3-Methylcholanthrene	56-49-5	2,000	19	38	1
10726	2-Methylnaphthalene	91-57-6	1,600	4	19	1
10726	2-Methylphenol	95-48-7	1,700	19	38	1
10726	4-Methylphenol	106-44-5	1,600	19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	1,700	4	19	1
10726	1,4-Naphthoquinone	130-15-4	1,200	J 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	2,500	190	570	1
10726	2-Naphthylamine	91-59-8	1,600	190	570	1
10726	2-Nitroaniline	88-74-4	1,900	19	38	1
10726	3-Nitroaniline	99-09-2	1,700	76	190	1
10726	4-Nitroaniline	100-01-6	1,700	76	190	1
10726	Nitrobenzene	98-95-3	1,900	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	1,300	190	570	1
10726	2-Nitrophenol	88-75-5	1,800	19	38	1
10726	4-Nitrophenol	100-02-7	1,800	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	10,000	E 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	1,600	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	1,500	76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	1,400	76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,700	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	1,800	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686544
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35
Reported: 12/03/2014 13:44

SDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	1,400	76	190	1
10726	N-Nitrosomorpholine	59-89-2	1,600	76	190	1
10726	N-Nitrosopiperidine	100-75-4	1,700	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	1,600	19	38	1
10726	Di-n-octylphthalate	117-84-0	2,000	76	190	1
10726	Pentachlorobenzene	608-93-5	1,900	19	38	1
10726	Pentachloronitrobenzene	82-68-8	2,300	76	190	1
10726	Pentachlorophenol	87-86-5	1,500	38	190	1
10726	Phenacetin	62-44-2	2,000	76	190	1
10726	Phenanthrene	85-01-8	3,300	4	19	1
10726	Phenol	108-95-2	1,600	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	1,500	110	380	1
10726	Pronamide	23950-58-5	2,100	38	190	1
10726	Pyrene	129-00-0	3,400	4	19	1
10726	Pyridine	110-86-1	1,300	76	190	1
10726	Safrole	94-59-7	1,500	76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,900	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,900	76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,900	76	190	1
10726	Thionazin	297-97-2	1,800	76	190	1
10726	o-Toluidine	95-53-4	910	230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	1,900	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	1,600	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	1,700	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,800	76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,300	190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	160	5.7	11	1
12925	Ethylene glycol	107-21-1	190	5.7	11	1
12925	Propylene glycol	57-55-6	190	5.7	11	1
12925	Triethylene glycol	112-27-6	130	5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ISM 2014

LL Sample # SW 7686544
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

SDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 11:24	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 22:21	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143290032A	12/01/2014 18:40	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ITRC
ISM 2014

LL Sample # SW 7686545
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	29	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	78.5	0.0368	1.12	1
06947	Beryllium	7440-41-7	0.836 J	0.0748	1.12	1
06949	Cadmium	7440-43-9	0.297 J	0.0368	1.12	1
06951	Chromium	7440-47-3	8.50	0.123	3.35	1
06952	Cobalt	7440-48-4	3.56	0.107	1.12	1
06953	Copper	7440-50-8	8.81	0.368	2.23	1
06961	Nickel	7440-02-0	29.3	0.167	2.23	1
06966	Silver	7440-22-4	40.1	0.212	1.12	1
06969	Tin	7440-31-5	2.61 J	0.480	22.3	1
06971	Vanadium	7440-62-2	22.2	0.102	1.12	1
06972	Zinc	7440-66-6	239	1.45	22.3	5
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.281 J	0.0942	0.446	2
06125	Arsenic	7440-38-2	1.80	0.0953	0.893	2
06135	Lead	7439-92-1	15.1	0.0143	0.446	2
06141	Selenium	7782-49-2	0.223 J	0.112	0.893	2
06145	Thallium	7440-28-0	0.314	0.0335	0.223	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0261 J	0.0114	0.229	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Soil
ITRC
ISM 2014

LL Sample # SW 7686545
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 00:41	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 17:52	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	12/02/2014 22:22	Elaine F Stoltzfus	5
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:17	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:17	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:17	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:13	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:17	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 09:47	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ITRC
ISM 2014

LL Sample # SW 7686546
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	180	4.1	19	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	30	3.8	19	1
10885	PCB-1260	11096-82-5	200	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	307	0.0376	1.14	1
06947	Beryllium	7440-41-7	6.78	0.0762	1.14	1
06949	Cadmium	7440-43-9	5.71	0.0376	1.14	1
06951	Chromium	7440-47-3	29.6	0.125	3.41	1
06952	Cobalt	7440-48-4	58.8	0.109	1.14	1
06953	Copper	7440-50-8	37.9	0.376	2.28	1
06961	Nickel	7440-02-0	68.9	0.171	2.28	1
06966	Silver	7440-22-4	74.0	0.216	1.14	1
06969	Tin	7440-31-5	416	0.489	22.8	1
06971	Vanadium	7440-62-2	79.8	0.104	1.14	1
06972	Zinc	7440-66-6	162	0.296	4.55	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.840	0.0961	0.455	2
06125	Arsenic	7440-38-2	3.58	0.0972	0.910	2
06135	Lead	7439-92-1	15.1	0.0146	0.455	2
06141	Selenium	7782-49-2	2.65	0.114	0.910	2
06145	Thallium	7440-28-0	0.766	0.0341	0.228	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.140 J	0.0111	0.222	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MS Soil
ITRC
ISM 2014

LL Sample # SW 7686546
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 00:53	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	11/26/2014 18:06	Katlin N Cataldi	1
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:24	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:24	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:24	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:20	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:24	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 09:53	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ITRC
ISM 2014

LL Sample # SW 7686547
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	190	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	40	3.7	19	1
10885	PCB-1260	11096-82-5	210	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	304	0.0376	1.14	1
06947	Beryllium	7440-41-7	6.69	0.0762	1.14	1
06949	Cadmium	7440-43-9	5.46	0.0376	1.14	1
06951	Chromium	7440-47-3	61.7	0.125	3.41	1
06952	Cobalt	7440-48-4	56.3	0.109	1.14	1
06953	Copper	7440-50-8	36.0	0.376	2.28	1
06961	Nickel	7440-02-0	77.6	0.171	2.28	1
06966	Silver	7440-22-4	131	0.216	1.14	1
06969	Tin	7440-31-5	396	0.489	22.8	1
06971	Vanadium	7440-62-2	75.0	0.104	1.14	1
06972	Zinc	7440-66-6	156	0.296	4.55	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.963	0.0961	0.455	2
06125	Arsenic	7440-38-2	3.81	0.0972	0.910	2
06135	Lead	7439-92-1	15.6	0.0146	0.455	2
06141	Selenium	7782-49-2	2.57	0.114	0.910	2
06145	Thallium	7440-28-0	0.770	0.0341	0.228	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.148 J	0.0112	0.224	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A MSD Soil
ITRC
ISM 2014

LL Sample # SW 7686547
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143350029A	12/03/2014 01:04	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143350029A	12/02/2014 07:30	Olivia Arosemena	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	11/26/2014 18:10	Katlin N Cataldi	1
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:26	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:26	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:26	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014 14:22	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:26	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 09:55	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014 19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Dupl Soil
ITRC
ISM 2014

LL Sample # SW 7686548
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

MDU4A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	103	0.0372	1.13	1
06947	Beryllium	7440-41-7	0.944 J	0.0755	1.13	1
06949	Cadmium	7440-43-9	0.257 J	0.0372	1.13	1
06951	Chromium	7440-47-3	6.96	0.124	3.38	1
06952	Cobalt	7440-48-4	3.38	0.108	1.13	1
06953	Copper	7440-50-8	8.80	0.372	2.25	1
06961	Nickel	7440-02-0	14.3	0.169	2.25	1
06966	Silver	7440-22-4	69.2	0.214	1.13	1
06969	Tin	7440-31-5	2.22 J	0.485	22.5	1
06971	Vanadium	7440-62-2	21.4	0.103	1.13	1
06972	Zinc	7440-66-6	109	0.293	4.51	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.233 J	0.0951	0.451	2
06125	Arsenic	7440-38-2	1.85	0.0962	0.902	2
06135	Lead	7439-92-1	14.2	0.0145	0.451	2
06141	Selenium	7782-49-2	0.132 J	0.113	0.902	2
06145	Thallium	7440-28-0	0.318	0.0338	0.225	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0182 J	0.0110	0.220	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	11/26/2014 18:01	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4A Dupl Soil
ITRC
ISM 2014

LL Sample # SW 7686548
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/21/2014 09:35 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/22/2014 00:35

URS Corporation

Reported: 12/03/2014 13:44

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MDU4A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014	09:21	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014	09:21	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014	09:21	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	12/02/2014	14:18	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014	09:21	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014	09:51	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014	07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014	09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14336820002B	12/02/2014	19:55	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814 Other Liquid
ISM 2014

LL Sample # G5 7686549
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 13:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

D4ATB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814 Other Liquid
ISM 2014

LL Sample # G5 7686549
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 13:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

D4ATB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 12:19	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201432836261	11/18/2014 13:45	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112014 Other Liquid
ISM 2014

LL Sample # G5 7686550
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

D4ATR

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-112014 Other Liquid
ISM 2014

LL Sample # G5 7686550
LL Group # 1520708
Account # 06643

Project Name: BRE - ISM

Collected: 11/20/2014 10:50 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 00:35

Reported: 12/03/2014 13:44

D4ATR

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 12:42	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201432836261	11/20/2014 10:50	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143341AA	Sample number(s): 7686530,7686533,7686536,7686539-7686541,7686549-7686550								
Acetone	350	350.	1,000	ug/kg	98	86	53-141	14	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	83	90	61-147	8	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	79	65	58-122	19	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	96	84	58-123	13	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	111	96	61-132	14	30
Benzene	25	U 25.	250	ug/kg	106	95	80-120	11	30
Bromodichloromethane	50	U 50.	250	ug/kg	104	91	75-120	13	30
Bromoform	50	U 50.	250	ug/kg	91	84	70-126	8	30
Bromomethane	100	100.	250	ug/kg	137	117	32-162	15	30
	U								
2-Butanone	200	200.	500	ug/kg	95	85	62-123	12	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	88	79	63-128	11	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	112	99	69-130	12	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	107	94	73-120	13	30
Chlorobenzene	50	U 50.	250	ug/kg	99	89	80-120	11	30
Chloroethane	100	100.	250	ug/kg	110	93	17-171	17	30
	U								
Chloroform	50	U 50.	250	ug/kg	114	102	80-125	12	30
Chloromethane	100	100.	250	ug/kg	96	85	56-120	13	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	80	75	59-122	7	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	96	84	77-120	13	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	103	91	80-120	13	30
Dibromomethane	50	U 50.	250	ug/kg	108	97	80-120	11	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	119	104	70-128	13	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	71	67	26-137	5	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	108	95	80-122	12	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	124	109	77-130	12	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	107	94	73-129	12	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	109	98	80-120	10	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	109	96	80-129	13	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	105	92	80-120	13	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	106	93	74-120	13	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	104	90	76-120	15	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	91	82	65-120	11	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50	U	50.	250	ug/kg	97	87	80-120	12	30
2-Hexanone	150		150.	500	ug/kg	97	86	51-120	12	30
	U									
Isobutyl Alcohol	5,000		5,000.	13,000	ug/kg	101	91	64-121	10	30
	U									
Methacrylonitrile	250		250.	2,500	ug/kg	103	92	73-127	11	30
	U									
Methyl Iodide	150		150.	250	ug/kg	108	96	72-130	11	30
	U									
Methyl Methacrylate	50	U	50.	250	ug/kg	96	87	60-120	10	30
4-Methyl-2-pentanone	150		150.	500	ug/kg	96	85	57-123	12	30
	U									
Methylene Chloride	100		100.	250	ug/kg	111	97	80-124	13	30
	U									
Pentachloroethane	50	U	50.	250	ug/kg	96	84	71-120	13	30
Propionitrile	1,500		1,500.	5,000	ug/kg	98	91	63-131	7	30
	U									
Styrene	50	U	50.	250	ug/kg	96	84	76-120	13	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	98	89	80-120	10	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	93	83	71-123	11	30
Tetrachloroethene	50	U	50.	250	ug/kg	102	89	78-120	14	30
Toluene	50	U	50.	250	ug/kg	98	87	80-120	12	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	116	101	63-135	14	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	100	87	80-120	14	30
Trichloroethene	50	U	50.	250	ug/kg	112	98	80-125	13	30
Trichlorofluoromethane	100		100.	250	ug/kg	110	98	58-133	12	30
	U									
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	95	71-123	14	30
Vinyl Acetate	100		100.	500	ug/kg	80	85	40-127	6	30
	U									
Vinyl Chloride	50	U	50.	250	ug/kg	97	87	59-120	12	30
Xylene (Total)	50	U	50.	250	ug/kg	96	86	80-120	11	30
Batch number: 14330SLB026	Sample number(s): 7686531,7686534,7686537,7686542-7686544									
Acenaphthene	3	U	3.	17	ug/kg	92		83-111		
Acenaphthylene	3	U	3.	17	ug/kg	111		83-127		
Acetophenone	17	U	17.	33	ug/kg	89		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	109		78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	59		14-89		
	U									
Aniline	170		170.	500	ug/kg	81		43-110		
	U									
Anthracene	3	U	3.	17	ug/kg	99		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	110		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	93		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	100		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	94		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170		170.	500	ug/kg	94		75-132		
	U									
1,1'-Biphenyl	17	U	17.	33	ug/kg	95		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	102		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	101		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	102		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	102		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	67		10-105		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chlorobenzilate	33	U	33.	170	ug/kg	116	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	92	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	92	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	97	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	115	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	102	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	102	83-115		
Chrysene	3	U	3.	17	ug/kg	106	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	96	76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	96	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	97	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	93	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	89	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	89	79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	106	10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	99	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	97	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	103	81-118		
Dimethoate	170	U	170.	500	ug/kg	57	18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	115	81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	154*	17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	96	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	105	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	95	82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	110	67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	101	86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	91	42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	107	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	105	83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	56	33-86		
Diphenyl ether	17	U	17.	33	ug/kg	94	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	92	77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	106	81-121		
Fluoranthene	3	U	3.	17	ug/kg	101	75-118		
Fluorene	3	U	3.	17	ug/kg	96	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	90	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	106	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	131	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	100	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	102	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	94	76-122		
Isodrin	17	U	17.	33	ug/kg	98	85-128		
Isophorone	17	U	17.	33	ug/kg	102	83-119		
Isosafrole	67	U	67.	170	ug/kg	124*	86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	104	70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	96	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	103	85-126		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Methylnaphthalene	3	U	3.	17	ug/kg	89		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	96		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	89		75-119		
Naphthalene	3	U	3.	17	ug/kg	92		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	91		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	89		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	67		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	89		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	100		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	93		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	93		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	95		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	94		83-120		
4-Nitrophenol	170		170.	500	ug/kg	114		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	125		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	100		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	91		64-128		
N-Nitrosodimethylamine	17	U	17.	33	ug/kg	85		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	83		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	93		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	74		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	94		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	94		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	97		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	106		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	106		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	110		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	80		46-133		
Phenacetin	67	U	67.	170	ug/kg	109		76-119		
Phenanthrene	3	U	3.	17	ug/kg	95		80-114		
Phenol	17	U	17.	33	ug/kg	93		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	85		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	102		72-119		
Pyrene	3	U	3.	17	ug/kg	91		81-114		
Pyridine	67	U	67.	170	ug/kg	86		51-109		
Safrole	67	U	67.	170	ug/kg	98		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	103		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	115		77-129		
Tetraethylthiopyrophosphate	67	U	67.	170	ug/kg	105		77-123		
Thionazin	67	U	67.	170	ug/kg	102		76-123		
o-Toluidine	200		200.	670	ug/kg	80		12-110		
	U									
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	94		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	99		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	102		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	96		82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	101		67-111		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS D %REC</u>	<u>LCS/LCS D Limits</u>	<u>RPD</u>	<u>RPD Max</u>
U									
Batch number: 143350029A	Sample number(s): 7686532,7686535,7686538,7686545-7686547								
PCB-1016	3.6 U	3.6	17	ug/kg	107		76-121		
PCB-1221	4.6 U	4.6	17	ug/kg					
PCB-1232	8.0 U	8.0	17	ug/kg					
PCB-1242	3.3 U	3.3	17	ug/kg					
PCB-1248	3.3 U	3.3	17	ug/kg					
PCB-1254	3.3 U	3.3	17	ug/kg					
PCB-1260	4.9 U	4.9	17	ug/kg	110		79-132		
Batch number: 143290032A	Sample number(s): 7686531,7686534,7686537,7686542-7686544								
Diethylene glycol	5.0 U	5.0	10	mg/kg	95		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	98		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	98		34-145		
Batch number: 143280637001	Sample number(s): 7686532,7686535,7686538,7686545-7686548								
Barium	0.0330 U	0.0330	1.00	mg/kg	99		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	101		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	104		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	97		80-120		
Tin	1.38 J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	105		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	101		80-120		
Batch number: 143280637001A	Sample number(s): 7686532,7686535,7686538,7686545-7686548								
Antimony	0.0844 U	0.0844	0.400	mg/kg	101		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	101		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	98		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	92		80-120		
Batch number: 143280637001B	Sample number(s): 7686532,7686535,7686538,7686545-7686548								
Selenium	0.100 U	0.100	0.800	mg/kg	102		80-120		
Batch number: 143280638001	Sample number(s): 7686532,7686535,7686538,7686545-7686548								
Mercury	0.0100 U	0.0100	0.200	mg/kg	89		80-120		
Batch number: 14336820002B	Sample number(s): 7686530-7686548								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: Q143341AA	Sample number(s): 7686530,7686533,7686536,7686539-7686541,7686549-7686550 UNSPK: 7686539								
Acetone	96	84	31-195	13	30				
Acetonitrile	84	101	41-166	19	30				
Acrolein	82	76	10-165	7	30				
Acrylonitrile	93	87	48-139	8	30				
Allyl Chloride	120	111	55-154	8	30				
Benzene	114	102	55-143	11	30				
Bromodichloromethane	110	101	53-136	9	30				
Bromoform	93	87	50-144	7	30				
Bromomethane	176*	152	42-168	15	30				
2-Butanone	96	88	37-163	8	30				
Carbon Disulfide	78	72	48-146	8	30				
Carbon Tetrachloride	128	121	51-165	6	30				
2-Chloro-1,3-butadiene	119	108	51-152	10	30				
Chlorobenzene	108	98	49-135	9	30				
Chloroethane	139	120	39-152	14	30				
Chloroform	124	114	61-142	8	30				
Chloromethane	112	100	36-143	11	30				
1,2-Dibromo-3-chloropropane	86	78	34-165	10	30				
Dibromochloromethane	99	92	51-128	8	30				
1,2-Dibromoethane	104	94	54-129	10	30				
Dibromomethane	114	105	57-130	8	30				
trans-1,4-Dichloro-2-butene	116	107	31-144	8	30				
Dichlorodifluoromethane	133	118	26-151	12	30				
1,1-Dichloroethane	119	106	63-142	12	30				
1,2-Dichloroethane	133	122	54-143	9	30				
1,1-Dichloroethene	120	110	61-149	9	30				
cis-1,2-Dichloroethene	117	105	67-135	11	30				
trans-1,2-Dichloroethene	119	108	64-144	9	30				
1,2-Dichloropropane	110	102	54-144	7	30				
cis-1,3-Dichloropropene	109	101	45-137	7	30				
trans-1,3-Dichloropropene	105	98	51-134	7	30				
Ethyl Methacrylate	96	88	35-134	9	30				
Ethylbenzene	108	99	44-141	8	30				
2-Hexanone	95	90	32-160	6	30				
Isobutyl Alcohol	99	99	44-158	0	30				
Methacrylonitrile	106	96	54-142	10	30				
Methyl Iodide	110	97	52-139	13	30				
Methyl Methacrylate	101	97	42-134	5	30				
4-Methyl-2-pentanone	98	91	46-139	7	30				
Methylene Chloride	115	104	60-149	10	30				
Pentachloroethane	101	95	35-145	6	30				
Propionitrile	96	91	40-151	5	30				
Styrene	106	96	35-134	9	30				
1,1,1,2-Tetrachloroethane	105	96	55-139	9	30				
1,1,2,2-Tetrachloroethane	97	87	29-182	10	30				
Tetrachloroethene	112	103	42-149	9	30				
Toluene	106	98	50-146	7	30				
1,1,1-Trichloroethane	127	115	52-146	10	30				
1,1,2-Trichloroethane	102	95	58-152	7	30				
Trichloroethene	122	111	53-144	9	30				
Trichlorofluoromethane	149	131	47-163	10	30				
1,2,3-Trichloropropane	106	100	36-180	6	30				
Vinyl Acetate	83	90	21-139	7	30				
Vinyl Chloride	117	108	50-154	7	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Xylene (Total)	105	96	44-136	9	30			
Batch number: 14330SLB026	Sample number(s): 7686531, 7686534, 7686537, 7686542-7686544 UNSPK: 7686542							
Acenaphthene	86	94	55-132	8	30			
Acenaphthylene	101	109	53-143	7	30			
Acetophenone	88	177*	67-111	66*	30			
2-Acetylaminofluorene	119	121	48-138	1	30			
4-Aminobiphenyl	64	68	10-80	6	30			
Aniline	48	48	23-96	0	30			
Anthracene	106	91	42-147	13	30			
Benzo(a)anthracene	100	149	32-150	30	30			
Benzo(a)pyrene	103	102	36-151	1	30			
Benzo(b)fluoranthene	102	95	29-150	5	30			
Benzo(g,h,i)perylene	100	108	41-147	6	30			
Benzo(k)fluoranthene	103	79	35-146	22	30			
Benzyl alcohol	89	99	69-131	10	30			
1,1'-Biphenyl	90	93	57-123	2	30			
4-Bromophenyl-phenylether	97	106	58-142	9	30			
Butylbenzylphthalate	106	114	50-137	7	30			
Di-n-butylphthalate	108	105	57-130	3	30			
4-Chloro-3-methylphenol	96	87	39-150	10	30			
4-Chloroaniline	53	49	10-100	9	30			
Chlorobenzilate	121	128	79-128	5	30			
bis(2-Chloroethoxy)methane	106	82	54-128	26	30			
bis(2-Chloroethyl)ether	90	94	69-114	4	30			
bis(2-Chloroisopropyl)ether	93	96	62-120	3	30			
2-Chloronaphthalene	109	111	40-156	1	30			
2-Chlorophenol	95	101	35-152	6	30			
4-Chlorophenyl-phenylether	96	99	56-130	3	30			
Chrysene	101	131	28-146	19	30			
Diallate TRANS/CIS	101	102	45-145	1	30			
Dibenz(a,h)anthracene	102	108	54-142	5	30			
Dibenzofuran	92	100	46-137	8	30			
1,2-Dichlorobenzene	91	95	45-133	4	30			
1,3-Dichlorobenzene	92	97	45-129	6	30			
1,4-Dichlorobenzene	89	97	44-132	8	30			
3,3'-Dichlorobenzidine	97	92	10-143	6	30			
2,4-Dichlorophenol	91	100	39-153	9	30			
2,6-Dichlorophenol	86	79	56-133	8	30			
Diethylphthalate	100	96	54-127	5	30			
Dimethoate	77	77	39-178	1	30			
p-Dimethylaminoazobenzene	121	132*	77-123	8	30			
3,3'-Dimethylbenzidine	104*	108*	10-103	3	30			
7,12-Dimethylbenz[a]anthracene	94	74	44-139	25	30			
2,4-Dimethylphenol	93	95	38-140	3	30			
Dimethylphthalate	95	97	45-135	2	30			
4,6-Dinitro-2-methylphenol	111	87	10-148	25	30			
1,3-Dinitrobenzene	91	93	73-116	1	30			
2,4-Dinitrophenol	87	79	20-143	10	30			
2,4-Dinitrotoluene	101	99	39-144	2	30			
2,6-Dinitrotoluene	98	98	54-134	1	30			
1,4-Dioxane	52	49	10-98	7	30			

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Diphenyl ether	90	97	54-125	7	30				
Ethyl methanesulfonate	80	85	44-120	6	30				
bis(2-Ethylhexyl)phthalate	587*	127	52-138	129*	30				
Fluoranthene	93	101	41-135	4	30				
Fluorene	92	101	55-128	9	30				
Hexachlorobenzene	97	93	46-132	5	30				
Hexachlorobutadiene	108	99	65-125	9	30				
Hexachlorocyclopentadiene	54	35	10-153	43*	30				
Hexachloroethane	101	109	24-138	7	30				
Hexachloropropene	96	86	39-124	11	30				
Indeno(1,2,3-cd)pyrene	96	104	44-147	7	30				
Isodrin	101	76	10-143	28	30				
Isophorone	95	89	68-119	7	30				
Isosafrole	104	100	69-135	4	30				
Methapyrilene	101	86	70-130	17	30				
Methyl methanesulfonate	78	75	10-134	4	30				
3-Methylcholanthrene	110	107	65-123	3	30				
2-Methylnaphthalene	88	82	39-140	7	30				
2-Methylphenol	86	92	36-149	6	30				
4-Methylphenol	77	85	29-143	9	30				
Naphthalene	94	85	44-142	9	30				
1,4-Naphthoquinone	66*	65*	70-130	1	30				
1-Naphthylamine	61	65	10-92	6	30				
2-Naphthylamine	39	42	10-71	6	30				
5-Nitro-o-toluidine	56	66	33-107	16	30				
2-Nitroaniline	98	97	64-131	1	30				
3-Nitroaniline	86	91	31-145	5	30				
4-Nitroaniline	83	88	30-131	6	30				
Nitrobenzene	95	100	41-141	5	30				
2-Nitrophenol	93	92	45-146	1	30				
4-Nitrophenol	110	94	25-142	16	30				
4-Nitroquinoline-1-oxide	85	53	10-160	47*	30				
N-Nitroso-di-n-propylamine	86	90	58-126	4	30				
N-Nitrosodi-n-butylamine	81	75	38-136	8	30				
N-Nitrosodiethylamine	84	83	56-112	2	30				
N-Nitrosodimethylamine	81	77	61-110	5	30				
N-Nitrosodiphenylamine	98	93	59-135	6	30				
N-Nitrosomethylethylamine	72	75	54-118	3	30				
N-Nitrosomorpholine	84	86	72-121	2	30				
N-Nitrosopiperidine	85	91	48-131	6	30				
N-Nitrosopyrrolidine	79	82	59-131	4	30				
Di-n-octylphthalate	117	107	54-151	9	30				
Pentachlorobenzene	103	99	69-119	4	30				
Pentachloronitrobenzene	118*	118*	78-116	0	30				
Pentachlorophenol	92	80	23-145	14	30				
Phenacetin	117	104	69-121	13	30				
Phenanthrene	92	128	42-141	22	30				
Phenol	79	86	61-130	9	30				
2-Picoline	72	77	55-104	7	30				
Pronamide	107	108	69-130	1	30				
Pyrene	88	124	37-140	22	30				
Pyridine	73	68	16-108	7	30				

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Quality Control Summary

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Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Safrole	89	80	76-114	11	30				
1,2,4,5-Tetrachlorobenzene	105	99	71-120	7	30				
2,3,4,6-Tetrachlorophenol	107	100	62-132	8	30				
Tetraethylthiopyrophosphate	104	99	76-126	5	30				
Thionazin	94	95	65-123	1	30				
o-Toluidine	38	48	21-84	21	30				
1,2,4-Trichlorobenzene	94	98	50-139	4	30				
2,4,5-Trichlorophenol	99	85	64-131	15	30				
2,4,6-Trichlorophenol	93	91	60-136	3	30				
O,O,O-Triethylphosphorothioate	83	93	70-119	10	30				
1,3,5-Trinitrobenzene	69	66	10-113	5	30				
Batch number: 143350029A	Sample number(s): 7686532,7686535,7686538,7686545-7686547 UNSPK: 7686545								
PCB-1016	94	99	41-135	4	50				
PCB-1260	105	110	38-148	4	50				
Batch number: 143290032A	Sample number(s): 7686531,7686534,7686537,7686542-7686544 UNSPK: 7686542								
Diethylene glycol	63	65	48-124	4	20				
Ethylene glycol	80	78	68-115	2	20				
Propylene glycol	82	80	71-115	2	20				
Triethylene glycol	49	54	23-139	10	20				
Batch number: 143280637001	Sample number(s): 7686532,7686535,7686538,7686545-7686548 UNSPK: 7686545 BKG: 7686545								
Barium	100	99	75-125	1	20	68.3	90.0	27*	20
Beryllium	104	103	75-125	1	20	0.727 J	0.822 J	12 (1)	20
Cadmium	95	91	75-125	4	20	0.258 J	0.224 J	14 (1)	20
Chromium	93	234*	75-125	70*	20	7.40	6.06	20 (1)	20
Cobalt	97	93	75-125	4	20	3.10	2.94	5 (1)	20
Copper	102	95	75-125	5	20	7.67	7.66	0 (1)	20
Nickel	70*	85	75-125	12	20	25.5	12.5	68*	20
Silver	597 (2)	1605 (2)	75-125	56*	20	34.9	60.2	53*	20
Tin	91	86	75-125	5	20	2.27 J	1.93 J	16 (1)	20
Vanadium	101	93	75-125	6	20	19.3	18.6	3	20
Zinc	-135 (2)	-145 (2)	75-125	4	20	208	95.0	74*	20
Batch number: 143280637001A	Sample number(s): 7686532,7686535,7686538,7686545-7686548 UNSPK: 7686545 BKG: 7686545								
Antimony	41*	50*	75-125	14	20	0.245 J	0.203 J	19 (1)	20
Arsenic	78	89	75-125	6	20	1.57	1.61	3 (1)	20
Lead	2 (2)	16 (2)	75-125	3	20	13.1	12.4	6	20
Thallium	99	100	75-125	0	20	0.273	0.276	1 (1)	20
Batch number: 143280637001B	Sample number(s): 7686532,7686535,7686538,7686545-7686548 UNSPK: 7686545 BKG: 7686545								
Selenium	106	103	75-125	3	20	0.194 J	0.115 J	51* (1)	20
Batch number: 143280638001	Sample number(s): 7686532,7686535,7686538,7686545-7686548 UNSPK: 7686545 BKG: 7686545								
Mercury	61*	65*	75-125	6	20	0.0227 J	0.0159 J	36* (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 14336820002B	Sample number(s): 7686530-7686548 BKG: 7686539							
Moisture					13.0	12.2	6*	5
Moisture					13.0	12.2	6*	5
Moisture Duplicate					13.0	12.2	6*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: Q143341AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7686530	79	79	76	72
7686533	85	86	80	79
7686536	79	79	75	71
7686539	82	83	79	79
7686540	97	95	89	91
7686541	86	82	81	83
7686549	83	73	77	71
7686550	99	99	93	87
Blank	97	99	94	88
LCS	106	104	101	97
LCSD	92	90	85	84
MS	97	95	89	91
MSD	86	82	81	83
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14330SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7686531	87	87	96	98	102	107
7686534	91	97	112	94	90	105
7686537	87	95	106	95	93	99
7686542	89	93	108	97	90	107
7686543	78	90	107	88	88	109
7686544	85	87	99	88	84	115
Blank	83	91	109	84	93	100
LCS	91	96	110	92	91	103
MS	78	90	107	88	88	109
MSD	85	87	99	88	84	115
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143350029A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7686532	101	79

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:44 PM

Group Number: 1520708

Surrogate Quality Control

7686535	111	76
7686538	87	60
7686545	104	77
7686546	97	72
7686547	104	79
Blank	119	91
LCS	113	94
MS	97	72
MSD	104	79
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143290032A

Tetramethylene glycol

7686531	78
7686534	76
7686537	80
7686542	79
7686543	78
7686544	74
Blank	96
LCS	93
MS	78
MSD	74
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1530708 Sample Nos.: 7686530-50 24231 **30616**
 Acc't: 06643 SF: 218983 SCR No.: 163459 Cooler No.: 3
 Cooler Temperature upon receipt: 0.3 °C Container No.: 3

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required											Comments: <div style="text-align: center;">ISM</div> Condition upon receipt: <u>Intact</u>			
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379				APPIX SVs+site specific cmpds (8270D) APPIX Metals (6010/6020/7471B) Moisture (2540 G) PCBs (8082A) Glycols (8015C)														
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road				Release No.:																		
Cedar Mountain NC 28718				PO Number: LBIO-67047																		
Sampler(s): <u>HL + ME</u>																						
Project Name: ISM 2014																						
Sample Identification		Date Collected	Time Collected	Matrix	Containers																	
					Volume (ml)	Preserv	No.															
SSP14-ISM-DU-3B		<u>11/19/14</u>	<u>1415</u>	<u>SW</u>	<u>1000</u>	<u>None</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>										
Turnaround Time Requested (please circle) : <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions:														
Bottles Relinquished by: <u>Bottle Storage</u>		Date		Time		Bottles Received by: <u>Hannah Liponi</u>				Date: <u>11/27/14</u>		Time: <u>1200</u>										
Bottles Relinquished by: <u>Hannah Liponi</u>		Date: <u>11/21/14</u>		Time: <u>1400</u>		Bottles Received by:				Date:		Time:										
Bottles Relinquished by:		Date		Time		Bottles Received by:				Date:		Time:										
Bottles Relinquished by:		Date		Time		Bottles Received by: <u>[Signature]</u>				Date: <u>11/27/14</u>		Time: <u>0035</u>										



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1520708 Sample Nos.: 76810530-50
 Acc't: 06643 SF: 218983 SCR No.: 163459 Cooler No.: 24231 **30617**
 Cooler Temperature upon receipt: 0.3 °C Container No.: 3

Facility Name: Brevard				Project Manager: Tracy Obvey			Analyses Required												Comments:													
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379																												
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681																												
1300 Staton Road				Release No.:																												
Cedar Mountain NC 28718				PO Number: LBIO-67047																												
Sampler(s): <u>ME + 4L</u>				Project Name: ISM 2014																												
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)											ISM										
				Volume (ml)	Preserv	No.																Condition upon receipt: <u>1702</u>										
SSP14-ISM-DU-3C	<u>11/20/14</u>	<u>1000</u>	SW	1000	None	2	X	X	X	X	X																					

Turnaround Time Requested (please circle): Standard RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>Bottle Storage</u>	Date:	Time:	Bottles Received by: <u>Hannah Lipni</u>	Date:	Time:		
Bottles Relinquished by: <u>Hannah Lipni</u>	<u>11/21/14</u>	<u>1400</u>	Bottles Received by:				
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>[Signature]</u>	<u>11/22/14</u>	<u>0035</u>		



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Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1520708 Sample Nos.: 768653050

Acc't: 06643 SF: 218983 SCR No.: 163748 Cooler No.: C27107 **30618**

Cooler Temperature upon receipt: 0.8 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required								Comments:																																																																																																													
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		<table border="1"> <tr><td>APPX SV+site specific cmpds (8270D)</td><td>APPX Metals (6010/6020/7471B)</td><td>Moisture (2540 G)</td><td>PCBs (8082A)</td><td>Glycols (8015C)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>								APPX SV+site specific cmpds (8270D)	APPX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)																																																																																																									ISM
APPX SV+site specific cmpds (8270D)	APPX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)									Glycols (8015C)																																																																																																													
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681		Condition upon receipt: <u>intact</u>																																																																																																																					
1300 Staton Road		Release No.:																																																																																																																							
Cedar Mountain NC 28718		PO Number: LBIO-67047																																																																																																																							
Sampler(s): <u>MS + HL</u>																																																																																																																									
Project Name: ISM 2014																																																																																																																									
Sample Identification				Containers																																																																																																																					
Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPX SV+site specific cmpds (8270D)	APPX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)																																																																																																															
<u>11/21/14</u>	<u>0935</u>	<u>SW</u>	<u>1000</u>	<u>None</u>	<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																																																																																																															
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																																																																																																																					
Bottles Relinquished by: <u>Bottle Storage</u>	Date	Time	Bottles Received by: <u>Hannah Kepner</u>	Date:	Time:																																																																																																																				
Bottles Relinquished by: <u>Hannah Kepner</u>	<u>11/21/14</u>	<u>1400</u>	Bottles Received by: <u>[Signature]</u>	<u>11/17/14</u>	<u>1200</u>																																																																																																																				
Bottles Relinquished by: <u>[Signature]</u>	Date	Time	Bottles Received by: <u>[Signature]</u>	Date:	Time:																																																																																																																				
Bottles Relinquished by: <u>[Signature]</u>	Date	Time	Bottles Received by: <u>[Signature]</u>	<u>11/21/14</u>	<u>0935</u>																																																																																																																				



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1520708 Sample Nos.: 70810530-50
 Acc't: 06643 SF: 218983 SCR No.: 163749 Cooler No.: 20585 **30573**
 Cooler Temperature upon receipt: 3.3 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey				Analyses Required												Comments:	
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>ME + HL</u>																			
Project Name: ISM 2014						APPIX Volatiles (8260)												ISM	
																		Condition upon receipt: <u>Intact</u>	
Sample Identification			Date Collected	Time Collected	Matrix	Containers													
						Volume (ml)	Preserv	No.											
TB-11	<u>18</u>	<u>14</u>	<u>11/18/14</u>	<u>1345</u>	<u>WW</u>	<u>40</u>	<u>MeOH</u>	<u>1</u>	<u>X</u>										
Turnaround Time Requested (please circle) : <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:									
Bottles Relinquished by: <u>Hannah Ripani</u>			Date	Time	Bottles Received by:			Date:	Time:										
			<u>11/21/14</u>	<u>1400</u>															
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:										
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:										
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:										
								<u>11/22/14</u>	<u>0035</u>										



Analysis Request / Environmental Services Chain of Custody

Lancaster
Laboratories

For Lancaster Laboratories Use Only

Group No.: 1520708 Sample Nos.: 7686530-50 78752

Acc't: 06643 SF: 218983 SCR No.: 163750

Cooler No.: 18752

30625

Cooler Temperature upon receipt: 0.8 °C

Container No.: 2

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required										Comments: <p style="text-align: center;">ISM</p> Condition upon receipt: <u>Intact</u>			
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379				APPIX Volatiles (8260)													
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road				Release No.:																	
Cedar Mountain NC 28718				PO Number: LBIO-67047																	
Sampler(s): <u>ME + HL</u>								Project Name: ISM 2014													
Sample Identification	Date Collected	Time Collected	Matrix	Containers			X														
				Volume (ml)	Preserv	No.															
TB-11 20 14	<u>11/20/14</u>	<u>1050</u>	WW	40	MeOH	1	X														
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions:													
Bottles Relinquished by: <u>Hannah Liponi</u>	Date: <u>11/21/14</u>	Time: <u>1400</u>	Bottles Received by: <u>[Signature]</u>							Date:	Time:										
Bottles Relinquished by:	Date:	Time:	Bottles Received by:							Date:	Time:										
Bottles Relinquished by:	Date:	Time:	Bottles Received by:							Date:	Time:										
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>[Signature]</u>							Date: <u>11/22/14</u>	Time: <u>0035</u>										

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>11/22/2014 0:35</u>
Number of Packages:	<u>3</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wesley Miller (2308) at 08:49 on 11/22/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	3.3	DT	Wet	Y	Loose	N
2	DT121	0.8	DT	Wet	Y	Loose	N
3	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: Samples from COC#s 30570, 30571, 30572, and 30622 only received 1 bag of soil for moisture analysis, 1 jar for sample SSP14-ISM-DU-4A received empty (COC# 30618)

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<$ CRDL, but \geq IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 26, 2014

Project: BRE - ISM

Submittal Date: 11/12/2014

Group Number: 1518327

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-ISM-DU-1A Soil
SSP14-ISM-DU-1A Soil
SSP14-ISM-DU-1A Soil
SSP14-ISM-DU-1B Soil
SSP14-ISM-DU-1B Soil
SSP14-ISM-DU-1B Soil
SSP14-ISM-DU-1C Soil
SSP14-ISM-DU-1C Soil
SSP14-ISM-DU-1C Soil
TB-110514 Other Liquid

Lancaster Labs (LL) #

7673751
7673752
7673753
7673754
7673755
7673756
7673757
7673758
7673759
7673760

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673751
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1A1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	430	U 430	1,200	53.17
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,100	53.17
10237	Acrolein	107-02-8	1,200	U 1,200	6,100	53.17
10237	Acrylonitrile	107-13-1	240	U 240	1,200	53.17
10237	Allyl Chloride	107-05-1	61	U 61	310	53.17
10237	Benzene	71-43-2	31	U 31	310	53.17
10237	Bromodichloromethane	75-27-4	61	U 61	310	53.17
10237	Bromoform	75-25-2	61	U 61	310	53.17
10237	Bromomethane	74-83-9	120	U 120	310	53.17
10237	2-Butanone	78-93-3	240	U 240	610	53.17
10237	Carbon Disulfide	75-15-0	61	U 61	310	53.17
10237	Carbon Tetrachloride	56-23-5	61	U 61	310	53.17
10237	2-Chloro-1,3-butadiene	126-99-8	61	U 61	310	53.17
10237	Chlorobenzene	108-90-7	61	U 61	310	53.17
10237	Chloroethane	75-00-3	120	U 120	310	53.17
10237	Chloroform	67-66-3	61	U 61	310	53.17
10237	Chloromethane	74-87-3	120	U 120	310	53.17
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	310	53.17
10237	Dibromochloromethane	124-48-1	61	U 61	310	53.17
10237	1,2-Dibromoethane	106-93-4	61	U 61	310	53.17
10237	Dibromomethane	74-95-3	61	U 61	310	53.17
10237	trans-1,4-Dichloro-2-butene	110-57-6	610	U 610	3,100	53.17
10237	Dichlorodifluoromethane	75-71-8	120	U 120	310	53.17
10237	1,1-Dichloroethane	75-34-3	61	U 61	310	53.17
10237	1,2-Dichloroethane	107-06-2	61	U 61	310	53.17
10237	1,1-Dichloroethene	75-35-4	61	U 61	310	53.17
10237	cis-1,2-Dichloroethene	156-59-2	61	U 61	310	53.17
10237	trans-1,2-Dichloroethene	156-60-5	61	U 61	310	53.17
10237	1,2-Dichloropropane	78-87-5	61	U 61	310	53.17
10237	cis-1,3-Dichloropropene	10061-01-5	61	U 61	310	53.17
10237	trans-1,3-Dichloropropene	10061-02-6	61	U 61	310	53.17
10237	Ethyl Methacrylate	97-63-2	61	U 61	310	53.17
10237	Ethylbenzene	100-41-4	61	U 61	310	53.17
10237	2-Hexanone	591-78-6	180	U 180	610	53.17
10237	Isobutyl Alcohol	78-83-1	6,100	U 6,100	15,000	53.17
10237	Methacrylonitrile	126-98-7	310	U 310	3,100	53.17
10237	Methyl Iodide	74-88-4	180	U 180	310	53.17
10237	Methyl Methacrylate	80-62-6	61	U 61	310	53.17
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	610	53.17
10237	Methylene Chloride	75-09-2	120	U 120	310	53.17
10237	Pentachloroethane	76-01-7	61	U 61	310	53.17
10237	Propionitrile	107-12-0	1,800	U 1,800	6,100	53.17
10237	Styrene	100-42-5	61	U 61	310	53.17
10237	1,1,1,2-Tetrachloroethane	630-20-6	61	U 61	310	53.17
10237	1,1,1,2-Tetrachloroethane	79-34-5	61	U 61	310	53.17
10237	Tetrachloroethene	127-18-4	61	U 61	310	53.17
10237	Toluene	108-88-3	61	U 61	310	53.17
10237	1,1,1-Trichloroethane	71-55-6	61	U 61	310	53.17
10237	1,1,2-Trichloroethane	79-00-5	61	U 61	310	53.17
10237	Trichloroethene	79-01-6	61	U 61	310	53.17
10237	Trichlorofluoromethane	75-69-4	120	U 120	310	53.17

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673751
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1A1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	61	U 61	310	53.17
10237	Vinyl Acetate	108-05-4	120	U 120	610	53.17
10237	Vinyl Chloride	75-01-4	61	U 61	310	53.17
10237	Xylene (Total)	1330-20-7	61	U 61	310	53.17
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 11:27	Anita M Dale	53.17
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143091356501	11/05/2014 17:10	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143091356501	11/05/2014 17:10	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673752
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	6	J 4	20	1
10726	Acenaphthylene	208-96-8	8	J 4	20	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	9	J 4	20	1
10726	Benzo(a)anthracene	56-55-3	27	4	20	1
10726	Benzo(a)pyrene	50-32-8	21	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	37	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	27	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	14	J 4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	30	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	7	J 4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673752
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	46	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	19	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673752
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1A2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	28	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	44	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.7 U	5.7
12925	Ethylene glycol	107-21-1	5.7 U	5.7
12925	Propylene glycol	57-55-6	5.7 U	5.7
12925	Triethylene glycol	112-27-6	5.7 U	5.7

The holding time was not met. The client was notified and the data reported.

Wet Chemistry	SM 2540 G-1997	%	%	%
00118	Moisture	n.a.	12.9	0.50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ISM 2014

LL Sample # SW 7673752
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1A2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14319SLB026	11/19/2014 01:09	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14319SLB026	11/16/2014 06:45	Nicholas W Shroyer	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143250038A	11/21/2014 22:14	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	2	143250038A	11/21/2014 19:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ITRC
ISM 2014

LL Sample # SW 7673753
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/12/2014 17:30

URS Corporation

Reported: 11/26/2014 09:09

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU1A3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	19	1
10885	PCB-1232	11141-16-5	9.2 U	9.2	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	3.8 U	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	36.2	0.0368	1.11	1
06947	Beryllium	7440-41-7	1.01 J	0.0747	1.11	1
06949	Cadmium	7440-43-9	0.0368 U	0.0368	1.11	1
06951	Chromium	7440-47-3	5.17	0.123	3.34	1
06952	Cobalt	7440-48-4	1.90	0.107	1.11	1
06953	Copper	7440-50-8	4.74	0.368	2.23	1
06961	Nickel	7440-02-0	12.0	0.167	2.23	1
06966	Silver	7440-22-4	0.212 U	0.212	1.11	1
06969	Tin	7440-31-5	2.55 J	0.479	22.3	1
06971	Vanadium	7440-62-2	14.1	0.101	1.11	1
06972	Zinc	7440-66-6	25.9	0.290	4.46	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0941 U	0.0941	0.446	2
06125	Arsenic	7440-38-2	1.67	0.0952	0.892	2
06135	Lead	7439-92-1	14.3	0.0143	0.446	2
06141	Selenium	7782-49-2	0.234 J	0.111	0.892	2
06145	Thallium	7440-28-0	0.220 J	0.0334	0.223	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0219 J	0.0113	0.227	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.9	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1A Soil
ITRC
ISM 2014

LL Sample # SW 7673753
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/05/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/12/2014 17:30

URS Corporation

Reported: 11/26/2014 09:09

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

DU1A3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143220016A	11/19/2014 18:07	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143220016A	11/18/2014 16:10	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143220637006	11/19/2014 20:28	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143220637006A	11/20/2014 17:27	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143220637006A	11/20/2014 17:27	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143220637006A	11/20/2014 17:27	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143220637006B	11/20/2014 17:27	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143220637006A	11/20/2014 17:27	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143220638001	11/20/2014 10:18	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143220637006	11/19/2014 06:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143220638001	11/19/2014 10:35	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673754
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1B1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	440	U 440	1,300	53.89
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,300	53.89
10237	Acrolein	107-02-8	1,300	U 1,300	6,300	53.89
10237	Acrylonitrile	107-13-1	250	U 250	1,300	53.89
10237	Allyl Chloride	107-05-1	63	U 63	310	53.89
10237	Benzene	71-43-2	31	U 31	310	53.89
10237	Bromodichloromethane	75-27-4	63	U 63	310	53.89
10237	Bromoform	75-25-2	63	U 63	310	53.89
10237	Bromomethane	74-83-9	130	U 130	310	53.89
10237	2-Butanone	78-93-3	250	U 250	630	53.89
10237	Carbon Disulfide	75-15-0	63	U 63	310	53.89
10237	Carbon Tetrachloride	56-23-5	63	U 63	310	53.89
10237	2-Chloro-1,3-butadiene	126-99-8	63	U 63	310	53.89
10237	Chlorobenzene	108-90-7	63	U 63	310	53.89
10237	Chloroethane	75-00-3	130	U 130	310	53.89
10237	Chloroform	67-66-3	63	U 63	310	53.89
10237	Chloromethane	74-87-3	130	U 130	310	53.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	310	53.89
10237	Dibromochloromethane	124-48-1	63	U 63	310	53.89
10237	1,2-Dibromoethane	106-93-4	63	U 63	310	53.89
10237	Dibromomethane	74-95-3	63	U 63	310	53.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	630	U 630	3,100	53.89
10237	Dichlorodifluoromethane	75-71-8	130	U 130	310	53.89
10237	1,1-Dichloroethane	75-34-3	63	U 63	310	53.89
10237	1,2-Dichloroethane	107-06-2	63	U 63	310	53.89
10237	1,1-Dichloroethene	75-35-4	63	U 63	310	53.89
10237	cis-1,2-Dichloroethene	156-59-2	63	U 63	310	53.89
10237	trans-1,2-Dichloroethene	156-60-5	63	U 63	310	53.89
10237	1,2-Dichloropropane	78-87-5	63	U 63	310	53.89
10237	cis-1,3-Dichloropropene	10061-01-5	63	U 63	310	53.89
10237	trans-1,3-Dichloropropene	10061-02-6	63	U 63	310	53.89
10237	Ethyl Methacrylate	97-63-2	63	U 63	310	53.89
10237	Ethylbenzene	100-41-4	63	U 63	310	53.89
10237	2-Hexanone	591-78-6	190	U 190	630	53.89
10237	Isobutyl Alcohol	78-83-1	6,300	U 6,300	16,000	53.89
10237	Methacrylonitrile	126-98-7	310	U 310	3,100	53.89
10237	Methyl Iodide	74-88-4	190	U 190	310	53.89
10237	Methyl Methacrylate	80-62-6	63	U 63	310	53.89
10237	4-Methyl-2-pentanone	108-10-1	190	U 190	630	53.89
10237	Methylene Chloride	75-09-2	130	U 130	310	53.89
10237	Pentachloroethane	76-01-7	63	U 63	310	53.89
10237	Propionitrile	107-12-0	1,900	U 1,900	6,300	53.89
10237	Styrene	100-42-5	63	U 63	310	53.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	63	U 63	310	53.89
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	63	U 63	310	53.89
10237	Tetrachloroethene	127-18-4	63	U 63	310	53.89
10237	Toluene	108-88-3	63	U 63	310	53.89
10237	1,1,1-Trichloroethane	71-55-6	63	U 63	310	53.89
10237	1,1,2-Trichloroethane	79-00-5	63	U 63	310	53.89
10237	Trichloroethene	79-01-6	63	U 63	310	53.89
10237	Trichlorofluoromethane	75-69-4	130	U 130	310	53.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673754
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1B1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	63	U 63	310	53.89
10237	Vinyl Acetate	108-05-4	130	U 130	630	53.89
10237	Vinyl Chloride	75-01-4	63	U 63	310	53.89
10237	Xylene (Total)	1330-20-7	63	U 63	310	53.89
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	14.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 11:50	Anita M Dale	53.89
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143111356501	11/07/2014 09:45	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143111356501	11/07/2014 09:45	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673755
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	20	1
10726	Acenaphthylene	208-96-8	7	J 4	20	1
10726	Acetophenone	98-86-2	19	U 19	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	580	1
10726	Aniline	62-53-3	190	U 190	580	1
10726	Anthracene	120-12-7	5	J 4	20	1
10726	Benzo(a)anthracene	56-55-3	25	4	20	1
10726	Benzo(a)pyrene	50-32-8	23	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	41	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	19	J 4	20	1
10726	Benzo(k)fluoranthene	207-08-9	15	J 4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	580	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	39	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	190	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	39	1
10726	4-Chloroaniline	106-47-8	19	U 19	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	39	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	19	U 19	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	39	1
10726	Chrysene	218-01-9	33	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	190	1
10726	Dibenz(a,h)anthracene	53-70-3	8	J 4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	39	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	39	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	39	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	39	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	39	1
10726	Diethylphthalate	84-66-2	78	U 78	190	1
10726	Dimethoate	60-51-5	190	U 190	580	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	U 580	1,200	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	580	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	190	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673755
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	19	U 19	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	51	4	20	1
10726	Fluorene	86-73-7	4	U 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	39	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	580	1
10726	Hexachloroethane	67-72-1	39	U 39	190	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	39	1
10726	Isophorone	78-59-1	19	U 19	39	1
10726	Isosafrole	120-58-1	78	U 78	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,800	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	39	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	39	1
10726	4-Methylphenol	106-44-5	19	U 19	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	20	1
10726	1,4-Naphthoquinone	130-15-4	970	U 970	3,900	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	580	1
10726	2-Naphthylamine	91-59-8	190	U 190	580	1
10726	2-Nitroaniline	88-74-4	19	U 19	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	190	1
10726	4-Nitroaniline	100-01-6	78	U 78	190	1
10726	Nitrobenzene	98-95-3	19	U 19	39	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	580	1
10726	2-Nitrophenol	88-75-5	19	U 19	39	1
10726	4-Nitrophenol	100-02-7	190	U 190	580	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	39	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673755
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1B2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	190	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	39	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	190	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	190	1
10726	Phenanthrene	85-01-8	27	4	20	1
10726	Phenol	108-95-2	19	U 19	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	190	1
10726	Pyrene	129-00-0	49	4	20	1
10726	Pyridine	110-86-1	78	U 78	190	1
10726	Safrole	94-59-7	78	U 78	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	190	1
10726	Thionazin	297-97-2	78	U 78	190	1
10726	o-Toluidine	95-53-4	230	U 230	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	39	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	39	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	580	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ISM 2014

LL Sample # SW 7673755
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1B2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14319SLB026	11/19/2014 02:18	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14319SLB026	11/16/2014 06:45	Nicholas W Shroyer	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 22:32	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 18:50	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ITRC
ISM 2014

LL Sample # SW 7673756
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/12/2014 17:30

URS Corporation

Reported: 11/26/2014 09:09

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU1B3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.2 U	4.2	20	1
10885	PCB-1221	11104-28-2	5.4 U	5.4	20	1
10885	PCB-1232	11141-16-5	9.3 U	9.3	20	1
10885	PCB-1242	53469-21-9	3.9 U	3.9	20	1
10885	PCB-1248	12672-29-6	3.9 U	3.9	20	1
10885	PCB-1254	11097-69-1	3.9 U	3.9	20	1
10885	PCB-1260	11096-82-5	5.7 U	5.7	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	29.6	0.0378	1.14	1
06947	Beryllium	7440-41-7	0.787 J	0.0766	1.14	1
06949	Cadmium	7440-43-9	0.0378 U	0.0378	1.14	1
06951	Chromium	7440-47-3	5.54	0.126	3.43	1
06952	Cobalt	7440-48-4	1.77	0.110	1.14	1
06953	Copper	7440-50-8	4.95	0.378	2.29	1
06961	Nickel	7440-02-0	14.6	0.172	2.29	1
06966	Silver	7440-22-4	0.217 U	0.217	1.14	1
06969	Tin	7440-31-5	2.50 J	0.492	22.9	1
06971	Vanadium	7440-62-2	15.5	0.104	1.14	1
06972	Zinc	7440-66-6	25.8	0.297	4.58	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0966 U	0.0966	0.458	2
06125	Arsenic	7440-38-2	2.02	0.0977	0.915	2
06135	Lead	7439-92-1	14.5	0.0147	0.458	2
06141	Selenium	7782-49-2	0.328 J	0.114	0.915	2
06145	Thallium	7440-28-0	0.223 J	0.0343	0.229	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0282 J	0.0115	0.230	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	14.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1B Soil
ITRC
ISM 2014

LL Sample # SW 7673756
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/07/2014 09:45 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1B3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143220016A	11/19/2014 18:19	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143220016A	11/18/2014 16:10	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143220637006	11/19/2014 20:54	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143220637006A	11/20/2014 17:41	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143220637006A	11/20/2014 17:41	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143220637006A	11/20/2014 17:41	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143220637006B	11/20/2014 17:41	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143220637006A	11/20/2014 17:41	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143220638001	11/20/2014 10:28	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143220637006	11/19/2014 06:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143220638001	11/19/2014 10:35	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673757
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1C1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	420	U 420	1,200	51.92
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,000	51.92
10237	Acrolein	107-02-8	1,200	U 1,200	6,000	51.92
10237	Acrylonitrile	107-13-1	240	U 240	1,200	51.92
10237	Allyl Chloride	107-05-1	60	U 60	300	51.92
10237	Benzene	71-43-2	30	U 30	300	51.92
10237	Bromodichloromethane	75-27-4	60	U 60	300	51.92
10237	Bromoform	75-25-2	60	U 60	300	51.92
10237	Bromomethane	74-83-9	120	U 120	300	51.92
10237	2-Butanone	78-93-3	240	U 240	600	51.92
10237	Carbon Disulfide	75-15-0	60	U 60	300	51.92
10237	Carbon Tetrachloride	56-23-5	60	U 60	300	51.92
10237	2-Chloro-1,3-butadiene	126-99-8	60	U 60	300	51.92
10237	Chlorobenzene	108-90-7	60	U 60	300	51.92
10237	Chloroethane	75-00-3	120	U 120	300	51.92
10237	Chloroform	67-66-3	60	U 60	300	51.92
10237	Chloromethane	74-87-3	120	U 120	300	51.92
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	300	51.92
10237	Dibromochloromethane	124-48-1	60	U 60	300	51.92
10237	1,2-Dibromoethane	106-93-4	60	U 60	300	51.92
10237	Dibromomethane	74-95-3	60	U 60	300	51.92
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U 600	3,000	51.92
10237	Dichlorodifluoromethane	75-71-8	120	U 120	300	51.92
10237	1,1-Dichloroethane	75-34-3	60	U 60	300	51.92
10237	1,2-Dichloroethane	107-06-2	60	U 60	300	51.92
10237	1,1-Dichloroethene	75-35-4	60	U 60	300	51.92
10237	cis-1,2-Dichloroethene	156-59-2	60	U 60	300	51.92
10237	trans-1,2-Dichloroethene	156-60-5	60	U 60	300	51.92
10237	1,2-Dichloropropane	78-87-5	60	U 60	300	51.92
10237	cis-1,3-Dichloropropene	10061-01-5	60	U 60	300	51.92
10237	trans-1,3-Dichloropropene	10061-02-6	60	U 60	300	51.92
10237	Ethyl Methacrylate	97-63-2	60	U 60	300	51.92
10237	Ethylbenzene	100-41-4	60	U 60	300	51.92
10237	2-Hexanone	591-78-6	180	U 180	600	51.92
10237	Isobutyl Alcohol	78-83-1	6,000	U 6,000	15,000	51.92
10237	Methacrylonitrile	126-98-7	300	U 300	3,000	51.92
10237	Methyl Iodide	74-88-4	180	U 180	300	51.92
10237	Methyl Methacrylate	80-62-6	60	U 60	300	51.92
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	600	51.92
10237	Methylene Chloride	75-09-2	120	U 120	300	51.92
10237	Pentachloroethane	76-01-7	60	U 60	300	51.92
10237	Propionitrile	107-12-0	1,800	U 1,800	6,000	51.92
10237	Styrene	100-42-5	60	U 60	300	51.92
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U 60	300	51.92
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	60	U 60	300	51.92
10237	Tetrachloroethene	127-18-4	60	U 60	300	51.92
10237	Toluene	108-88-3	60	U 60	300	51.92
10237	1,1,1-Trichloroethane	71-55-6	60	U 60	300	51.92
10237	1,1,2-Trichloroethane	79-00-5	60	U 60	300	51.92
10237	Trichloroethene	79-01-6	60	U 60	300	51.92
10237	Trichlorofluoromethane	75-69-4	120	U 120	300	51.92

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673757
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1C1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	60	U 60	300	51.92
10237	Vinyl Acetate	108-05-4	120	U 120	600	51.92
10237	Vinyl Chloride	75-01-4	60	U 60	300	51.92
10237	Xylene (Total)	1330-20-7	60	U 60	300	51.92
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 12:13	Anita M Dale	51.92
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143141356501	11/10/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143141356501	11/10/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673758
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	20	1
10726	Acenaphthylene	208-96-8	4	U 4	20	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	77	U 77	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	6	J 4	20	1
10726	Benzo(a)anthracene	56-55-3	25	4	20	1
10726	Benzo(a)pyrene	50-32-8	26	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	39	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	20	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	15	J 4	20	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	77	U 77	190	1
10726	Di-n-butylphthalate	84-74-2	77	U 77	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	29	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	9	J 4	20	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	77	U 77	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	77	U 77	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	77	U 77	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	77	U 77	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	77	U 77	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673758
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/26/2014 09:09

DU1C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	77	U 77	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	77	U 77	200	1
10726	Fluoranthene	206-44-0	42	4	20	1
10726	Fluorene	86-73-7	4	J 4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	15	J 4	20	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	77	U 77	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	20	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	7	J 4	20	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	77	U 77	190	1
10726	4-Nitroaniline	100-01-6	77	U 77	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	77	U 77	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	77	U 77	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673758
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	77	U 77	190	1
10726	N-Nitrosomorpholine	59-89-2	77	U 77	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	77	U 77	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	77	U 77	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	200	1
10726	Phenacetin	62-44-2	77	U 77	190	1
10726	Phenanthrene	85-01-8	30	4	20	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	38	4	20	1
10726	Pyridine	110-86-1	77	U 77	190	1
10726	Safrole	94-59-7	77	U 77	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	77	U 77	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	77	U 77	190	1
10726	Thionazin	297-97-2	77	U 77	190	1
10726	o-Toluidine	95-53-4	230	U 230	770	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	77	U 77	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ISM 2014

LL Sample # SW 7673758
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

DU1C2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14319SLB026	11/19/2014 02:41	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14319SLB026	11/16/2014 06:45	Nicholas W Shroyer	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 22:47	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 18:50	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ITRC
ISM 2014

LL Sample # SW 7673759
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/12/2014 17:30

URS Corporation

Reported: 11/26/2014 09:09

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU1C3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	3.8 U	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	30.6	0.0372	1.13	1
06947	Beryllium	7440-41-7	0.832 J	0.0755	1.13	1
06949	Cadmium	7440-43-9	0.0372 U	0.0372	1.13	1
06951	Chromium	7440-47-3	5.98	0.124	3.38	1
06952	Cobalt	7440-48-4	1.90	0.108	1.13	1
06953	Copper	7440-50-8	4.35	0.372	2.25	1
06961	Nickel	7440-02-0	12.1	0.169	2.25	1
06966	Silver	7440-22-4	0.214 U	0.214	1.13	1
06969	Tin	7440-31-5	2.43 J	0.485	22.5	1
06971	Vanadium	7440-62-2	16.1	0.103	1.13	1
06972	Zinc	7440-66-6	24.4	0.293	4.51	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0951 U	0.0951	0.451	2
06125	Arsenic	7440-38-2	1.90	0.0962	0.902	2
06135	Lead	7439-92-1	12.2	0.0145	0.451	2
06141	Selenium	7782-49-2	0.345 J	0.113	0.902	2
06145	Thallium	7440-28-0	0.196 J	0.0338	0.225	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0266 J	0.0113	0.225	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-1C Soil
ITRC
ISM 2014

LL Sample # SW 7673759
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 16:15 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/12/2014 17:30

URS Corporation

Reported: 11/26/2014 09:09

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU1C3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143220016A	11/19/2014 18:30	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143220016A	11/18/2014 16:10	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143220637006	11/19/2014 20:58	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143220637006A	11/20/2014 17:44	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143220637006A	11/20/2014 17:44	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143220637006A	11/20/2014 17:44	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143220637006B	11/20/2014 17:44	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143220637006A	11/20/2014 17:44	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143220638001	11/20/2014 10:30	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143220637006	11/19/2014 06:47	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143220638001	11/19/2014 10:35	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14323820003A	11/19/2014 18:37	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-110514 Other Liquid
ISM 2014

LL Sample # G5 7673760
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

TB11-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-110514 Other Liquid
ISM 2014

LL Sample # G5 7673760
LL Group # 1518327
Account # 06643

Project Name: BRE - ISM

Collected: 11/10/2014 17:10 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/26/2014 09:09

TB11-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143231AA	11/19/2014 13:46	Anita M Dale	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201431736168	11/10/2014 17:10	Client Supplied	1
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	2	201431736168	11/10/2014 17:10	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143231AA	Sample number(s): 7673751,7673754,7673757,7673760								
Acetone	350	350.	1,000	ug/kg	97	84	53-141	15	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	90	99	61-147	10	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	86	70	58-122	21	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	94	83	58-123	13	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	121	100	61-132	19	30
Benzene	25	U 25.	250	ug/kg	107	94	80-120	13	30
Bromodichloromethane	50	U 50.	250	ug/kg	97	85	75-120	14	30
Bromoform	50	U 50.	250	ug/kg	101	89	70-126	12	30
Bromomethane	100	100.	250	ug/kg	112	103	32-162	8	30
	U								
2-Butanone	200	200.	500	ug/kg	92	82	62-123	12	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	84	75	63-128	12	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	97	88	69-130	10	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	94	82	73-120	13	30
Chlorobenzene	50	U 50.	250	ug/kg	110	95	80-120	15	30
Chloroethane	100	100.	250	ug/kg	105	95	17-171	10	30
	U								
Chloroform	50	U 50.	250	ug/kg	105	94	80-125	11	30
Chloromethane	100	100.	250	ug/kg	87	75	56-120	16	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	86	81	59-122	7	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	102	88	77-120	14	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	110	94	80-120	16	30
Dibromomethane	50	U 50.	250	ug/kg	105	93	80-120	12	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	114	108	70-128	5	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	48	44	26-137	8	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	106	91	80-122	15	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	105	91	77-130	14	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	107	94	73-129	13	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	110	94	80-120	15	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	110	95	80-129	15	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	103	91	80-120	12	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	103	89	74-120	15	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	105	91	76-120	14	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	99	86	65-120	14	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50	U	50.	250	ug/kg	103	90	80-120	13	30
2-Hexanone	150		150.	500	ug/kg	98	85	51-120	14	30
	U									
Isobutyl Alcohol	5,000		5,000.	13,000	ug/kg	110	98	64-121	11	30
	U									
Methacrylonitrile	250		250.	2,500	ug/kg	105	90	73-127	16	30
	U									
Methyl Iodide	150		150.	250	ug/kg	109	92	72-130	17	30
	U									
Methyl Methacrylate	50	U	50.	250	ug/kg	97	80	60-120	19	30
4-Methyl-2-pentanone	150		150.	500	ug/kg	93	81	57-123	15	30
	U									
Methylene Chloride	100		100.	250	ug/kg	110	94	80-124	15	30
	U									
Pentachloroethane	50	U	50.	250	ug/kg	121*	96	71-120	23	30
Propionitrile	1,500		1,500.	5,000	ug/kg	100	87	63-131	14	30
	U									
Styrene	50	U	50.	250	ug/kg	105	93	76-120	12	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	108	94	80-120	15	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	105	100	71-123	5	30
Tetrachloroethene	50	U	50.	250	ug/kg	112	98	78-120	13	30
Toluene	50	U	50.	250	ug/kg	107	94	80-120	13	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	101	89	63-135	13	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	106	94	80-120	12	30
Trichloroethene	50	U	50.	250	ug/kg	104	95	80-125	9	30
Trichlorofluoromethane	100		100.	250	ug/kg	88	78	58-133	12	30
	U									
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	103	71-123	6	30
Vinyl Acetate	100		100.	500	ug/kg	63	69	40-127	8	30
	U									
Vinyl Chloride	50	U	50.	250	ug/kg	92	80	59-120	13	30
Xylene (Total)	50	U	50.	250	ug/kg	107	93	80-120	14	30
Batch number: 14319SLB026	Sample number(s): 7673752,7673755,7673758									
Acenaphthene	3	U	3.	17	ug/kg	95		83-111		
Acenaphthylene	3	U	3.	17	ug/kg	116		83-127		
Acetophenone	17	U	17.	33	ug/kg	97		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	110		78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	43		14-89		
	U									
Aniline	170		170.	500	ug/kg	75		43-110		
	U									
Anthracene	3	U	3.	17	ug/kg	99		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	106		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	99		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	107		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	102		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170		170.	500	ug/kg	113		75-132		
	U									
1,1'-Biphenyl	17	U	17.	33	ug/kg	100		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	99		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	104		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	102		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	106		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	52		10-105		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chlorobenzilate	33	U	33.	170	ug/kg	113	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	95	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	91	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	92	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	107	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	107	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	104	83-115		
Chrysene	3	U	3.	17	ug/kg	105	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	96	76-135		
Dibenz(a, h)anthracene	3	U	3.	17	ug/kg	102	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	102	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	96	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	93	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	92	79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	95	10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	110	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	106	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	104	81-118		
Dimethoate	170	U	170.	500	ug/kg	38	18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	120	81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	129*	17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	96	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	105	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	102	82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	108	67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	104	86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	92	42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	106	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	104	83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	59	33-86		
Diphenyl ether	17	U	17.	33	ug/kg	101	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	96	77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	108	81-121		
Fluoranthene	3	U	3.	17	ug/kg	99	75-118		
Fluorene	3	U	3.	17	ug/kg	100	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	89	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	107	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	125	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	98	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	108	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100	76-122		
Isodrin	17	U	17.	33	ug/kg	105	85-128		
Isophorone	17	U	17.	33	ug/kg	104	83-119		
Isosafrole	67	U	67.	170	ug/kg	108	86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	90	70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	90	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	110	85-126		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Methylnaphthalene	3	U	3.	17	ug/kg	96		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	108		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	99		75-119		
Naphthalene	3	U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	91		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	73		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	46		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	71		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	104		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	98		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	92		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	91		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	115		83-120		
4-Nitrophenol	170		170.	500	ug/kg	89		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	102		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	93		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	72		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	80		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	96		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	80		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	90		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	105		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	114		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	107		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	104		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	87		46-133		
Phenacetin	67	U	67.	170	ug/kg	99		76-119		
Phenanthrene	3	U	3.	17	ug/kg	95		80-114		
Phenol	17	U	17.	33	ug/kg	96		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	82		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	103		72-119		
Pyrene	3	U	3.	17	ug/kg	98		81-114		
Pyridine	67	U	67.	170	ug/kg	79		51-109		
Safrole	67	U	67.	170	ug/kg	107		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	103		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	112		77-129		
Tetraethylthiopyrophosphate	67	U	67.	170	ug/kg	94		77-123		
Thionazin	67	U	67.	170	ug/kg	96		76-123		
o-Toluidine	200		200.	670	ug/kg	64		12-110		
	U									
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	98		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	100		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	106		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	107		82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	85		67-111		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
U									
Batch number: 143220016A	Sample number(s): 7673753,7673756,7673759								
PCB-1016	3.6 U	3.6	17	ug/kg	100	104	76-121	4	50
PCB-1221	4.6 U	4.6	17	ug/kg					
PCB-1232	8.0 U	8.0	17	ug/kg					
PCB-1242	3.3 U	3.3	17	ug/kg					
PCB-1248	3.3 U	3.3	17	ug/kg					
PCB-1254	3.3 U	3.3	17	ug/kg					
PCB-1260	4.9 U	4.9	17	ug/kg	109	108	79-132	1	50
Batch number: 143240034A	Sample number(s): 7673755,7673758								
Diethylene glycol	5.0 U	5.0	10	mg/kg	93		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	94		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	94		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	93		34-145		
Batch number: 143250038A	Sample number(s): 7673752								
Diethylene glycol	5.0 U	5.0	10	mg/kg	92		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	94		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	93		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	94		34-145		
Batch number: 143220637006	Sample number(s): 7673753,7673756,7673759								
Barium	0.0330 U	0.0330	1.00	mg/kg	105		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	108		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	105		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	105		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	106		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	107		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	106		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.28 J	0.430	20.0	mg/kg	105		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	111		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	104		80-120		
Batch number: 143220637006A	Sample number(s): 7673753,7673756,7673759								
Antimony	0.0844 U	0.0844	0.400	mg/kg	101		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	106		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	106		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	109		80-120		
Batch number: 143220637006B	Sample number(s): 7673753,7673756,7673759								
Selenium	0.100 U	0.100	0.800	mg/kg	107		80-120		
Batch number: 143220638001	Sample number(s): 7673753,7673756,7673759								
Mercury	0.0100 U	0.0100	0.200	mg/kg	85		80-120		
Batch number: 14323820003A	Sample number(s): 7673751-7673759								
Moisture					100		99-101		
Moisture					100		99-101		

Sample Matrix Quality Control

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1518327

Reported: 11/26/14 at 09:09 AM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Batch number: Q143231AA	Sample number(s): 7673751,7673754,7673757,7673760					BKG: 7673751			
Acetone						370	U 370	U 0 (1)	30
Acetonitrile						1,300	U 1,300	U 0 (1)	30
Acrolein						U	U		
						1,100	U 1,100	U 0 (1)	30
Acrylonitrile						210	U 210	U 0 (1)	30
Allyl Chloride						53	U 53	U 0 (1)	30
Benzene						27	U 27	U 0 (1)	30
Bromodichloromethane						53	U 53	U 0 (1)	30
Bromoform						53	U 53	U 0 (1)	30
Bromomethane						110	U 110	U 0 (1)	30
2-Butanone						210	U 210	U 0 (1)	30
Carbon Disulfide						53	U 53	U 0 (1)	30
Carbon Tetrachloride						53	U 53	U 0 (1)	30
2-Chloro-1,3-butadiene						53	U 53	U 0 (1)	30
Chlorobenzene						53	U 53	U 0 (1)	30
Chloroethane						110	U 110	U 0 (1)	30
Chloroform						53	U 53	U 0 (1)	30
Chloromethane						110	U 110	U 0 (1)	30
1,2-Dibromo-3-chloropropane						110	U 110	U 0 (1)	30
Dibromochloromethane						53	U 53	U 0 (1)	30
1,2-Dibromoethane						53	U 53	U 0 (1)	30
Dibromomethane						53	U 53	U 0 (1)	30
trans-1,4-Dichloro-2-butene						530	U 530	U 0 (1)	30
Dichlorodifluoromethane						110	U 110	U 0 (1)	30
1,1-Dichloroethane						53	U 53	U 0 (1)	30
1,2-Dichloroethane						53	U 53	U 0 (1)	30
1,1-Dichloroethene						53	U 53	U 0 (1)	30
cis-1,2-Dichloroethene						53	U 53	U 0 (1)	30
trans-1,2-Dichloroethene						53	U 53	U 0 (1)	30
1,2-Dichloropropane						53	U 53	U 0 (1)	30
cis-1,3-Dichloropropene						53	U 53	U 0 (1)	30
trans-1,3-Dichloropropene						53	U 53	U 0 (1)	30
Ethyl Methacrylate						53	U 53	U 0 (1)	30
Ethylbenzene						53	U 53	U 0 (1)	30
2-Hexanone						160	U 160	U 0 (1)	30
Isobutyl Alcohol						5,300	U 5,300	U 0 (1)	30
						U	U		
Methacrylonitrile						270	U 270	U 0 (1)	30
Methyl Iodide						160	U 160	U 0 (1)	30
Methyl Methacrylate						53	U 53	U 0 (1)	30
4-Methyl-2-pentanone						160	U 160	U 0 (1)	30
Methylene Chloride						110	U 110	U 0 (1)	30
Pentachloroethane						53	U 53	U 0 (1)	30
Propionitrile						1,600	U 1,600	U 0 (1)	30
						U	U		
Styrene						53	U 53	U 0 (1)	30
1,1,1,2-Tetrachloroethane						53	U 53	U 0 (1)	30
1,1,2,2-Tetrachloroethane						53	U 53	U 0 (1)	30
Tetrachloroethene						53	U 53	U 0 (1)	30
Toluene						53	U 53	U 0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
1,1,1-Trichloroethane						53	U 53	U 0 (1)		30
1,1,2-Trichloroethane						53	U 53	U 0 (1)		30
Trichloroethene						53	U 53	U 0 (1)		30
Trichlorofluoromethane						110	U 110	U 0 (1)		30
1,2,3-Trichloropropane						53	U 53	U 0 (1)		30
Vinyl Acetate						110	U 110	U 0 (1)		30
Vinyl Chloride						53	U 53	U 0 (1)		30
Xylene (Total)						53	U 53	U 0 (1)		30

Batch number: 14319SLB026	Sample number(s): 7673752,7673755,7673758 UNSPK: 7673752									
Acenaphthene	89	90	55-132	1	30					
Acenaphthylene	107	109	53-143	2	30					
Acetophenone	94	100	67-111	7	30					
2-Acetylaminofluorene	102	104	48-138	2	30					
4-Aminobiphenyl	41	28	10-80	36*	30					
Aniline	73	62	23-96	16	30					
Anthracene	92	98	42-147	6	30					
Benzo(a)anthracene	94	98	32-150	4	30					
Benzo(a)pyrene	90	96	36-151	6	30					
Benzo(b)fluoranthene	91	105	29-150	13	30					
Benzo(g,h,i)perylene	91	98	41-147	8	30					
Benzo(k)fluoranthene	82	88	35-146	7	30					
Benzyl alcohol	102	104	69-131	2	30					
1,1'-Biphenyl	95	96	57-123	1	30					
4-Bromophenyl-phenylether	95	107	58-142	12	30					
Butylbenzylphthalate	97	98	50-137	2	30					
Di-n-butylphthalate	94	101	57-130	7	30					
4-Chloro-3-methylphenol	94	105	39-150	10	30					
4-Chloroaniline	79	39	10-100	67*	30					
Chlorobenzilate	101	102	79-128	1	30					
bis(2-Chloroethoxy)methane	80	82	54-128	2	30					
bis(2-Chloroethyl)ether	87	80	69-114	8	30					
bis(2-Chloroisopropyl)ether	87	89	62-120	2	30					
2-Chloronaphthalene	104	101	40-156	3	30					
2-Chlorophenol	104	105	35-152	1	30					
4-Chlorophenyl-phenylether	96	96	56-130	1	30					
Chrysene	96	97	28-146	1	30					
Diallate TRANS/CIS	96	96	45-145	1	30					
Dibenz(a,h)anthracene	92	98	54-142	7	30					
Dibenzofuran	95	97	46-137	2	30					
1,2-Dichlorobenzene	93	85	45-133	9	30					
1,3-Dichlorobenzene	92	94	45-129	3	30					
1,4-Dichlorobenzene	90	95	44-132	6	30					
3,3'-Dichlorobenzidine	82	80	10-143	3	30					
2,4-Dichlorophenol	99	106	39-153	6	30					
2,6-Dichlorophenol	96	106	56-133	9	30					
Diethylphthalate	93	95	54-127	2	30					
Dimethoate	83	84	39-178	2	30					
p-Dimethylaminoazobenzene	108	109	77-123	1	30					
3,3'-Dimethylbenzidine	74	70	10-103	6	30					
7,12-Dimethylbenz[a]anthracene	83	91	44-139	9	30					
2,4-Dimethylphenol	93	99	38-140	6	30					

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dimethylphthalate	91	95	45-135	4	30				
4,6-Dinitro-2-methylphenol	77	82	10-148	6	30				
1,3-Dinitrobenzene	93	92	73-116	2	30				
2,4-Dinitrophenol	62	60	20-143	4	30				
2,4-Dinitrotoluene	97	96	39-144	2	30				
2,6-Dinitrotoluene	97	103	54-134	6	30				
1,4-Dioxane	41	49	10-98	16	30				
Diphenyl ether	93	97	54-125	5	30				
Ethyl methanesulfonate	77	83	44-120	6	30				
bis(2-Ethylhexyl)phthalate	100	105	52-138	4	30				
Fluoranthene	85	88	41-135	4	30				
Fluorene	91	92	55-128	2	30				
Hexachlorobenzene	87	92	46-132	6	30				
Hexachlorobutadiene	94	111	65-125	17	30				
Hexachlorocyclopentadiene	50	54	10-153	8	30				
Hexachloroethane	91	94	24-138	3	30				
Hexachloropropene	72	83	39-124	14	30				
Indeno(1,2,3-cd)pyrene	90	98	44-147	8	30				
Isodrin	88	98	10-143	10	30				
Isophorone	92	97	68-119	6	30				
Isosafrole	108	106	69-135	1	30				
Methapyrilene	27*	0*	70-130	200*	30				
Methyl methanesulfonate	62	68	10-134	9	30				
3-Methylcholanthrene	97	101	65-123	4	30				
2-Methylnaphthalene	90	100	39-140	11	30				
2-Methylphenol	103	96	36-149	6	30				
4-Methylphenol	97	96	29-143	0	30				
Naphthalene	94	94	44-142	0	30				
1,4-Naphthoquinone	81	84	70-130	3	30				
1-Naphthylamine	58	49	10-92	17	30				
2-Naphthylamine	39	32	10-71	18	30				
5-Nitro-o-toluidine	96	78	33-107	21	30				
2-Nitroaniline	98	99	64-131	1	30				
3-Nitroaniline	92	89	31-145	3	30				
4-Nitroaniline	86	77	30-131	11	30				
Nitrobenzene	84	87	41-141	4	30				
2-Nitrophenol	98	88	45-146	10	30				
4-Nitrophenol	82	80	25-142	3	30				
4-Nitroquinoline-1-oxide	35	35	10-160	0	30				
N-Nitroso-di-n-propylamine	90	90	58-126	1	30				
N-Nitrosodi-n-butylamine	83	92	38-136	10	30				
N-Nitrosodiethylamine	87	86	56-112	2	30				
N-Nitrosodimethylamine	53*	60*	61-110	13	30				
N-Nitrosodiphenylamine	94	101	59-135	7	30				
N-Nitrosomethylethylamine	65	68	54-118	4	30				
N-Nitrosomorpholine	86	89	72-121	4	30				
N-Nitrosopiperidine	90	87	48-131	3	30				
N-Nitrosopyrrolidine	96	101	59-131	5	30				
Di-n-octylphthalate	106	112	54-151	6	30				
Pentachlorobenzene	101	100	69-119	0	30				
Pentachloronitrobenzene	104	108	78-116	4	30				
Pentachlorophenol	85	91	23-145	6	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Phenacetin	93	98	69-121	6	30				
Phenanthrene	90	94	42-141	4	30				
Phenol	89	96	61-130	7	30				
2-Picoline	59	69	55-104	15	30				
Pronamide	100	105	69-130	6	30				
Pyrene	90	89	37-140	0	30				
Pyridine	51	56	16-108	9	30				
Safrole	98	109	76-114	11	30				
1,2,4,5-Tetrachlorobenzene	102	104	71-120	2	30				
2,3,4,6-Tetrachlorophenol	100	104	62-132	4	30				
Tetraethyldithiopyrophosphate	93	100	76-126	7	30				
Thionazin	89	94	65-123	6	30				
o-Toluidine	85*	59	21-84	37*	30				
1,2,4-Trichlorobenzene	94	102	50-139	8	30				
2,4,5-Trichlorophenol	99	98	64-131	1	30				
2,4,6-Trichlorophenol	101	102	60-136	0	30				
O,O,O-Triethylphosphorothioate	94	91	70-119	3	30				
1,3,5-Trinitrobenzene	67	64	10-113	4	30				
Batch number: 143240034A Sample number(s): 7673755,7673758 UNSPK: P677605									
Diethylene glycol	67	69	48-124	3	20				
Ethylene glycol	77	78	68-115	2	20				
Propylene glycol	79	80	71-115	2	20				
Triethylene glycol	52	53	23-139	3	20				
Batch number: 143250038A Sample number(s): 7673752 UNSPK: P673758									
Diethylene glycol	67	68	48-124	0	20				
Ethylene glycol	72	73	68-115	0	20				
Propylene glycol	74	74	71-115	0	20				
Triethylene glycol	60	59	23-139	2	20				
Batch number: 143220637006 Sample number(s): 7673753,7673756,7673759 UNSPK: 7673753 BKG: 7673753									
Barium	103	101	75-125	1	20	31.5	30.4	4	20
Beryllium	112	110	75-125	1	20	0.877 J	0.799 J	9 (1)	20
Cadmium	99	99	75-125	0	20	0.0320 U	0.0317 U	0 (1)	20
Chromium	100	100	75-125	0	20	4.50	4.24	6 (1)	20
Cobalt	100	100	75-125	0	20	1.66	1.52	9 (1)	20
Copper	107	108	75-125	1	20	4.13	3.91	5 (1)	20
Nickel	101	104	75-125	3	20	10.5	14.7	34*	20
Silver	108	107	75-125	1	20	0.184 U	0.183 U	0 (1)	20
Tin	95	95	75-125	1	20	2.22 J	2.06 J	7 (1)	20
Vanadium	106	106	75-125	1	20	12.3	11.4	8	20
Zinc	104	108	75-125	2	20	22.6	23.1	2	20
Batch number: 143220637006A Sample number(s): 7673753,7673756,7673759 UNSPK: 7673753 BKG: 7673753									
Antimony	69*	68*	75-125	2	20	0.0819 U	0.0812 U	0 (1)	20
Arsenic	99	109	75-125	5	20	1.46	1.44	1 (1)	20
Lead	94 (2)	94 (2)	75-125	0	20	12.5	13.4	8	20
Thallium	109	100	75-125	6	20	0.192 J	0.224	15 (1)	20
Batch number: 143220637006B Sample number(s): 7673753,7673756,7673759 UNSPK: 7673753 BKG: 7673753									
Selenium	103	110	75-125	6	20	0.204 J	0.236 J	15 (1)	20

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 143220638001 Mercury	91	88	75-125	4	20	0.0190 J	0.0158 J	19 (1)	20
Sample number(s): 7673753,7673756,7673759 UNSPK: 7673753 BKG: 7673753									
Batch number: 14323820003A Moisture						18.2	16.6	9*	5
Moisture						18.2	16.6	9*	5
Sample number(s): 7673751-7673759 BKG: P674859									

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: Q143231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7673751	73	69	72	72
7673754	75	79	72	77
7673757	86	89	85	94
7673760	88	88	89	84
Blank	92	97	94	87
DUP	83	89	80	86
LCS	102	99	107	100
LCSD	91	90	94	94
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14319SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7673752	92	95	104	82	95	105
7673755	95	93	99	83	92	101
7673758	106	94	106	92	90	99
Blank	94	102	109	88	94	107
LCS	99	102	108	91	98	106
MS	90	91	96	80	92	97
MSD	93	94	96	86	94	101
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143220016A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7673753	110	102
7673756	106	100
7673759	110	97
Blank	109	90
LCS	106	100
LCSD	106	99
Limits:	41-146	48-151

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 09:09 AM

Group Number: 1518327

Surrogate Quality Control

Analysis Name: 4 Gylcol Compounds
Batch number: 143240034A
Tetramethylene glycol

7673755	69*
7673758	68*
Blank	86
LCS	87
MS	73
MSD	73

Limits: 71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143250038A
Tetramethylene glycol

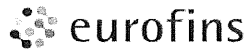
7673752	72
Blank	84
LCS	87
MSREDL	68*
MSDREDL	68*

Limits: 71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1518327 Sample Nos.: 7673751-60

Acc't: 06643 SF: 218983 SCR No.: 163460 Cooler No.: 12192

Cooler Temperature upon receipt: 0.4-2.2 °C Container No.: 2

30492

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road		Release No.:																		
Cedar Mountain NC 28718		PO Number: LBIO-67047																		
Sampler(s): <u>HL & ME</u>		Project Name: ISM 2014			APPIX Volatiles (8260)										ISM Condition upon receipt: <u>intact</u>					
Sample Identification		Date Collected	Time Collected	Matrix													Containers			X
																	Volume (ml)	Preserv	No.	
TB-11-110514 TB-11-110514		11/5/14	7:10	WW													40	MeOH	2	X
TB-11-110514																				
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>					Special Instructions:															
Bottles Relinquished by: <u>Bottle storage</u>		Date	Time	Bottles Received by:				Date:	Time:											
Bottles Relinquished by: <u>Hannah Lipomi</u>		Date	Time	Bottles Received by:				Date:	Time:											
		11/11/14	1300																	
Bottles Relinquished by:		Date	Time	Bottles Received by:				Date:	Time:											
Bottles Relinquished by:		Date	Time	Bottles Received by: <u>[Signature]</u>				Date: <u>11/12/14</u>	Time: <u>1730</u>											

Client: DuPont
ISM 2014
Delivery and Receipt Information

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>11/12/2014 17:30</u>
Number of Packages:	<u>3</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Patrick Engle (3472) at 18:38 on 11/12/2014
Samples Chilled Details: ISM 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.4	DT	Wet	Y	Loose	N
2	DT121	2.2	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N

General Comments: Received only 1 container for moisture analysis for each sample.
--

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 18, 2014

Project: BRE - ISM

Submittal Date: 12/05/2014

Group Number: 1523520

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-ISM-DU-10A Soil
SSP14-ISM-DU-10A Soil
SSP14-ISM-DU-10A Soil
SSP14-ISM-DU-10B Soil
SSP14-ISM-DU-10B Soil
SSP14-ISM-DU-10B Soil
SSP14-ISM-DU-10C Soil
SSP14-ISM-DU-10C Soil
SSP14-ISM-DU-10C Soil
SSP14-ISM-DU-4B Soil
SSP14-ISM-DU-4B Soil
SSP14-ISM-DU-4B Soil
SSP14-ISM-DU-4C Soil
SSP14-ISM-DU-4C Soil
SSP14-ISM-DU-4C Soil
TB-120114 Other Liquid
TB-120414 Other Liquid
TB-120314 Other Liquid
EB-120314 Blank Water

Lancaster Labs (LL)

7700485
7700486
7700487
7700488
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7700503

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700485
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10AA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	400	U 400	1,200	47.08
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,800	47.08
10237	Acrolein	107-02-8	1,200	U 1,200	5,800	47.08
10237	Acrylonitrile	107-13-1	230	U 230	1,200	47.08
10237	Allyl Chloride	107-05-1	58	U 58	290	47.08
10237	Benzene	71-43-2	29	U 29	290	47.08
10237	Bromodichloromethane	75-27-4	58	U 58	290	47.08
10237	Bromoform	75-25-2	58	U 58	290	47.08
10237	Bromomethane	74-83-9	120	U 120	290	47.08
10237	2-Butanone	78-93-3	230	U 230	580	47.08
10237	Carbon Disulfide	75-15-0	58	U 58	290	47.08
10237	Carbon Tetrachloride	56-23-5	58	U 58	290	47.08
10237	2-Chloro-1,3-butadiene	126-99-8	58	U 58	290	47.08
10237	Chlorobenzene	108-90-7	58	U 58	290	47.08
10237	Chloroethane	75-00-3	120	U 120	290	47.08
10237	Chloroform	67-66-3	58	U 58	290	47.08
10237	Chloromethane	74-87-3	120	U 120	290	47.08
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	290	47.08
10237	Dibromochloromethane	124-48-1	58	U 58	290	47.08
10237	1,2-Dibromoethane	106-93-4	58	U 58	290	47.08
10237	Dibromomethane	74-95-3	58	U 58	290	47.08
10237	trans-1,4-Dichloro-2-butene	110-57-6	580	U 580	2,900	47.08
10237	Dichlorodifluoromethane	75-71-8	120	U 120	290	47.08
10237	1,1-Dichloroethane	75-34-3	58	U 58	290	47.08
10237	1,2-Dichloroethane	107-06-2	58	U 58	290	47.08
10237	1,1-Dichloroethene	75-35-4	58	U 58	290	47.08
10237	cis-1,2-Dichloroethene	156-59-2	58	U 58	290	47.08
10237	trans-1,2-Dichloroethene	156-60-5	58	U 58	290	47.08
10237	1,2-Dichloropropane	78-87-5	58	U 58	290	47.08
10237	cis-1,3-Dichloropropene	10061-01-5	58	U 58	290	47.08
10237	trans-1,3-Dichloropropene	10061-02-6	58	U 58	290	47.08
10237	Ethyl Methacrylate	97-63-2	58	U 58	290	47.08
10237	Ethylbenzene	100-41-4	58	U 58	290	47.08
10237	2-Hexanone	591-78-6	170	U 170	580	47.08
10237	Isobutyl Alcohol	78-83-1	5,800	U 5,800	14,000	47.08
10237	Methacrylonitrile	126-98-7	290	U 290	2,900	47.08
10237	Methyl Iodide	74-88-4	170	U 170	290	47.08
10237	Methyl Methacrylate	80-62-6	58	U 58	290	47.08
10237	4-Methyl-2-pentanone	108-10-1	170	U 170	580	47.08
10237	Methylene Chloride	75-09-2	120	U 120	290	47.08
10237	Pentachloroethane	76-01-7	58	U 58	290	47.08
10237	Propionitrile	107-12-0	1,700	U 1,700	5,800	47.08
10237	Styrene	100-42-5	58	U 58	290	47.08
10237	1,1,1,2-Tetrachloroethane	630-20-6	58	U 58	290	47.08
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	58	U 58	290	47.08
10237	Tetrachloroethene	127-18-4	58	U 58	290	47.08
10237	Toluene	108-88-3	58	U 58	290	47.08
10237	1,1,1-Trichloroethane	71-55-6	58	U 58	290	47.08
10237	1,1,2-Trichloroethane	79-00-5	58	U 58	290	47.08
10237	Trichloroethene	79-01-6	58	U 58	290	47.08
10237	Trichlorofluoromethane	75-69-4	120	U 120	290	47.08

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700485
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10AA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	58	U 58	290	47.08
10237	Vinyl Acetate	108-05-4	120	U 120	580	47.08
10237	Vinyl Chloride	75-01-4	58	U 58	290	47.08
10237	Xylene (Total)	1330-20-7	58	U 58	290	47.08
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	18.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 05:03	Stephanie A Selis	47.08
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143421356501	12/08/2014 10:25	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143421356501	12/08/2014 10:25	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143421356501	12/08/2014 10:25	Stephanie A Sanchez	1
00111	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700486
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D10AB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	8	J 4	21	1
10726	Acenaphthylene	208-96-8	4	U 4	21	1
10726	Acetophenone	98-86-2	20	U 20	41	1
10726	2-Acetylaminofluorene	53-96-3	82	U 82	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	610	1
10726	Aniline	62-53-3	200	U 200	610	1
10726	Anthracene	120-12-7	17	J 4	21	1
10726	Benzo(a)anthracene	56-55-3	38	U 4	21	1
10726	Benzo(a)pyrene	50-32-8	33	U 4	21	1
10726	Benzo(b)fluoranthene	205-99-2	44	U 4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	22	U 4	21	1
10726	Benzo(k)fluoranthene	207-08-9	23	U 4	21	1
10726	Benzyl alcohol	100-51-6	200	U 200	610	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	41	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	41	1
10726	Butylbenzylphthalate	85-68-7	82	U 82	200	1
10726	Di-n-butylphthalate	84-74-2	82	U 82	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	41	1
10726	4-Chloroaniline	106-47-8	20	U 20	41	1
10726	Chlorobenzilate	510-15-6	41	U 41	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	41	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	9	U 9	40	1
10726	2-Chlorophenol	95-57-8	20	U 20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	41	1
10726	Chrysene	218-01-9	38	U 4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41	U 41	200	1
10726	Dibenz(a,h)anthracene	53-70-3	8	J 4	21	1
10726	Dibenzofuran	132-64-9	20	U 20	41	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	41	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	41	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	410	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	41	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	41	1
10726	Diethylphthalate	84-66-2	82	U 82	200	1
10726	Dimethoate	60-51-5	200	U 200	610	1
10726	p-Dimethylaminoazobenzene	60-11-7	82	U 82	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	610	U 610	1,200	1
10726	2,4-Dimethylphenol	105-67-9	20	U 20	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	610	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	200	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700486
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D10AB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	20	U 20	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	77	4	21	1
10726	Fluorene	86-73-7	10	J 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	610	1
10726	Hexachloroethane	67-72-1	41	U 41	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	19	J 4	21	1
10726	Isodrin	465-73-6	20	U 20	41	1
10726	Isophorone	78-59-1	20	U 20	41	1
10726	Isosafrole	120-58-1	82	U 82	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,100	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	20	U 20	41	1
10726	4-Methylphenol	106-44-5	20	U 20	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	9	J 4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	610	1
10726	2-Naphthylamine	91-59-8	200	U 200	610	1
10726	2-Nitroaniline	88-74-4	20	U 20	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	200	1
10726	4-Nitroaniline	100-01-6	82	U 82	200	1
10726	Nitrobenzene	98-95-3	20	U 20	41	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	610	1
10726	2-Nitrophenol	88-75-5	20	U 20	41	1
10726	4-Nitrophenol	100-02-7	200	U 200	610	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	200	1
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	41	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700486
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D10AB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	200	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	41	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	200	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	200	1
10726	Phenanthrene	85-01-8	64	4	21	1
10726	Phenol	108-95-2	20	U 20	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	200	1
10726	Pyrene	129-00-0	58	4	21	1
10726	Pyridine	110-86-1	82	U 82	200	1
10726	Safrole	94-59-7	82	U 82	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	200	1
10726	Thionazin	297-97-2	82	U 82	200	1
10726	o-Toluidine	95-53-4	240	U 240	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	610	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.1 U	6.1
12925	Ethylene glycol	107-21-1	6.1 U	6.1
12925	Propylene glycol	57-55-6	6.1 U	6.1
12925	Triethylene glycol	112-27-6	6.1 U	6.1
	SM 2540 G-1997	%	%	%
00118	Moisture	n.a.	18.5	0.50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ISM 2014

LL Sample # SW 7700486
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10AB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14343SLC026	12/15/2014 20:42	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14343SLC026	12/09/2014 19:00	Nicholas W Shroyer	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 23:46	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ITRC
ISM 2014

LL Sample # SW 7700487
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D10AC

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.4 U	4.4	21	1
10885	PCB-1221	11104-28-2	5.6 U	5.6	21	1
10885	PCB-1232	11141-16-5	9.8 U	9.8	21	1
10885	PCB-1242	53469-21-9	4.0 U	4.0	21	1
10885	PCB-1248	12672-29-6	4.0 U	4.0	21	1
10885	PCB-1254	11097-69-1	4.0 U	4.0	21	1
10885	PCB-1260	11096-82-5	6.0 U	6.0	21	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	53.5	0.0389	1.18	1
06947	Beryllium	7440-41-7	1.36	0.0790	1.18	1
06949	Cadmium	7440-43-9	0.0389 U	0.0389	1.18	1
06951	Chromium	7440-47-3	8.07	0.130	3.54	1
06952	Cobalt	7440-48-4	3.28	0.113	1.18	1
06953	Copper	7440-50-8	6.45	0.389	2.36	1
06961	Nickel	7440-02-0	35.3	0.177	2.36	1
06966	Silver	7440-22-4	0.224 U	0.224	1.18	1
06969	Tin	7440-31-5	3.57 J	0.507	23.6	1
06971	Vanadium	7440-62-2	20.8	0.107	1.18	1
06972	Zinc	7440-66-6	44.1	0.307	4.72	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.155 J	0.0996	0.472	2
06125	Arsenic	7440-38-2	2.20	0.101	0.944	2
06135	Lead	7439-92-1	17.6	0.0151	0.472	2
06141	Selenium	7782-49-2	0.566 J	0.118	0.944	2
06145	Thallium	7440-28-0	0.349	0.0354	0.236	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0323 J	0.0121	0.243	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	18.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10A Soil
ITRC
ISM 2014

LL Sample # SW 7700487
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D10AC

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143440013A	12/12/2014 08:56	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143440013A	12/10/2014 19:35	Sally L Appleyard	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:15	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:37	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:37	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:37	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:37	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:37	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:43	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700488
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10BA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	400	U 400	1,200	50.2
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,800	50.2
10237	Acrolein	107-02-8	1,200	U 1,200	5,800	50.2
10237	Acrylonitrile	107-13-1	230	U 230	1,200	50.2
10237	Allyl Chloride	107-05-1	58	U 58	290	50.2
10237	Benzene	71-43-2	29	U 29	290	50.2
10237	Bromodichloromethane	75-27-4	58	U 58	290	50.2
10237	Bromoform	75-25-2	58	U 58	290	50.2
10237	Bromomethane	74-83-9	120	U 120	290	50.2
10237	2-Butanone	78-93-3	230	U 230	580	50.2
10237	Carbon Disulfide	75-15-0	58	U 58	290	50.2
10237	Carbon Tetrachloride	56-23-5	58	U 58	290	50.2
10237	2-Chloro-1,3-butadiene	126-99-8	58	U 58	290	50.2
10237	Chlorobenzene	108-90-7	58	U 58	290	50.2
10237	Chloroethane	75-00-3	120	U 120	290	50.2
10237	Chloroform	67-66-3	58	U 58	290	50.2
10237	Chloromethane	74-87-3	120	U 120	290	50.2
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	290	50.2
10237	Dibromochloromethane	124-48-1	58	U 58	290	50.2
10237	1,2-Dibromoethane	106-93-4	58	U 58	290	50.2
10237	Dibromomethane	74-95-3	58	U 58	290	50.2
10237	trans-1,4-Dichloro-2-butene	110-57-6	580	U 580	2,900	50.2
10237	Dichlorodifluoromethane	75-71-8	120	U 120	290	50.2
10237	1,1-Dichloroethane	75-34-3	58	U 58	290	50.2
10237	1,2-Dichloroethane	107-06-2	58	U 58	290	50.2
10237	1,1-Dichloroethene	75-35-4	58	U 58	290	50.2
10237	cis-1,2-Dichloroethene	156-59-2	58	U 58	290	50.2
10237	trans-1,2-Dichloroethene	156-60-5	58	U 58	290	50.2
10237	1,2-Dichloropropane	78-87-5	58	U 58	290	50.2
10237	cis-1,3-Dichloropropene	10061-01-5	58	U 58	290	50.2
10237	trans-1,3-Dichloropropene	10061-02-6	58	U 58	290	50.2
10237	Ethyl Methacrylate	97-63-2	58	U 58	290	50.2
10237	Ethylbenzene	100-41-4	58	U 58	290	50.2
10237	2-Hexanone	591-78-6	170	U 170	580	50.2
10237	Isobutyl Alcohol	78-83-1	5,800	U 5,800	14,000	50.2
10237	Methacrylonitrile	126-98-7	290	U 290	2,900	50.2
10237	Methyl Iodide	74-88-4	170	U 170	290	50.2
10237	Methyl Methacrylate	80-62-6	58	U 58	290	50.2
10237	4-Methyl-2-pentanone	108-10-1	170	U 170	580	50.2
10237	Methylene Chloride	75-09-2	120	U 120	290	50.2
10237	Pentachloroethane	76-01-7	58	U 58	290	50.2
10237	Propionitrile	107-12-0	1,700	U 1,700	5,800	50.2
10237	Styrene	100-42-5	58	U 58	290	50.2
10237	1,1,1,2-Tetrachloroethane	630-20-6	58	U 58	290	50.2
10237	1,1,1,2-Tetrachloroethane	79-34-5	58	U 58	290	50.2
10237	Tetrachloroethene	127-18-4	58	U 58	290	50.2
10237	Toluene	108-88-3	58	U 58	290	50.2
10237	1,1,1-Trichloroethane	71-55-6	58	U 58	290	50.2
10237	1,1,2-Trichloroethane	79-00-5	58	U 58	290	50.2
10237	Trichloroethene	79-01-6	58	U 58	290	50.2
10237	Trichlorofluoromethane	75-69-4	120	U 120	290	50.2

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700488
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10BA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	58	U 58	290	50.2
10237	Vinyl Acetate	108-05-4	120	U 120	580	50.2
10237	Vinyl Chloride	75-01-4	58	U 58	290	50.2
10237	Xylene (Total)	1330-20-7	58	U 58	290	50.2
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 05:50	Stephanie A Selis	50.2
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143421356501	12/08/2014 10:30	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143421356501	12/08/2014 10:30	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143421356501	12/08/2014 10:30	Stephanie A Sanchez	1
00111	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700489
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D10BB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	4	J 4	19	1
10726	Benzo(a)anthracene	56-55-3	22	4	19	1
10726	Benzo(a)pyrene	50-32-8	22	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	31	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	17	J 4	19	1
10726	Benzo(k)fluoranthene	207-08-9	15	J 4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	20	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	6	J 4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700489
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10BB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	34	4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	18	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700489
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D10BB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	17	J 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	31	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.1	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ISM 2014

LL Sample # SW 7700489
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10BB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/17/2014 23:21	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 00:01	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ITRC
ISM 2014

LL Sample # SW 7700490
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

D10BC

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	20	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	20	1
10885	PCB-1232	11141-16-5	9.2 U	9.2	20	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	20	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	20	1
10885	PCB-1254	11097-69-1	7.4 J	3.8	20	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	63.4	0.0369	1.12	1
06947	Beryllium	7440-41-7	1.37	0.0749	1.12	1
06949	Cadmium	7440-43-9	0.0369 U	0.0369	1.12	1
06951	Chromium	7440-47-3	16.2	0.123	3.35	1
06952	Cobalt	7440-48-4	3.85	0.107	1.12	1
06953	Copper	7440-50-8	8.35	0.369	2.23	1
06961	Nickel	7440-02-0	58.3	0.168	2.23	1
06966	Silver	7440-22-4	0.212 U	0.212	1.12	1
06969	Tin	7440-31-5	3.52 J	0.480	22.3	1
06971	Vanadium	7440-62-2	22.9	0.102	1.12	1
06972	Zinc	7440-66-6	44.0	0.290	4.47	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.203 J	0.0943	0.447	2
06125	Arsenic	7440-38-2	2.49	0.0954	0.894	2
06135	Lead	7439-92-1	16.3	0.0143	0.447	2
06141	Selenium	7782-49-2	0.496 J	0.112	0.894	2
06145	Thallium	7440-28-0	0.379	0.0335	0.223	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0335 J	0.0113	0.225	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.1	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10B Soil
ITRC
ISM 2014

LL Sample # SW 7700490
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:55 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D10BC

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143440013A	12/12/2014 09:07	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143440013A	12/10/2014 19:35	Sally L Appleyard	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:19	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:39	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:39	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:39	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:39	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:39	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:45	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700491
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	360	U 360	1,000	45.77
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,200	45.77
10237	Acrolein	107-02-8	1,000	U 1,000	5,200	45.77
10237	Acrylonitrile	107-13-1	210	U 210	1,000	45.77
10237	Allyl Chloride	107-05-1	52	U 52	260	45.77
10237	Benzene	71-43-2	26	U 26	260	45.77
10237	Bromodichloromethane	75-27-4	52	U 52	260	45.77
10237	Bromoform	75-25-2	52	U 52	260	45.77
10237	Bromomethane	74-83-9	100	U 100	260	45.77
10237	2-Butanone	78-93-3	210	U 210	520	45.77
10237	Carbon Disulfide	75-15-0	52	U 52	260	45.77
10237	Carbon Tetrachloride	56-23-5	52	U 52	260	45.77
10237	2-Chloro-1,3-butadiene	126-99-8	52	U 52	260	45.77
10237	Chlorobenzene	108-90-7	52	U 52	260	45.77
10237	Chloroethane	75-00-3	100	U 100	260	45.77
10237	Chloroform	67-66-3	52	U 52	260	45.77
10237	Chloromethane	74-87-3	100	U 100	260	45.77
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U 100	260	45.77
10237	Dibromochloromethane	124-48-1	52	U 52	260	45.77
10237	1,2-Dibromoethane	106-93-4	52	U 52	260	45.77
10237	Dibromomethane	74-95-3	52	U 52	260	45.77
10237	trans-1,4-Dichloro-2-butene	110-57-6	520	U 520	2,600	45.77
10237	Dichlorodifluoromethane	75-71-8	100	U 100	260	45.77
10237	1,1-Dichloroethane	75-34-3	52	U 52	260	45.77
10237	1,2-Dichloroethane	107-06-2	52	U 52	260	45.77
10237	1,1-Dichloroethene	75-35-4	52	U 52	260	45.77
10237	cis-1,2-Dichloroethene	156-59-2	52	U 52	260	45.77
10237	trans-1,2-Dichloroethene	156-60-5	52	U 52	260	45.77
10237	1,2-Dichloropropane	78-87-5	52	U 52	260	45.77
10237	cis-1,3-Dichloropropene	10061-01-5	52	U 52	260	45.77
10237	trans-1,3-Dichloropropene	10061-02-6	52	U 52	260	45.77
10237	Ethyl Methacrylate	97-63-2	52	U 52	260	45.77
10237	Ethylbenzene	100-41-4	52	U 52	260	45.77
10237	2-Hexanone	591-78-6	160	U 160	520	45.77
10237	Isobutyl Alcohol	78-83-1	5,200	U 5,200	13,000	45.77
10237	Methacrylonitrile	126-98-7	260	U 260	2,600	45.77
10237	Methyl Iodide	74-88-4	160	U 160	260	45.77
10237	Methyl Methacrylate	80-62-6	52	U 52	260	45.77
10237	4-Methyl-2-pentanone	108-10-1	160	U 160	520	45.77
10237	Methylene Chloride	75-09-2	100	U 100	260	45.77
10237	Pentachloroethane	76-01-7	52	U 52	260	45.77
10237	Propionitrile	107-12-0	1,600	U 1,600	5,200	45.77
10237	Styrene	100-42-5	52	U 52	260	45.77
10237	1,1,1,2-Tetrachloroethane	630-20-6	52	U 52	260	45.77
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	52	U 52	260	45.77
10237	Tetrachloroethene	127-18-4	52	U 52	260	45.77
10237	Toluene	108-88-3	52	U 52	260	45.77
10237	1,1,1-Trichloroethane	71-55-6	52	U 52	260	45.77
10237	1,1,2-Trichloroethane	79-00-5	52	U 52	260	45.77
10237	Trichloroethene	79-01-6	52	U 52	260	45.77
10237	Trichlorofluoromethane	75-69-4	100	U 100	260	45.77

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700491
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CA

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	52	U 52	260	45.77
10237	Vinyl Acetate	108-05-4	100	U 100	520	45.77
10237	Vinyl Chloride	75-01-4	52	U 52	260	45.77
10237	Xylene (Total)	1330-20-7	52	U 52	260	45.77
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	11.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 06:13	Stephanie A Selis	45.77
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143421356501	12/08/2014 10:35	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143421356501	12/08/2014 10:35	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143421356501	12/08/2014 10:35	Stephanie A Sanchez	1
00111	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700492
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	19	U 19	37	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	8	J 4	19	1
10726	Benzo(a)anthracene	56-55-3	24	4	19	1
10726	Benzo(a)pyrene	50-32-8	25	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	33	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	17	J 4	19	1
10726	Benzo(k)fluoranthene	207-08-9	15	J 4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	37	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	37	1
10726	4-Chloroaniline	106-47-8	19	U 19	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	37	1
10726	Chrysene	218-01-9	21	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	5	J 4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	37	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	37	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	37	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700492
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	19	U 19	37	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	44	4	19	1
10726	Fluorene	86-73-7	4	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	37	U 37	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	15	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	37	1
10726	Isophorone	78-59-1	19	U 19	37	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	37	1
10726	4-Methylphenol	106-44-5	19	U 19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	37	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	37	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	37	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700492
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CB

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	37	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	37	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	30	4	19	1
10726	Phenol	108-95-2	19	U 19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	190	1
10726	Pyrene	129-00-0	37	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	220	U 220	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.9	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ISM 2014

LL Sample # SW 7700492
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D10CB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/17/2014 23:45	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 00:16	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ITRC
ISM 2014

LL Sample # SW 7700493
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D10CC

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	6.4 J	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	63.0	0.0360	1.09	1
06947	Beryllium	7440-41-7	1.24	0.0731	1.09	1
06949	Cadmium	7440-43-9	0.0360 U	0.0360	1.09	1
06951	Chromium	7440-47-3	12.2	0.120	3.27	1
06952	Cobalt	7440-48-4	4.93	0.105	1.09	1
06953	Copper	7440-50-8	8.67	0.360	2.18	1
06961	Nickel	7440-02-0	38.6	0.164	2.18	1
06966	Silver	7440-22-4	0.207 U	0.207	1.09	1
06969	Tin	7440-31-5	3.54 J	0.469	21.8	1
06971	Vanadium	7440-62-2	26.8	0.0993	1.09	1
06972	Zinc	7440-66-6	47.1	0.284	4.37	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.587	0.0921	0.437	2
06125	Arsenic	7440-38-2	2.53	0.0932	0.873	2
06135	Lead	7439-92-1	20.8	0.0140	0.437	2
06141	Selenium	7782-49-2	0.589 J	0.109	0.873	2
06145	Thallium	7440-28-0	0.369	0.0327	0.218	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0423 J	0.0113	0.226	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.9	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-10C Soil
ITRC
ISM 2014

LL Sample # SW 7700493
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/02/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D10CC

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143440013A	12/12/2014 09:19	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143440013A	12/10/2014 19:35	Sally L Appleyard	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:30	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:46	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:46	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:46	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:46	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:46	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:47	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700494
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4B-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	420	U 420	1,200	53.11
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,000	53.11
10237	Acrolein	107-02-8	1,200	U 1,200	6,000	53.11
10237	Acrylonitrile	107-13-1	240	U 240	1,200	53.11
10237	Allyl Chloride	107-05-1	60	U 60	300	53.11
10237	Benzene	71-43-2	30	U 30	300	53.11
10237	Bromodichloromethane	75-27-4	60	U 60	300	53.11
10237	Bromoform	75-25-2	60	U 60	300	53.11
10237	Bromomethane	74-83-9	120	U 120	300	53.11
10237	2-Butanone	78-93-3	240	U 240	600	53.11
10237	Carbon Disulfide	75-15-0	60	U 60	300	53.11
10237	Carbon Tetrachloride	56-23-5	60	U 60	300	53.11
10237	2-Chloro-1,3-butadiene	126-99-8	60	U 60	300	53.11
10237	Chlorobenzene	108-90-7	60	U 60	300	53.11
10237	Chloroethane	75-00-3	120	U 120	300	53.11
10237	Chloroform	67-66-3	60	U 60	300	53.11
10237	Chloromethane	74-87-3	120	U 120	300	53.11
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	300	53.11
10237	Dibromochloromethane	124-48-1	60	U 60	300	53.11
10237	1,2-Dibromoethane	106-93-4	60	U 60	300	53.11
10237	Dibromomethane	74-95-3	60	U 60	300	53.11
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U 600	3,000	53.11
10237	Dichlorodifluoromethane	75-71-8	120	U 120	300	53.11
10237	1,1-Dichloroethane	75-34-3	60	U 60	300	53.11
10237	1,2-Dichloroethane	107-06-2	60	U 60	300	53.11
10237	1,1-Dichloroethene	75-35-4	60	U 60	300	53.11
10237	cis-1,2-Dichloroethene	156-59-2	60	U 60	300	53.11
10237	trans-1,2-Dichloroethene	156-60-5	60	U 60	300	53.11
10237	1,2-Dichloropropane	78-87-5	60	U 60	300	53.11
10237	cis-1,3-Dichloropropene	10061-01-5	60	U 60	300	53.11
10237	trans-1,3-Dichloropropene	10061-02-6	60	U 60	300	53.11
10237	Ethyl Methacrylate	97-63-2	60	U 60	300	53.11
10237	Ethylbenzene	100-41-4	60	U 60	300	53.11
10237	2-Hexanone	591-78-6	180	U 180	600	53.11
10237	Isobutyl Alcohol	78-83-1	6,000	U 6,000	15,000	53.11
10237	Methacrylonitrile	126-98-7	300	U 300	3,000	53.11
10237	Methyl Iodide	74-88-4	180	U 180	300	53.11
10237	Methyl Methacrylate	80-62-6	60	U 60	300	53.11
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	600	53.11
10237	Methylene Chloride	75-09-2	120	U 120	300	53.11
10237	Pentachloroethane	76-01-7	60	U 60	300	53.11
10237	Propionitrile	107-12-0	1,800	U 1,800	6,000	53.11
10237	Styrene	100-42-5	60	U 60	300	53.11
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U 60	300	53.11
10237	1,1,1,2-Tetrachloroethane	79-34-5	60	U 60	300	53.11
10237	Tetrachloroethene	127-18-4	60	U 60	300	53.11
10237	Toluene	108-88-3	60	U 60	300	53.11
10237	1,1,1-Trichloroethane	71-55-6	60	U 60	300	53.11
10237	1,1,2-Trichloroethane	79-00-5	60	U 60	300	53.11
10237	Trichloroethene	79-01-6	60	U 60	300	53.11
10237	Trichlorofluoromethane	75-69-4	670	120	300	53.11

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700494
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4B-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	60	U 60	300	53.11
10237	Vinyl Acetate	108-05-4	120	U 120	600	53.11
10237	Vinyl Chloride	75-01-4	60	U 60	300	53.11
10237	Xylene (Total)	1330-20-7	60	U 60	300	53.11
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 06:37	Stephanie A Selis	53.11
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143421356501	12/08/2014 10:15	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143421356501	12/08/2014 10:15	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143421356501	12/08/2014 10:15	Stephanie A Sanchez	1
00111	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700495
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4B-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	200	4	19	1
10726	Acenaphthylene	208-96-8	72	4	19	1
10726	Acetophenone	98-86-2	20	J 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	610	4	19	1
10726	Benzo(a)anthracene	56-55-3	1,600	4	19	1
10726	Benzo(a)pyrene	50-32-8	1,400	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	1,800	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	950	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	890	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	32	J 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	1,300	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	210	4	19	1
10726	Dibenzofuran	132-64-9	110	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	600	75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700495
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D4B-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	67	19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	J 75	190	1
10726	Fluoranthene	206-44-0	3,100	4	19	1
10726	Fluorene	86-73-7	280	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	830	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	47	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	110	4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700495
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4B-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	2,100	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	2,500	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ISM 2014

LL Sample # SW 7700495
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4B-2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 00:09	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 00:30	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ITRC
ISM 2014

LL Sample # SW 7700496
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D4B-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	34	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	93.2	0.0375	1.14	1
06947	Beryllium	7440-41-7	0.963 J	0.0761	1.14	1
06949	Cadmium	7440-43-9	0.0375 U	0.0375	1.14	1
06951	Chromium	7440-47-3	10.0	0.125	3.41	1
06952	Cobalt	7440-48-4	3.87	0.109	1.14	1
06953	Copper	7440-50-8	7.81	0.375	2.27	1
06961	Nickel	7440-02-0	28.8	0.170	2.27	1
06966	Silver	7440-22-4	26.4	0.216	1.14	1
06969	Tin	7440-31-5	3.49 J	0.489	22.7	1
06971	Vanadium	7440-62-2	23.8	0.103	1.14	1
06972	Zinc	7440-66-6	78.2	0.295	4.55	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.618	0.0959	0.455	2
06125	Arsenic	7440-38-2	2.74	0.0970	0.909	2
06135	Lead	7439-92-1	21.5	0.0146	0.455	2
06141	Selenium	7782-49-2	0.643 J	0.114	0.909	2
06145	Thallium	7440-28-0	0.400	0.0341	0.227	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0308 J	0.0112	0.225	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4B Soil
ITRC
ISM 2014

LL Sample # SW 7700496
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D4B-3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143440013A	12/12/2014 09:31	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143440013A	12/10/2014 19:35	Sally L Appleyard	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:34	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:48	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:48	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:48	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:48	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:48	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:53	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700497
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25
Reported: 12/18/2014 14:59

D4C-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	370	U 370	1,100	47.28
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,300	47.28
10237	Acrolein	107-02-8	1,100	U 1,100	5,300	47.28
10237	Acrylonitrile	107-13-1	210	U 210	1,100	47.28
10237	Allyl Chloride	107-05-1	53	U 53	260	47.28
10237	Benzene	71-43-2	26	U 26	260	47.28
10237	Bromodichloromethane	75-27-4	53	U 53	260	47.28
10237	Bromoform	75-25-2	53	U 53	260	47.28
10237	Bromomethane	74-83-9	110	U 110	260	47.28
10237	2-Butanone	78-93-3	210	U 210	530	47.28
10237	Carbon Disulfide	75-15-0	53	U 53	260	47.28
10237	Carbon Tetrachloride	56-23-5	53	U 53	260	47.28
10237	2-Chloro-1,3-butadiene	126-99-8	53	U 53	260	47.28
10237	Chlorobenzene	108-90-7	53	U 53	260	47.28
10237	Chloroethane	75-00-3	110	U 110	260	47.28
10237	Chloroform	67-66-3	53	U 53	260	47.28
10237	Chloromethane	74-87-3	110	U 110	260	47.28
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	260	47.28
10237	Dibromochloromethane	124-48-1	53	U 53	260	47.28
10237	1,2-Dibromoethane	106-93-4	53	U 53	260	47.28
10237	Dibromomethane	74-95-3	53	U 53	260	47.28
10237	trans-1,4-Dichloro-2-butene	110-57-6	530	U 530	2,600	47.28
10237	Dichlorodifluoromethane	75-71-8	110	U 110	260	47.28
10237	1,1-Dichloroethane	75-34-3	53	U 53	260	47.28
10237	1,2-Dichloroethane	107-06-2	53	U 53	260	47.28
10237	1,1-Dichloroethene	75-35-4	70	J 53	260	47.28
10237	cis-1,2-Dichloroethene	156-59-2	53	U 53	260	47.28
10237	trans-1,2-Dichloroethene	156-60-5	53	U 53	260	47.28
10237	1,2-Dichloropropane	78-87-5	53	U 53	260	47.28
10237	cis-1,3-Dichloropropene	10061-01-5	53	U 53	260	47.28
10237	trans-1,3-Dichloropropene	10061-02-6	53	U 53	260	47.28
10237	Ethyl Methacrylate	97-63-2	53	U 53	260	47.28
10237	Ethylbenzene	100-41-4	53	U 53	260	47.28
10237	2-Hexanone	591-78-6	160	U 160	530	47.28
10237	Isobutyl Alcohol	78-83-1	5,300	U 5,300	13,000	47.28
10237	Methacrylonitrile	126-98-7	260	U 260	2,600	47.28
10237	Methyl Iodide	74-88-4	160	U 160	260	47.28
10237	Methyl Methacrylate	80-62-6	53	U 53	260	47.28
10237	4-Methyl-2-pentanone	108-10-1	160	U 160	530	47.28
10237	Methylene Chloride	75-09-2	110	U 110	260	47.28
10237	Pentachloroethane	76-01-7	53	U 53	260	47.28
10237	Propionitrile	107-12-0	1,600	U 1,600	5,300	47.28
10237	Styrene	100-42-5	53	U 53	260	47.28
10237	1,1,1,2-Tetrachloroethane	630-20-6	53	U 53	260	47.28
10237	1,1,2,2-Tetrachloroethane	79-34-5	53	U 53	260	47.28
10237	Tetrachloroethene	127-18-4	53	U 53	260	47.28
10237	Toluene	108-88-3	53	U 53	260	47.28
10237	1,1,1-Trichloroethane	71-55-6	53	U 53	260	47.28
10237	1,1,2-Trichloroethane	79-00-5	53	U 53	260	47.28
10237	Trichloroethene	79-01-6	53	U 53	260	47.28
10237	Trichlorofluoromethane	75-69-4	680	110	260	47.28

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700497
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4C-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	53	U 53	260	47.28
10237	Vinyl Acetate	108-05-4	110	U 110	530	47.28
10237	Vinyl Chloride	75-01-4	53	U 53	260	47.28
10237	Xylene (Total)	1330-20-7	53	U 53	260	47.28
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	10.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 07:00	Stephanie A Selis	47.28
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143421356501	12/08/2014 10:20	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143421356501	12/08/2014 10:20	Stephanie A Sanchez	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143421356501	12/08/2014 10:20	Stephanie A Sanchez	1
00111	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700498
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4C-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	80	4	19	1
10726	Acenaphthylene	208-96-8	58	4	19	1
10726	Acetophenone	98-86-2	21	J 19	37	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	280	4	19	1
10726	Benzo(a)anthracene	56-55-3	770	4	19	1
10726	Benzo(a)pyrene	50-32-8	720	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	950	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	500	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	370	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	37	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	37	1
10726	4-Chloroaniline	106-47-8	19	U 19	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	37	1
10726	Chrysene	218-01-9	700	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	110	4	19	1
10726	Dibenzofuran	132-64-9	51	19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	37	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	37	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	37	1
10726	Dimethylphthalate	131-11-3	99	J 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700498
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4C-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	19	U 19	37	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	1,600	4	19	1
10726	Fluorene	86-73-7	130	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	37	U 37	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	470	4	19	1
10726	Isodrin	465-73-6	19	U 19	37	1
10726	Isophorone	78-59-1	19	U 19	37	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	37	1
10726	2-Methylnaphthalene	91-57-6	19	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	37	1
10726	4-Methylphenol	106-44-5	19	U 19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	41	4	19	1
10726	1,4-Naphthoquinone	130-15-4	930	U 930	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	37	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	37	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	37	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700498
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4C-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	37	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	37	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	1,000	4	19	1
10726	Phenol	108-95-2	19	U 19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	190	1
10726	Pyrene	129-00-0	1,200	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	220	U 220	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ISM 2014

LL Sample # SW 7700498
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4C-2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14350SLB026	12/18/2014 00:33	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14350SLB026	12/16/2014 19:00	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014 00:45	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014 20:10	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ITRC
ISM 2014

LL Sample # SW 7700499
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

D4C-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.0 U	4.0	19	1
10885	PCB-1221	11104-28-2	5.1 U	5.1	19	1
10885	PCB-1232	11141-16-5	8.9 U	8.9	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	22	3.7	19	1
10885	PCB-1260	11096-82-5	12 J	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	96.1	0.0352	1.07	1
06947	Beryllium	7440-41-7	0.881 J	0.0714	1.07	1
06949	Cadmium	7440-43-9	0.0682 J	0.0352	1.07	1
06951	Chromium	7440-47-3	7.16	0.117	3.20	1
06952	Cobalt	7440-48-4	3.71	0.102	1.07	1
06953	Copper	7440-50-8	8.57	0.352	2.13	1
06961	Nickel	7440-02-0	17.2	0.160	2.13	1
06966	Silver	7440-22-4	34.3	0.202	1.07	1
06969	Tin	7440-31-5	3.14 J	0.458	21.3	1
06971	Vanadium	7440-62-2	20.4	0.0969	1.07	1
06972	Zinc	7440-66-6	79.1	0.277	4.26	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.413 J	0.0899	0.426	2
06125	Arsenic	7440-38-2	2.59	0.0910	0.852	2
06135	Lead	7439-92-1	16.6	0.0137	0.426	2
06141	Selenium	7782-49-2	0.637 J	0.107	0.852	2
06145	Thallium	7440-28-0	0.447	0.0320	0.213	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0270 J	0.0104	0.209	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-4C Soil
ITRC
ISM 2014

LL Sample # SW 7700499
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:40 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/05/2014 22:25

URS Corporation

Reported: 12/18/2014 14:59

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

D4C-3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143440013A	12/12/2014 09:42	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143440013A	12/10/2014 19:35	Sally L Appleyard	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014 11:38	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014 07:51	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014 07:51	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014 07:51	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014 07:51	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014 07:51	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014 06:55	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014 08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014 09:36	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14345820005B	12/11/2014 20:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-120114 Other Liquid
ISM 2014

LL Sample # G5 7700500
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-120114 Other Liquid
ISM 2014

LL Sample # G5 7700500
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/01/2014 15:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 03:53	Stephanie A Selis	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434236366	12/01/2014 15:20	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-120414 Other Liquid
ISM 2014

LL Sample # G5 7700501
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-120414 Other Liquid
ISM 2014

LL Sample # G5 7700501
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/04/2014 08:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 04:16	Stephanie A Selis	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434236366	12/04/2014 08:30	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-120314 Other Liquid
ISM 2014

LL Sample # G5 7700502
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/03/2014 09:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-120314 Other Liquid
ISM 2014

LL Sample # G5 7700502
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/03/2014 09:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/04/14 at 09:45.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143461AA	12/13/2014 04:40	Stephanie A Selis	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434236366	12/03/2014 09:10	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-120314 Blank Water**
ISM 2014

LL Sample # **WW 7700503**
LL Group # **1523520**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-120314 Blank Water**
ISM 2014

LL Sample # **WW 7700503**
LL Group # **1523520**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	20	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	4	J	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-120314 Blank Water**
ISM 2014

LL Sample # **WW 7700503**
LL Group # **1523520**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Fluoranthene	206-44-0	0.1 U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1 U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1 U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	15 U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1 U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	Naphthalene	91-20-3	0.1 U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25 U	25	61	1
10461	1-Naphthylamine	134-32-7	5 U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-120314 Blank Water**
ISM 2014

LL Sample # **WW 7700503**
LL Group # **1523520**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
Pesticides/PCBs	SW-846 8082A		ug/l		ug/l	ug/l	
10591	PCB-1016	12674-11-2	0.10	U	0.10	0.50	1
10591	PCB-1221	11104-28-2	0.10	U	0.10	0.50	1
10591	PCB-1232	11141-16-5	0.20	U	0.20	0.50	1
10591	PCB-1242	53469-21-9	0.10	U	0.10	0.50	1
10591	PCB-1248	12672-29-6	0.10	U	0.10	0.50	1
10591	PCB-1254	11097-69-1	0.10	U	0.10	0.50	1
10591	PCB-1260	11096-82-5	0.15	U	0.15	0.50	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/l		mg/l	mg/l	
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0016	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-120314 Blank Water**
ISM 2014

LL Sample # **WW 7700503**
LL Group # **1523520**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07049	Cadmium	7440-43-9	0.00033 U	0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0132 J	0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0022 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was submitted to the laboratory on 12/04/14 at 09:45.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143422AA	12/09/2014 00:41	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143422AA	12/09/2014 00:41	Amanda K Richards	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14339WAZ026	12/08/2014 23:46	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14339WAZ026	12/05/2014 09:30	David S Schrum	1
10591	PCBs	SW-846 8082A	1	143390006A	12/08/2014 12:38	Monica M Souders	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	143390006A	12/05/2014 17:20	JoElla L Rice	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143460024A	12/12/2014 19:24	Tracy A Cole	1
07046	Barium	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1
07047	Beryllium	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1
07049	Cadmium	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1
07051	Chromium	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1
07052	Cobalt	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1
07053	Copper	SW-846 6010C	1	143430636001	12/11/2014 03:35	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-120314 Blank Water
ISM 2014

LL Sample # WW 7700503
LL Group # 1523520
Account # 06643

Project Name: BRE - ISM

Collected: 12/03/2014 09:01 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/05/2014 22:25

Reported: 12/18/2014 14:59

D4CE3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07061	Nickel	SW-846 6010C	1	143430636001	12/11/2014	03:35	Tara L Snyder	1
07066	Silver	SW-846 6010C	1	143430636001	12/11/2014	03:35	Tara L Snyder	1
07069	Tin	SW-846 6010C	1	143430636001	12/11/2014	03:35	Tara L Snyder	1
07071	Vanadium	SW-846 6010C	1	143430636001	12/11/2014	03:35	Tara L Snyder	1
07072	Zinc	SW-846 6010C	1	143430636001	12/11/2014	03:35	Tara L Snyder	1
06024	Antimony	SW-846 6020A	1	143430639001A	12/10/2014	06:54	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143430639001A	12/10/2014	06:54	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143430639001A	12/10/2014	06:54	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143430639001B	12/10/2014	06:54	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143430639001A	12/10/2014	06:54	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143435713004	12/10/2014	09:06	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143430636001	12/09/2014	15:23	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143430639001	12/09/2014	15:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143435713004	12/09/2014	16:40	James L Mertz	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143461AA	Sample number(s): 7700485,7700488,7700491,7700494,7700497,7700500-7700502								
Acetone	350	350.	1,000	ug/kg	89	82	53-141	9	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	91	89	61-147	3	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	85	77	58-122	9	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	86	81	58-123	5	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	110	102	61-132	7	30
Benzene	25	U 25.	250	ug/kg	100	93	80-120	8	30
Bromodichloromethane	50	U 50.	250	ug/kg	100	93	75-120	7	30
Bromoform	50	U 50.	250	ug/kg	93	88	70-126	5	30
Bromomethane	100	100.	250	ug/kg	137	123	32-162	11	30
	U								
2-Butanone	200	200.	500	ug/kg	91	85	62-123	7	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	87	80	63-128	9	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	109	99	69-130	9	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	104	97	73-120	7	30
Chlorobenzene	50	U 50.	250	ug/kg	102	94	80-120	9	30
Chloroethane	100	100.	250	ug/kg	112	96	17-171	15	30
	U								
Chloroform	50	U 50.	250	ug/kg	108	100	80-125	8	30
Chloromethane	100	100.	250	ug/kg	92	83	56-120	10	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	96	88	59-122	9	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	98	91	77-120	8	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	103	96	80-120	7	30
Dibromomethane	50	U 50.	250	ug/kg	102	92	80-120	10	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	124	114	70-128	8	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	73	54	26-137	30	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	105	97	80-122	7	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	116	109	77-130	7	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	98	89	73-129	9	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	101	94	80-120	7	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	102	94	80-129	8	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	100	94	80-120	6	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	99	95	74-120	4	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	105	99	76-120	6	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	96	90	65-120	7	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50 U	50.	250	ug/kg	100	93	80-120	7	30
2-Hexanone	150 U	150.	500	ug/kg	99	94	51-120	5	30
Isobutyl Alcohol	5,000 U	5,000.	13,000	ug/kg	104	100	64-121	3	30
Methacrylonitrile	250 U	250.	2,500	ug/kg	96	90	73-127	6	30
Methyl Iodide	150 U	150.	250	ug/kg	102	94	72-130	8	30
Methyl Methacrylate	50 U	50.	250	ug/kg	93	91	60-120	2	30
4-Methyl-2-pentanone	150 U	150.	500	ug/kg	91	87	57-123	4	30
Methylene Chloride	100 U	100.	250	ug/kg	105	94	80-124	11	30
Pentachloroethane	50 U	50.	250	ug/kg	102	93	71-120	8	30
Propionitrile	1,500 U	1,500.	5,000	ug/kg	94	92	63-131	3	30
Styrene	50 U	50.	250	ug/kg	100	90	76-120	10	30
1,1,1,2-Tetrachloroethane	50 U	50.	250	ug/kg	103	94	80-120	8	30
1,1,2,2-Tetrachloroethane	50 U	50.	250	ug/kg	98	88	71-123	11	30
Tetrachloroethene	50 U	50.	250	ug/kg	101	93	78-120	8	30
Toluene	50 U	50.	250	ug/kg	100	96	80-120	5	30
1,1,1-Trichloroethane	50 U	50.	250	ug/kg	114	104	63-135	9	30
1,1,2-Trichloroethane	50 U	50.	250	ug/kg	100	92	80-120	9	30
Trichloroethene	50 U	50.	250	ug/kg	106	98	80-125	8	30
Trichlorofluoromethane	100 U	100.	250	ug/kg	102	88	58-133	15	30
1,2,3-Trichloropropane	50 U	50.	250	ug/kg	107	101	71-123	7	30
Vinyl Acetate	100 U	100.	500	ug/kg	71	69	40-127	3	30
Vinyl Chloride	50 U	50.	250	ug/kg	92	82	59-120	11	30
Xylene (Total)	50 U	50.	250	ug/kg	100	91	80-120	10	30

Batch number: Y143422AA

Sample number(s): 7700503

Acetone	6 U	6.	20	ug/l	69	69	55-129	0	30
Acetonitrile	25 U	25.	100	ug/l	125	126	49-163	1	30
Acrolein	40 U	40.	100	ug/l	86	87	59-120	1	30
Acrylonitrile	4 U	4.	20	ug/l	71	73	62-120	3	30
Allyl Chloride	1 U	1.	5	ug/l	122*	129*	56-120	5	30
Benzene	0.5 U	0.5	1	ug/l	103	105	78-120	2	30
Bromodichloromethane	0.5 U	0.5	1	ug/l	108	111	73-120	2	30
Bromoform	0.5 U	0.5	4	ug/l	100	102	61-120	2	30
Bromomethane	0.5 U	0.5	1	ug/l	109	114	53-130	4	30
2-Butanone	3 U	3.	10	ug/l	69	71	54-133	2	30
Carbon Disulfide	1 U	1.	5	ug/l	98	102	58-126	4	30
Carbon Tetrachloride	0.5 U	0.5	1	ug/l	127	129	74-130	2	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/l	107	111	73-120	4	30
Chlorobenzene	0.5 U	0.5	1	ug/l	105	107	80-120	2	30
Chloroethane	0.5 U	0.5	1	ug/l	103	105	56-120	2	30
Chloroform	0.5 U	0.5	1	ug/l	113	116	80-122	2	30
Chloromethane	0.5 U	0.5	1	ug/l	103	105	63-120	3	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/l	67	66	56-120	2	30
Dibromochloromethane	0.5 U	0.5	1	ug/l	112	113	72-120	1	30
1,2-Dibromoethane	0.5 U	0.5	1	ug/l	101	102	80-120	2	30
Dibromomethane	0.5 U	0.5	1	ug/l	103	104	80-120	1	30
trans-1,4-Dichloro-2-butene	15 U	15.	50	ug/l	85	84	47-139	1	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Analysis Name	Blank		Blank		Report	LCS	LCSD	LCS/LCSD	RPD	RPD
	Result	U	MDL**	LOQ						
Dichlorodifluoromethane	0.5	U	0.5	1	ug/l	100	103	55-127	2	30
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	107	112	80-120	4	30
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	121	124	65-135	3	30
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	112	115	76-124	2	30
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	105	107	80-120	2	30
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	115	119	80-120	4	30
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	102	104	80-120	2	30
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	95	99	80-120	3	30
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	97	99	76-120	2	30
Ethyl Methacrylate	1	U	1.	5	ug/l	85	87	73-120	2	30
Ethylbenzene	0.5	U	0.5	1	ug/l	103	104	79-120	1	30
2-Hexanone	3	U	3.	10	ug/l	73	74	57-127	1	30
Isobutyl Alcohol	100	U	100.	250	ug/l	93	93	63-134	0	30
Methacrylonitrile	10	U	10.	50	ug/l	78	80	75-120	2	30
Methyl Iodide	0.5	U	0.5	1	ug/l	120	123	75-128	3	30
Methyl Methacrylate	1	U	1.	5	ug/l	81	83	71-120	3	30
4-Methyl-2-pentanone	3	U	3.	10	ug/l	77	79	51-124	2	30
Methylene Chloride	2	U	2.	4	ug/l	107	110	80-120	3	30
Pentachloroethane	1	U	1.	5	ug/l	101	100	74-120	1	30
Propionitrile	30	U	30.	100	ug/l	88	89	73-133	1	30
Styrene	1	U	1.	5	ug/l	106	107	80-120	1	30
1,1,1,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	114	116	80-120	2	30
1,1,2,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	80	81	70-120	1	30
Tetrachloroethene	0.5	U	0.5	1	ug/l	118	119	80-120	1	30
Toluene	0.5	U	0.5	1	ug/l	103	105	80-120	2	30
1,1,1-Trichloroethane	0.5	U	0.5	1	ug/l	106	109	66-126	2	30
1,1,2-Trichloroethane	0.5	U	0.5	1	ug/l	102	102	80-120	0	30
Trichloroethene	0.5	U	0.5	1	ug/l	109	112	80-120	3	30
Trichlorofluoromethane	0.5	U	0.5	1	ug/l	126	127	58-135	1	30
1,2,3-Trichloropropane	1	U	1.	5	ug/l	82	82	76-120	1	30
Vinyl Acetate	2	U	2.	10	ug/l	101	99	56-135	2	30
Vinyl Chloride	0.5	U	0.5	1	ug/l	94	98	63-120	4	30
Xylene (Total)	0.5	U	0.5	1	ug/l	104	106	80-120	1	30
Batch number: 14339WAZ026 Sample number(s): 7700503										
Acenaphthene	0.1	U	0.1	0.5	ug/l	94		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	94		84-125		
Acetophenone	0.5	U	0.5	1	ug/l	91		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	108		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	58		34-95		
Aniline	0.5	U	0.5	1	ug/l	53		34-97		
Anthracene	0.1	U	0.1	0.5	ug/l	95		82-116		
Benzo(a)anthracene	0.1	U	0.1	0.5	ug/l	95		81-126		
Benzo(a)pyrene	0.1	U	0.1	0.5	ug/l	94		82-116		
Benzo(b)fluoranthene	0.1	U	0.1	0.5	ug/l	89		82-121		
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/l	95		76-128		
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/l	93		81-122		
Benzyl alcohol	10	U	10.	20	ug/l	84		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	90		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	95		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	96		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	92		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	91		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	57		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	98		38-149		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
bis (2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	93		77-115		
bis (2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	89		78-112		
bis (2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	91		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	89		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	94		78-119		
Chrysene	0.1 U	0.1	0.5	ug/l	99		81-120		
Diallate trans/cis	1 U	1.	5	ug/l	101		80-126		
Dibenz (a, h) anthracene	0.1 U	0.1	0.5	ug/l	96		80-130		
Dibenzofuran	0.5 U	0.5	1	ug/l	94		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	86		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	82		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	84		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	84		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	93		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	97		83-121		
Diethylphthalate	2 U	2.	5	ug/l	94		70-118		
Dimethoate	3 U	3.	10	ug/l	74		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	90		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	38		10-76		
7,12-Dimethylbenz [a] anthracene	0.5 U	0.5	1	ug/l	88		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	88		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	90		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	102		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	93		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	84		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	98		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	98		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	66		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	92		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	92		77-113		
bis (2-Ethylhexyl) phthalate	2 U	2.	5	ug/l	101		78-124		
Fluoranthene	0.1 U	0.1	0.5	ug/l	94		82-121		
Fluorene	0.1 U	0.1	0.5	ug/l	97		80-117		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	92		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	53		18-130		
Hexachloroethane	1 U	1.	5	ug/l	77		55-109		
Hexachloropropene	2 U	2.	5	ug/l	79		47-121		
Indeno (1,2,3-cd) pyrene	0.1 U	0.1	0.5	ug/l	92		80-126		
Isodrin	0.5 U	0.5	1	ug/l	101		83-119		
Isophorone	0.5 U	0.5	1	ug/l	96		81-124		
Isosafrole	2 U	2.	5	ug/l	98		68-150		
Methapyrilene	15 U	15.	50	ug/l	128		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	78		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	100		84-117		
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	88		75-106		
2-Methylphenol	0.5 U	0.5	1	ug/l	88		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	85		56-109		
Naphthalene	0.1 U	0.1	0.5	ug/l	89		75-108		
1,4-Naphthoquinone	25 U	25.	60	ug/l	38		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	35		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	40		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	63		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	69		61-117		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Nitroaniline	0.5 U	0.5	1	ug/l	82		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	96		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	69		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	83		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	89		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	86		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	68		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	91		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	88		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	84		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	95		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	97		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	97		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	97		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	86		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	92		81-120		
Phenanthrene	0.1 U	0.1	0.5	ug/l	91		81-114		
Phenol	0.5 U	0.5	1	ug/l	54		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	83		57-110		
Pronamide	0.5 U	0.5	1	ug/l	97		78-125		
Pyrene	0.1 U	0.1	0.5	ug/l	91		81-112		
Pyridine	2 U	2.	5	ug/l	67		22-96		
Safrole	2 U	2.	5	ug/l	92		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	89		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	98		76-128		
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	93		75-114		
Thionazin	2 U	2.	5	ug/l	96		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	44		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	88		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	94		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	95		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	97		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	82		12-129		
Batch number: 14343SLC026 Sample number(s): 7700486									
Acenaphthene	3 U	3.	17	ug/kg	90		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	98		83-127		
Acetophenone	17 U	17.	33	ug/kg	90		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	88		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	60		14-89		
Aniline	170 U	170.	500	ug/kg	83		43-110		
Anthracene	3 U	3.	17	ug/kg	92		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	85		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	91		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	88		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	90		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	88		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	99		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	82		78-111		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	86	84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	90	80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	93	84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	105	79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	80	10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	102	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	84	65-123		
bis(2-Chloroethyl)ether	17	U	17.	33	ug/kg	84	77-115		
bis(2-Chloroisopropyl)ether	17	U	17.	33	ug/kg	88	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	80	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	97	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	91	83-115		
Chrysene	3	U	3.	17	ug/kg	92	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	92	76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	91	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	89	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	89	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	85	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	86	79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	78	10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	96	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	99	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	92	81-118		
Dimethoate	170	U	170.	500	ug/kg	71	18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	92	81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	95*	17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	94	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	91	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	92	82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	85	67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	94	86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	86	42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	98	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	97	83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	56	33-86		
Diphenyl ether	17	U	17.	33	ug/kg	84	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	93	77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	89	81-121		
Fluoranthene	3	U	3.	17	ug/kg	94	75-118		
Fluorene	3	U	3.	17	ug/kg	94	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	81	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	79	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	90	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	85	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	81*	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	88	76-122		
Isodrin	17	U	17.	33	ug/kg	96	85-128		
Isophorone	17	U	17.	33	ug/kg	93	83-119		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Isosafrole	67	U	67.	170	ug/kg	93		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	67*		70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	86		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	95		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	90		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	103		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	101		75-119		
Naphthalene	3	U	3.	17	ug/kg	87		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	88		72-111		
1-Naphthylamine	170		170.	500	ug/kg	80		36-106		
2-Naphthylamine	170		170.	500	ug/kg	70		16-84		
5-Nitro-o-toluidine	170		170.	500	ug/kg	83		39-99		
2-Nitroaniline	17	U	17.	33	ug/kg	101		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	94		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	90		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	82		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	90		83-120		
4-Nitrophenol	170		170.	500	ug/kg	104		64-121		
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	108		65-139		
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	99		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	88		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	76		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	88		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	81		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	99		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	93		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	101		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	98		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	88		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	91		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	90		46-133		
Phenacetin	67	U	67.	170	ug/kg	94		76-119		
Phenanthrene	3	U	3.	17	ug/kg	84		80-114		
Phenol	17	U	17.	33	ug/kg	98		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
2-Picoline	100		100.	330	ug/kg	84		64-108		
Pronamide	33	U	33.	170	ug/kg	48*		72-119		
Pyrene	3	U	3.	17	ug/kg	86		81-114		
Pyridine	67	U	67.	170	ug/kg	93		51-109		
Safrole	67	U	67.	170	ug/kg	92		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	77*		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	99		77-129		
Tetraethyldithiopyrophosphate	67	U	67.	170	ug/kg	88		77-123		
Thionazin	67	U	67.	170	ug/kg	108		76-123		
o-Toluidine	200		200.	670	ug/kg	79		12-110		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	85		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	92		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	94		81-123		
0,0,0-Triethylphosphorothioate	67 U	67.	170	ug/kg	85		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	82		67-111		
Batch number: 14350SLB026 Sample number(s): 7700489,7700492,7700495,7700498									
Acenaphthene	3 U	3.	17	ug/kg	100		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	107		83-127		
Acetophenone	17 U	17.	33	ug/kg	94		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	104		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	54		14-89		
Aniline	170 U	170.	500	ug/kg	79		43-110		
Anthracene	3 U	3.	17	ug/kg	104		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	100		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	115		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	97		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	104		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	103		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	93		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	101		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	103		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	106		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	112		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	43		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	116		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	95		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	95		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	96		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	113		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	106		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	99		83-115		
Chrysene	3 U	3.	17	ug/kg	99		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	104		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	103		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	98		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	96		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	89		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	110		81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg	112		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	101		81-118		
Dimethoate	170 U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	103		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	131*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	108		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	104		83-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	108		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	105		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	112		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	107		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	109		83-120		
1,4-Dioxane	100		100.	330	ug/kg	54		33-86		
	U									
Diphenyl ether	17	U	17.	33	ug/kg	97		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	97		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	104		81-121		
Fluoranthene	3	U	3.	17	ug/kg	106		75-118		
Fluorene	3	U	3.	17	ug/kg	102		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	94		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	120		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	95		78-114		
Hexachloropropene	100		100.	330	ug/kg	105		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	98		76-122		
Isodrin	17	U	17.	33	ug/kg	109		85-128		
Isophorone	17	U	17.	33	ug/kg	105		83-119		
Isosafrole	67	U	67.	170	ug/kg	107		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	113		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	91		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	113		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	100		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	108		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	100		75-119		
Naphthalene	3	U	3.	17	ug/kg	100		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	91		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	61		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	44		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	67		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	115		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	93		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	92		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	97		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	109		83-120		
4-Nitrophenol	170		170.	500	ug/kg	98		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	123		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	98		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	103		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	96		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	85		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	99		83-118		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	87		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	98		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	104		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	104		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	127		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	97		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	102		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	100		46-133		
Phenacetin	67 U	67.	170	ug/kg	106		76-119		
Phenanthrene	3 U	3.	17	ug/kg	92		80-114		
Phenol	17 U	17.	33	ug/kg	103		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	81		64-108		
Pronamide	33 U	33.	170	ug/kg	109		72-119		
Pyrene	3 U	3.	17	ug/kg	97		81-114		
Pyridine	67 U	67.	170	ug/kg	73		51-109		
Safrole	67 U	67.	170	ug/kg	102		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	91		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	112		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	98		77-123		
Thionazin	67 U	67.	170	ug/kg	110		76-123		
o-Toluidine	200 U	200.	670	ug/kg	62		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	102		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	108		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	110		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	102		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	92		67-111		
Batch number: 143390006A									
Sample number(s): 7700503									
PCB-1016	0.080 U	0.080	0.40	ug/l	80	77	60-117	5	30
PCB-1221	0.080 U	0.080	0.40	ug/l					
PCB-1232	0.16 U	0.16	0.40	ug/l					
PCB-1242	0.080 U	0.080	0.40	ug/l					
PCB-1248	0.080 U	0.080	0.40	ug/l					
PCB-1254	0.080 U	0.080	0.40	ug/l					
PCB-1260	0.12 U	0.12	0.40	ug/l	90	84	64-134	7	30
Batch number: 143440013A									
Sample number(s): 7700487,7700490,7700493,7700496,7700499									
PCB-1016	3.6 U	3.6	17	ug/kg	99	103	76-121	4	50
PCB-1221	4.6 U	4.6	17	ug/kg					
PCB-1232	8.0 U	8.0	17	ug/kg					
PCB-1242	3.3 U	3.3	17	ug/kg					
PCB-1248	3.3 U	3.3	17	ug/kg					
PCB-1254	3.3 U	3.3	17	ug/kg					
PCB-1260	4.9 U	4.9	17	ug/kg	118	114	79-132	4	50
Batch number: 143430033A									
Sample number(s): 7700486,7700489,7700492,7700495,7700498									
Diethylene glycol	5.0 U	5.0	10	mg/kg	99		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	103		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	104		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	95		34-145		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143460024A									
Sample number(s): 7700503									
Diethylene glycol	8.0 U	8.0	10	mg/l	94		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	103		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	104		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	84		46-118		
Batch number: 143430636001									
Sample number(s): 7700503									
Barium	0.00033 U	0.00033	0.0100	mg/l	101	102	80-120	1	20
Beryllium	0.00067 U	0.00067	0.0100	mg/l	104	105	80-120	1	20
Cadmium	0.00033 U	0.00033	0.0100	mg/l	103	103	80-120	1	20
Chromium	0.0013 U	0.0013	0.0300	mg/l	98	99	80-120	1	20
Cobalt	0.0010 U	0.0010	0.0100	mg/l	104	105	80-120	1	20
Copper	0.0028 U	0.0028	0.0200	mg/l	103	105	80-120	2	20
Nickel	0.0016 U	0.0016	0.0200	mg/l	104	105	80-120	1	20
Silver	0.0018 U	0.0018	0.0100	mg/l	97	98	80-120	1	20
Tin	0.0024 U	0.0024	0.0400	mg/l	100	100	80-120	0	20
Vanadium	0.0019 U	0.0019	0.0100	mg/l	102	103	80-120	1	20
Zinc	0.0020 U	0.0020	0.0400	mg/l	102	103	80-120	0	20
Batch number: 143430637001									
Sample number(s): 7700487,7700490,7700493,7700496,7700499									
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	104		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	102		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	99		80-120		
Tin	1.52 J	0.430	20.0	mg/kg	105		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.303 J	0.260	4.00	mg/kg	104		80-120		
Batch number: 143430637001A									
Sample number(s): 7700487,7700490,7700493,7700496,7700499									
Antimony	0.0844 U	0.0844	0.400	mg/kg	97		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	113		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	103		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	111		80-120		
Batch number: 143430637001B									
Sample number(s): 7700487,7700490,7700493,7700496,7700499									
Selenium	0.100 U	0.100	0.800	mg/kg	107		80-120		
Batch number: 143430638001									
Sample number(s): 7700487,7700490,7700493,7700496,7700499									
Mercury	0.0100 U	0.0100	0.200	mg/kg	90		80-120		
Batch number: 143430639001A									
Sample number(s): 7700503									
Antimony	0.00033 U	0.00033	0.0020	mg/l	96	109	80-120	13	20
Arsenic	0.00082 U	0.00082	0.0040	mg/l	97	105	80-120	8	20
Lead	0.000082 U	0.00008	0.0020	mg/l	104	104	80-120	0	20
Thallium	0.00015 U	0.00015	0.0010	mg/l	95	104	80-120	9	20
Batch number: 143430639001B									
Sample number(s): 7700503									
Selenium	0.00050 U	0.00050	0.0040	mg/l	103	102	80-120	1	20
Batch number: 143435713004									
Sample number(s): 7700503									
Mercury	0.000060	0.00006	0.00020	mg/l	103		80-120		

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Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14345820005B	U	0							
Sample number(s): 7700485-7700499									
Moisture					100		99-101		
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Q143461AA									
Sample number(s): 7700485,7700488,7700491,7700494,7700497,7700500-7700502									
7700485									
Acetone						330	U 330	U 0 (1)	30
Acetonitrile						1,200	U 1,200	U 0 (1)	30
Acrolein						U	U		
Acrylonitrile						940	U 940	U 0 (1)	30
Allyl Chloride						190	U 190	U 0 (1)	30
Benzene						47	U 47	U 0 (1)	30
Bromodichloromethane						24	U 24	U 0 (1)	30
Bromoform						47	U 47	U 0 (1)	30
Bromomethane						47	U 47	U 0 (1)	30
2-Butanone						94	U 94	U 0 (1)	30
Carbon Disulfide						190	U 190	U 0 (1)	30
Carbon Tetrachloride						47	U 47	U 0 (1)	30
2-Chloro-1,3-butadiene						47	U 47	U 0 (1)	30
Chlorobenzene						47	U 47	U 0 (1)	30
Chloroethane						94	U 94	U 0 (1)	30
Chloroform						47	U 47	U 0 (1)	30
Chloromethane						94	U 94	U 0 (1)	30
1,2-Dibromo-3-chloropropane						94	U 94	U 0 (1)	30
Dibromochloromethane						47	U 47	U 0 (1)	30
1,2-Dibromoethane						47	U 47	U 0 (1)	30
Dibromomethane						47	U 47	U 0 (1)	30
trans-1,4-Dichloro-2-butene						470	U 470	U 0 (1)	30
Dichlorodifluoromethane						94	U 94	U 0 (1)	30
1,1-Dichloroethane						47	U 47	U 0 (1)	30
1,2-Dichloroethane						47	U 47	U 0 (1)	30
1,1-Dichloroethene						47	U 47	U 0 (1)	30
cis-1,2-Dichloroethene						47	U 47	U 0 (1)	30
trans-1,2-Dichloroethene						47	U 47	U 0 (1)	30
1,2-Dichloropropane						47	U 47	U 0 (1)	30
cis-1,3-Dichloropropene						47	U 47	U 0 (1)	30
trans-1,3-Dichloropropene						47	U 47	U 0 (1)	30
Ethyl Methacrylate						47	U 47	U 0 (1)	30
Ethylbenzene						47	U 47	U 0 (1)	30
2-Hexanone						140	U 140	U 0 (1)	30
Isobutyl Alcohol						4,700	U 4,700	U 0 (1)	30
Methacrylonitrile						U	U		
						240	U 240	U 0 (1)	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Methyl Iodide						140	U 140	U 0 (1)		30
Methyl Methacrylate						47	U 47	U 0 (1)		30
4-Methyl-2-pentanone						140	U 140	U 0 (1)		30
Methylene Chloride						94	U 94	U 0 (1)		30
Pentachloroethane						47	U 47	U 0 (1)		30
Propionitrile						1,400	U 1,400	U 0 (1)		30
Styrene						47	U 47	U 0 (1)		30
1,1,1,2-Tetrachloroethane						47	U 47	U 0 (1)		30
1,1,2,2-Tetrachloroethane						47	U 47	U 0 (1)		30
Tetrachloroethene						47	U 47	U 0 (1)		30
Toluene						47	U 47	U 0 (1)		30
1,1,1-Trichloroethane						47	U 47	U 0 (1)		30
1,1,2-Trichloroethane						47	U 47	U 0 (1)		30
Trichloroethene						47	U 47	U 0 (1)		30
Trichlorofluoromethane						94	U 94	U 0 (1)		30
1,2,3-Trichloropropane						47	U 47	U 0 (1)		30
Vinyl Acetate						94	U 94	U 0 (1)		30
Vinyl Chloride						47	U 47	U 0 (1)		30
Xylene (Total)						47	U 47	U 0 (1)		30

Batch number: Y143422AA	Sample number(s): 7700503 UNSPK: P696375									
Acetone	44	43	35-144	3	30					
Acrolein	82	81	39-136	1	30					
Acrylonitrile	50*	48*	51-125	3	30					
Allyl Chloride	131	131	47-142	0	30					
Benzene	101	104	72-134	1	30					
Bromodichloromethane	117	114	73-125	2	30					
Bromoform	93	90	48-118	3	30					
Bromomethane	123	116	47-129	6	30					
2-Butanone	47	45	44-135	2	30					
Carbon Disulfide	93	92	53-149	1	30					
Carbon Tetrachloride	140	135	75-148	3	30					
2-Chloro-1,3-butadiene	116	117	75-146	1	30					
Chlorobenzene	105	103	87-124	2	30					
Chloroethane	124	118	55-130	5	30					
Chloroform	122	118	81-134	3	30					
Chloromethane	137*	135*	61-125	2	30					
1,2-Dibromo-3-chloropropane	60	59	50-123	1	30					
Dibromochloromethane	113	109	74-116	3	30					
1,2-Dibromoethane	90	88	77-116	2	30					
Dibromomethane	97	96	83-119	1	30					
trans-1,4-Dichloro-2-butene	58	48	27-147	18	30					
Dichlorodifluoromethane	130	122	58-156	7	30					
1,1-Dichloroethane	116	115	84-129	0	30					
1,2-Dichloroethane	123	120	63-142	3	30					
1,1-Dichloroethene	119	117	79-137	2	30					
cis-1,2-Dichloroethene	109	107	80-141	1	30					
trans-1,2-Dichloroethene	123	120	86-131	2	30					
1,2-Dichloropropane	106	105	83-124	1	30					
cis-1,3-Dichloropropene	96	94	70-116	1	30					
trans-1,3-Dichloropropene	95	94	74-119	0	30					

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Ethyl Methacrylate	84	83	64-126	1	30				
Ethylbenzene	105	103	71-134	2	30				
2-Hexanone	56	55	38-131	2	30				
Isobutyl Alcohol	78	81	53-142	3	30				
Methacrylonitrile	58*	57*	71-126	1	30				
Methyl Iodide	125	123	65-144	2	30				
Methyl Methacrylate	73	73	63-123	1	30				
4-Methyl-2-pentanone	63	63	45-128	1	30				
Methylene Chloride	114	112	78-133	1	30				
Pentachloroethane	100	99	71-117	1	30				
Propionitrile	89	89	61-138	0	30				
Styrene	106	104	78-125	2	30				
1,1,1,2-Tetrachloroethane	115	114	80-123	1	30				
1,1,2,2-Tetrachloroethane	69*	69*	72-128	1	30				
Tetrachloroethene	118	116	80-128	2	30				
Toluene	105	103	80-125	1	30				
1,1,1-Trichloroethane	119	116	69-140	2	30				
1,1,2-Trichloroethane	106	103	71-141	3	30				
Trichloroethene	117	115	88-133	2	30				
Trichlorofluoromethane	156	145	63-163	7	30				
1,2,3-Trichloropropane	68*	67*	76-118	3	30				
Vinyl Chloride	124	117	66-133	6	30				
Xylene (Total)	106	103	79-125	3	30				

Batch number: 14339WAZ026	Sample number(s): 7700503	UNSPK: P39WZUS			
Acenaphthene	96	93	74-119	4	30
Acenaphthylene	97	95	86-121	2	30
Acetophenone	93	91	77-114	3	30
2-Acetylaminofluorene	110	104	79-137	6	30
4-Aminobiphenyl	63	60	10-91	6	30
Aniline	58	55	22-103	7	30
Anthracene	99	95	78-114	5	30
Benzo(a)anthracene	97	95	77-122	2	30
Benzo(a)pyrene	97	94	73-125	3	30
Benzo(b)fluoranthene	94	91	73-126	4	30
Benzo(g,h,i)perylene	97	94	66-134	4	30
Benzo(k)fluoranthene	95	92	72-122	4	30
Benzyl alcohol	86	84	62-101	4	30
1,1'-Biphenyl	93	91	73-114	3	30
4-Bromophenyl-phenylether	98	95	76-124	3	30
Butylbenzylphthalate	99	97	76-124	3	30
Di-n-butylphthalate	96	93	79-118	3	30
4-Chloro-3-methylphenol	93	92	19-155	2	30
4-Chloroaniline	64	59	34-122	9	30
Chlorobenzilate	103	100	63-146	3	30
bis(2-Chloroethoxy)methane	95	91	73-115	4	30
bis(2-Chloroethyl)ether	92	88	77-113	4	30
bis(2-Chloroisopropyl)ether	90	87	61-116	4	30
2-Chloronaphthalene	94	91	64-134	3	30
2-Chlorophenol	91	88	27-146	3	30
4-Chlorophenyl-phenylether	97	95	73-117	2	30
Chrysene	100	98	78-128	2	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Diallate trans/cis	103	99	75-130	5	30				
Dibenz(a,h)anthracene	99	97	72-132	3	30				
Dibenzofuran	95	93	71-116	3	30				
1,2-Dichlorobenzene	90	85	76-107	6	30				
1,3-Dichlorobenzene	87	81	68-107	8	30				
1,4-Dichlorobenzene	90	84	59-115	7	30				
3,3'-Dichlorobenzidine	80	77	16-128	4	30				
2,4-Dichlorophenol	94	90	31-147	4	30				
2,6-Dichlorophenol	97	94	75-116	4	30				
Diethylphthalate	99	96	69-118	3	30				
Dimethoate	84	81	10-112	4	30				
p-Dimethylaminoazobenzene	98	97	82-132	2	30				
3,3'-Dimethylbenzidine	35	32	25-83	8	30				
7,12-Dimethylbenz[a]anthracene	95	93	58-124	2	30				
2,4-Dimethylphenol	90	87	40-133	4	30				
Dimethylphthalate	95	93	54-125	2	30				
4,6-Dinitro-2-methylphenol	105	103	36-151	2	30				
1,3-Dinitrobenzene	96	94	82-122	2	30				
2,4-Dinitrophenol	84	84	20-168	0	30				
2,4-Dinitrotoluene	99	98	72-133	2	30				
2,6-Dinitrotoluene	99	98	79-127	1	30				
1,4-Dioxane	70	60	48-83	14	30				
Diphenyl ether	95	92	81-105	4	30				
Ethyl methanesulfonate	94	91	81-112	4	30				
bis(2-Ethylhexyl)phthalate	102	106	73-129	3	30				
Fluoranthene	97	94	78-122	3	30				
Fluorene	98	96	77-122	2	30				
Hexachlorobenzene	94	91	72-124	4	30				
Hexachlorobutadiene	90	80	53-126	12	30				
Hexachlorocyclopentadiene	83	80	26-142	4	30				
Hexachloroethane	85	77	50-119	11	30				
Hexachloropropene	91	86	67-132	5	30				
Indeno(1,2,3-cd)pyrene	95	92	69-129	3	30				
Isodrin	105	100	67-136	5	30				
Isophorone	98	95	67-139	4	30				
Isosafrole	100	98	74-104	3	30				
Methapyrilene	129	124	70-130	4	30				
Methyl methanesulfonate	80	76	37-93	5	30				
3-Methylcholanthrene	105	101	80-117	4	30				
2-Methylnaphthalene	92	88	65-120	5	30				
2-Methylphenol	93	90	26-135	4	30				
4-Methylphenol	93	90	13-128	4	30				
Naphthalene	93	89	68-118	4	30				
1,4-Naphthoquinone	172*	165*	70-130	4	30				
1-Naphthylamine	43	39	10-110	9	30				
2-Naphthylamine	48	44	10-101	8	30				
5-Nitro-o-toluidine	70	67	34-112	5	30				
2-Nitroaniline	99	99	76-132	0	30				
3-Nitroaniline	76	73	49-124	4	30				
4-Nitroaniline	86	83	43-126	3	30				
Nitrobenzene	94	90	69-127	5	30				
2-Nitrophenol	98	96	53-147	2	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Nitrophenol	71	71	10-116	1	30				
4-Nitroquinoline-1-oxide	89	88	50-120	1	30				
N-Nitroso-di-n-propylamine	91	90	70-123	2	30				
N-Nitrosodi-n-butylamine	96	86	65-111	11	30				
N-Nitrosodiethylamine	94	92	80-102	3	30				
N-Nitrosodimethylamine	70	65	37-80	7	30				
N-Nitrosodiphenylamine	95	92	75-124	3	30				
N-Nitrosomethylethylamine	90	87	72-115	4	30				
N-Nitrosomorpholine	85	85	71-115	1	30				
N-Nitrosopiperidine	94	93	84-117	1	30				
N-Nitrosopyrrolidine	93	91	72-120	2	30				
Di-n-octylphthalate	102	99	71-137	3	30				
Pentachlorobenzene	98	96	82-119	3	30				
Pentachloronitrobenzene	99	97	82-116	2	30				
Pentachlorophenol	84	84	23-133	0	30				
Phenacetin	97	94	67-141	4	30				
Phenanthrene	93	90	76-112	5	30				
Phenol	69	67	10-107	3	30				
2-Picoline	85	80	44-96	7	30				
Pronamide	98	95	82-131	3	30				
Pyrene	92	90	79-111	2	30				
Pyridine	68	63	12-94	8	30				
Safrole	96	91	86-107	6	30				
1,2,4,5-Tetrachlorobenzene	92	89	79-114	3	30				
2,3,4,6-Tetrachlorophenol	98	96	56-131	2	30				
Tetraethyldithiopyrophosphate	99	93	77-120	7	30				
Thionazin	98	97	72-117	2	30				
o-Toluidine	49	47	10-106	5	30				
1,2,4-Trichlorobenzene	94	87	68-119	7	30				
2,4,5-Trichlorophenol	93	90	37-148	4	30				
2,4,6-Trichlorophenol	94	92	19-162	3	30				
O,O,O-Triethylphosphorothioate	99	96	75-128	4	30				
1,3,5-Trinitrobenzene	92	92	35-129	0	30				
Batch number: 14343SLC026			Sample number(s): 7700486	UNSPK: 7700486					
Acenaphthene	88	86	55-132	2	30				
Acenaphthylene	96	93	53-143	3	30				
Acetophenone	90	91	67-111	1	30				
2-Acetylaminofluorene	92	90	48-138	2	30				
4-Aminobiphenyl	20	19	10-80	4	30				
Aniline	24	22*	23-96	13	30				
Anthracene	90	88	42-147	3	30				
Benzo(a)anthracene	85	82	32-150	3	30				
Benzo(a)pyrene	92	89	36-151	4	30				
Benzo(b)fluoranthene	88	82	29-150	7	30				
Benzo(g,h,i)perylene	93	89	41-147	3	30				
Benzo(k)fluoranthene	84	88	35-146	5	30				
Benzyl alcohol	99	103	69-131	4	30				
1,1'-Biphenyl	81	80	57-123	1	30				
4-Bromophenyl-phenylether	88	86	58-142	1	30				
Butylbenzylphthalate	91	89	50-137	1	30				
Di-n-butylphthalate	92	91	57-130	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1523520

Reported: 12/18/14 at 02:59 PM

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Chloro-3-methylphenol	108	105	39-150	3	30				
4-Chloroaniline	48	39	10-100	22	30				
Chlorobenzilate	103	100	79-128	2	30				
bis(2-Chloroethoxy)methane	85	83	54-128	2	30				
bis(2-Chloroethyl)ether	86	94	69-114	9	30				
bis(2-Chloroisopropyl)ether	87	88	62-120	1	30				
2-Chloronaphthalene	76	76	40-156	0	30				
2-Chlorophenol	98	101	35-152	3	30				
4-Chlorophenyl-phenylether	89	88	56-130	2	30				
Chrysene	87	84	28-146	4	30				
Diallate TRANS/CIS	94	92	45-145	2	30				
Dibenz(a,h)anthracene	90	89	54-142	1	30				
Dibenzofuran	88	87	46-137	1	30				
1,2-Dichlorobenzene	88	88	45-133	0	30				
1,3-Dichlorobenzene	83	87	45-129	4	30				
1,4-Dichlorobenzene	83	85	44-132	3	30				
3,3'-Dichlorobenzidine	58	53	10-143	9	30				
2,4-Dichlorophenol	98	95	39-153	3	30				
2,6-Dichlorophenol	102	100	56-133	2	30				
Diethylphthalate	90	88	54-127	2	30				
Dimethoate	85	83	39-178	3	30				
p-Dimethylaminoazobenzene	91	89	77-123	2	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	90	90	44-139	1	30				
2,4-Dimethylphenol	93	91	38-140	2	30				
Dimethylphthalate	89	86	45-135	3	30				
4,6-Dinitro-2-methylphenol	91	89	10-148	2	30				
1,3-Dinitrobenzene	89	89	73-116	0	30				
2,4-Dinitrophenol	95	93	20-143	2	30				
2,4-Dinitrotoluene	93	92	39-144	1	30				
2,6-Dinitrotoluene	95	93	54-134	2	30				
1,4-Dioxane	52	54	10-98	4	30				
Diphenyl ether	83	82	54-125	1	30				
Ethyl methanesulfonate	93	94	44-120	1	30				
bis(2-Ethylhexyl)phthalate	91	91	52-138	0	30				
Fluoranthene	87	83	41-135	5	30				
Fluorene	91	89	55-128	3	30				
Hexachlorobenzene	82	82	46-132	0	30				
Hexachlorobutadiene	80	79	65-125	1	30				
Hexachlorocyclopentadiene	94	87	10-153	7	30				
Hexachloroethane	86	87	24-138	1	30				
Hexachloropropene	87	84	39-124	3	30				
Indeno(1,2,3-cd)pyrene	90	88	44-147	2	30				
Isodrin	93	94	10-143	1	30				
Isophorone	94	92	68-119	2	30				
Isosafrole	94	91	69-135	3	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	83	85	10-134	3	30				
3-Methylcholanthrene	103	102	65-123	1	30				
2-Methylnaphthalene	91	88	39-140	3	30				
2-Methylphenol	106	109	36-149	3	30				
4-Methylphenol	102	103	29-143	1	30				

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Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

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Naphthalene	86	84	44-142	2	30				
1,4-Naphthoquinone	88	84	70-130	5	30				
1-Naphthylamine	22	19	10-92	14	30				
2-Naphthylamine	15	12	10-71	20	30				
5-Nitro-o-toluidine	86	80	33-107	7	30				
2-Nitroaniline	102	100	64-131	1	30				
3-Nitroaniline	79	77	31-145	3	30				
4-Nitroaniline	78	73	30-131	6	30				
Nitrobenzene	83	83	41-141	0	30				
2-Nitrophenol	91	90	45-146	1	30				
4-Nitrophenol	102	99	25-142	2	30				
4-Nitroquinoline-1-oxide	62	55	10-160	11	30				
N-Nitroso-di-n-propylamine	95	98	58-126	2	30				
N-Nitrosodi-n-butylamine	99	98	38-136	2	30				
N-Nitrosodiethylamine	89	91	56-112	2	30				
N-Nitrosodimethylamine	78	82	61-110	4	30				
N-Nitrosodiphenylamine	87	86	59-135	1	30				
N-Nitrosomethylethylamine	82	83	54-118	1	30				
N-Nitrosomorpholine	100	101	72-121	2	30				
N-Nitrosopiperidine	94	90	48-131	4	30				
N-Nitrosopyrrolidine	106	108	59-131	2	30				
Di-n-octylphthalate	107	106	54-151	1	30				
Pentachlorobenzene	88	87	69-119	1	30				
Pentachloronitrobenzene	93	92	78-116	1	30				
Pentachlorophenol	93	93	23-145	0	30				
Phenacetin	91	91	69-121	1	30				
Phenanthrene	81	79	42-141	2	30				
Phenol	95	98	61-130	3	30				
2-Picoline	70	77	55-104	10	30				
Pronamide	63*	53*	69-130	18	30				
Pyrene	85	83	37-140	2	30				
Pyridine	82	92	16-108	11	30				
Safrole	93	91	76-114	2	30				
1,2,4,5-Tetrachlorobenzene	79	78	71-120	2	30				
2,3,4,6-Tetrachlorophenol	96	96	62-132	0	30				
Tetraethylthiopyrophosphate	89	87	76-126	3	30				
Thionazin	107	103	65-123	4	30				
o-Toluidine	73	57	21-84	25	30				
1,2,4-Trichlorobenzene	86	85	50-139	1	30				
2,4,5-Trichlorophenol	94	94	64-131	0	30				
2,4,6-Trichlorophenol	96	95	60-136	1	30				
O,O,O-Triethylphosphorothioate	86	84	70-119	3	30				
1,3,5-Trinitrobenzene	66	65	10-113	1	30				

Batch number: 14350SLB026 Sample number(s): 7700489,7700492,7700495,7700498 UNSPK: P711193

Acenaphthene	96	98	55-132	3	30				
Acenaphthylene	102	105	53-143	3	30				
Acetophenone	94	95	67-111	1	30				
2-Acetylaminofluorene	94	100	48-138	7	30				
4-Aminobiphenyl	13	25	10-80	64*	30				
Aniline	32	40	23-96	23	30				
Anthracene	98	102	42-147	5	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzo(a)anthracene	97	96	32-150	1	30			
Benzo(a)pyrene	98	98	36-151	1	30			
Benzo(b)fluoranthene	105	105	29-150	1	30			
Benzo(g,h,i)perylene	99	99	41-147	1	30			
Benzo(k)fluoranthene	91	92	35-146	1	30			
Benzyl alcohol	102	103	69-131	1	30			
1,1'-Biphenyl	89	92	57-123	4	30			
4-Bromophenyl-phenylether	98	99	58-142	2	30			
Butylbenzylphthalate	97	101	50-137	5	30			
Di-n-butylphthalate	100	103	57-130	3	30			
4-Chloro-3-methylphenol	107	108	39-150	1	30			
4-Chloroaniline	20	31	10-100	46*	30			
Chlorobenzilate	109	114	79-128	5	30			
bis(2-Chloroethoxy)methane	90	93	54-128	4	30			
bis(2-Chloroethyl)ether	121*	134*	69-114	10	30			
bis(2-Chloroisopropyl)ether	96	96	62-120	1	30			
2-Chloronaphthalene	98	99	40-156	2	30			
2-Chlorophenol	106	107	35-152	1	30			
4-Chlorophenyl-phenylether	96	98	56-130	3	30			
Chrysene	90	92	28-146	3	30			
Diallate TRANS/CIS	101	105	45-145	4	30			
Dibenz(a,h)anthracene	102	103	54-142	1	30			
Dibenzofuran	94	96	46-137	3	30			
1,2-Dichlorobenzene	95	97	45-133	2	30			
1,3-Dichlorobenzene	94	97	45-129	4	30			
1,4-Dichlorobenzene	93	96	44-132	3	30			
3,3'-Dichlorobenzidine	13	58	10-143	125*	30			
2,4-Dichlorophenol	101	101	39-153	1	30			
2,6-Dichlorophenol	105	108	56-133	3	30			
Diethylphthalate	95	98	54-127	3	30			
Dimethoate	85	89	39-178	6	30			
p-Dimethylaminoazobenzene	93	104	77-123	11	30			
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30			
7,12-Dimethylbenz[a]anthracene	94	98	44-139	5	30			
2,4-Dimethylphenol	98	100	38-140	3	30			
Dimethylphthalate	95	97	45-135	2	30			
4,6-Dinitro-2-methylphenol	103	107	10-148	4	30			
1,3-Dinitrobenzene	96	100	73-116	6	30			
2,4-Dinitrophenol	105	112	20-143	7	30			
2,4-Dinitrotoluene	98	101	39-144	3	30			
2,6-Dinitrotoluene	103	107	54-134	4	30			
1,4-Dioxane	61	66	10-98	8	30			
Diphenyl ether	92	95	54-125	4	30			
Ethyl methanesulfonate	74	94	44-120	25	30			
bis(2-Ethylhexyl)phthalate	101	105	52-138	4	30			
Fluoranthene	95	97	41-135	2	30			
Fluorene	95	99	55-128	4	30			
Hexachlorobenzene	92	95	46-132	3	30			
Hexachlorobutadiene	93	95	65-125	3	30			
Hexachlorocyclopentadiene	77	102	10-153	29	30			
Hexachloroethane	95	97	24-138	3	30			
Hexachloropropene	89	102	39-124	14	30			

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Indeno(1,2,3-cd)pyrene	98	100	44-147	2	30			
Isodrin	91	103	10-143	13	30			
Isophorone	101	103	68-119	2	30			
Isosafrole	102	107	69-135	5	30			
Methapyrilene	0*	0*	70-130	0	30			
Methyl methanesulfonate	36	77	10-134	73*	30			
3-Methylcholanthrene	104	109	65-123	5	30			
2-Methylnaphthalene	96	95	39-140	0	30			
2-Methylphenol	108	109	36-149	1	30			
4-Methylphenol	94	96	29-143	2	30			
Naphthalene	95	95	44-142	1	30			
1,4-Naphthoquinone	90	91	70-130	1	30			
1-Naphthylamine	5*	31	10-92	141*	30			
2-Naphthylamine	0*	13	10-71	200*	30			
5-Nitro-o-toluidine	71	89	33-107	23	30			
2-Nitroaniline	111	115	64-131	4	30			
3-Nitroaniline	53	76	31-145	36*	30			
4-Nitroaniline	69	83	30-131	20	30			
Nitrobenzene	93	96	41-141	4	30			
2-Nitrophenol	104	105	45-146	1	30			
4-Nitrophenol	108	109	25-142	2	30			
4-Nitroquinoline-1-oxide	47	62	10-160	27	30			
N-Nitroso-di-n-propylamine	97	99	58-126	3	30			
N-Nitrosodi-n-butylamine	99	99	38-136	1	30			
N-Nitrosodiethylamine	95	99	56-112	5	30			
N-Nitrosodimethylamine	88	95	61-110	8	30			
N-Nitrosodiphenylamine	95	99	59-135	5	30			
N-Nitrosomethylethylamine	89	92	54-118	4	30			
N-Nitrosomorpholine	98	99	72-121	2	30			
N-Nitrosopiperidine	97	99	48-131	3	30			
N-Nitrosopyrrolidine	102	105	59-131	4	30			
Di-n-octylphthalate	116	122	54-151	6	30			
Pentachlorobenzene	92	97	69-119	6	30			
Pentachloronitrobenzene	100	103	78-116	3	30			
Pentachlorophenol	107	107	23-145	1	30			
Phenacetin	98	103	69-121	6	30			
Phenanthrene	89	90	42-141	2	30			
Phenol	97	98	61-130	2	30			
2-Picoline	53*	66	55-104	23	30			
Pronamide	101	105	69-130	5	30			
Pyrene	95	95	37-140	1	30			
Pyridine	62	71	16-108	13	30			
Safrole	96	97	76-114	2	30			
1,2,4,5-Tetrachlorobenzene	91	93	71-120	3	30			
2,3,4,6-Tetrachlorophenol	103	108	62-132	5	30			
Tetraethyldithiopyrophosphate	94	98	76-126	5	30			
Thionazin	105	110	65-123	6	30			
o-Toluidine	58	67	21-84	16	30			
1,2,4-Trichlorobenzene	96	98	50-139	3	30			
2,4,5-Trichlorophenol	102	105	64-131	4	30			
2,4,6-Trichlorophenol	107	112	60-136	5	30			
O,O,O-Triethylphosphorothioate	95	94	70-119	0	30			

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
1,3,5-Trinitrobenzene	68	75	10-113	10	30			
Batch number: 143430033A	Sample number(s): 7700486,7700489,7700492,7700495,7700498 UNSPK: P700505							
Diethylene glycol	70	71	48-124	2	20			
Ethylene glycol	88	88	68-115	0	20			
Propylene glycol	90	90	71-115	0	20			
Triethylene glycol	53	54	23-139	2	20			
Batch number: 143460024A	Sample number(s): 7700503 UNSPK: P700528							
Diethylene glycol	111	90	52-122	21*	20			
Ethylene glycol	119	96	54-123	22*	20			
Propylene glycol	122	96	55-131	24*	20			
Triethylene glycol	100	82	33-123	19	20			
Batch number: 143430637001	Sample number(s): 7700487,7700490,7700493,7700496,7700499 UNSPK: P700505 BKG: P700505							
Barium	100	103	75-125	2	20	41.4	45.7	10
Beryllium	101	102	75-125	1	20	0.975	J 1.00	3 (1)
Cadmium	93	95	75-125	2	20	0.338	J 0.318	J 6 (1)
Chromium	105	95	75-125	7	20	10.5	16.9	46* (1)
Cobalt	99	96	75-125	3	20	2.56	3.44	29* (1)
Copper	102	124	75-125	14	20	12.1	31.9	90*
Nickel	104	96	75-125	6	20	8.46	11.6	32* (1)
Silver	-11 (2)	-6 (2)	75-125	1	20	31.3	29.4	6
Tin	92	93	75-125	1	20	2.60	J 6.12	J 81* (1)
Vanadium	119	101	75-125	12	20	15.0	16.5	10
Zinc	130*	56*	75-125	18	20	150	155	3
Batch number: 143430637001A	Sample number(s): 7700487,7700490,7700493,7700496,7700499 UNSPK: P700505 BKG: P700505							
Antimony	89	79	75-125	7	20	0.735	1.23	50* (1)
Arsenic	149*	122	75-125	10	20	2.52	4.57	58* (1)
Lead	256 (2)	274 (2)	75-125	2	20	14.3	26.3	59*
Thallium	169*	115	75-125	25*	20	0.300	0.372	22* (1)
Batch number: 143430637001B	Sample number(s): 7700487,7700490,7700493,7700496,7700499 UNSPK: P700505 BKG: P700505							
Selenium	142*	116	75-125	17	20	0.501	J 0.539	J 7 (1)
Batch number: 143430638001	Sample number(s): 7700487,7700490,7700493,7700496,7700499 UNSPK: P700505 BKG: P700505							
Mercury	79	87	75-125	7	20	0.0520	J 0.0387	J 29* (1)
Batch number: 143435713004	Sample number(s): 7700503 UNSPK: P698110 BKG: P698110							
Mercury	100	98	75-125	3	20	0.000060	U 0.000060	U 0 (1)
Batch number: 14345820005B	Sample number(s): 7700485-7700499 BKG: P700801							
Moisture						7.6	7.2	5
Moisture						7.6	7.2	5

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: Q143461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700485	82	82	86	84
7700488	80	80	84	83
7700491	80	79	82	80
7700494	84	87	85	81
7700497	81	82	84	81
7700500	82	81	85	81
7700501	81	82	85	81
7700502	81	81	84	80
Blank	92	92	97	94
DUP	83	83	87	84
LCS	106	100	107	103
LCSD	100	94	101	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles

Batch number: Y143422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7700503	116	103	97	91
Blank	113	104	98	92
LCS	110	100	101	102
LCSD	110	101	101	101
MS	111	96	99	101
MSD	108	99	99	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14339WAZ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7700503	44	64	88	87	88	101
Blank	44	62	92	87	86	98
LCS	51	69	99	89	89	97
MS	65	71	97	90	90	94
MSD	63	67	95	87	88	92
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14343SLC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7700486	96	95	94	80	83	99
Blank	88	93	89	85	96	116
LCS	94	92	94	82	84	98
MS	99	95	90	82	83	98
MSD	101	98	89	82	83	99
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14350SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
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*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

Surrogate Quality Control

7700489	98	100	94	89	89	115
7700492	99	100	95	88	91	116
7700495	99	101	90	90	90	114
7700498	96	98	88	90	92	113
Blank	90	96	95	91	97	115
LCS	97	100	100	94	93	110
MS	97	99	94	91	90	110
MSD	99	102	99	94	93	112
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143390006A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7700503	96	61
1ST		
Blank	89	45
LCS	87	68
LCSD	84	42
Limits:	49-141	36-153

Analysis Name: PCBs
Batch number: 143440013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7700487	108	111
7700490	111	116
7700493	110	112
7700496	107	120
7700499	110	121
Blank	104	110
LCS	105	113
LCSD	117	118
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143430033A

	Tetramethylene glycol
7700486	82
7700489	80
7700492	83
7700495	82
7700498	83
Blank	93
LCS	95
MS	82
MSD	82
Limits:	71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143460024A

	Tetramethylene glycol
7700503	93
Blank	120
LCS	105
MS	112
MSD	93

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/18/14 at 02:59 PM

Group Number: 1523520

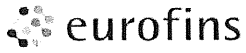
Surrogate Quality Control

Limits: 54-136

*- Outside of specification

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1522892 Sample Nos.: 7696848-49

Acc't: 06643 SF: 218983 SCR No.: 164378 Cooler No.: 23520 **30835**

Cooler Temperature upon receipt: 11 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:							
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		APPIX Volatiles (8260)										In fact ISM Condition upon receipt:							
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-67047																			
Sampler(s): <u>K. Stuart / M. Johnson</u>		Project Name: ISM 2014																			
Sample Identification				Containers																	
	Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.															
TB-1203 14	12/3/14	0910	WW	40	MeOH	1	X											1st ISM			
EB-1203 14	12/3/14	0901	WW	40	HCl	3	X											Equipment			
FB-11 14	12/3/14	0901	WW	40	HCl	3	X	South M 12/3/14										B/gn IC			
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:														
Bottles Relinquished by: <u>Bottle storage</u>		Date: <u>12/3/14</u>	Time: <u>1900</u>	Bottles Received by: <u>South M</u>		Date: <u>12/1/14</u>	Time: <u>1100</u>														
Bottles Relinquished by: <u>South M</u>		Date: <u>12/3/14</u>	Time: <u>1900</u>	Bottles Received by:		Date:	Time:														
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:														
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>South M</u>		Date: <u>12-4-14</u>	Time: <u>445</u>														

Client: Dupont

①
KM2
12-6-14
1523520

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 12/04/2014 9:45
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	5
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2-HCL 2 unpres 1-MeOH

Unpacked by Brandy Barclay (2299) at 10:30 on 12/04/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.1	DT	Wet	Y	Loose	N

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 12/05/2014 22:25
 Number of Packages: 4 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Wesley Miller (2308) at 00:01 on 12/06/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.7	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-4B	7	8	Only received 4 soil jars from COC #30619

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns $>25\%$
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is $<$ CRDL, but \geq IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 03, 2014

Project: BRE - ISM

Submittal Date: 11/19/2014

Group Number: 1519944

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-ISM-DU-2C Soil
SSP14-ISM-DU-2C Soil
SSP14-ISM-DU-2C Soil
TB-111814 Other Liquid

Lancaster Labs (LL) #

7682387
7682388
7682389
7682390

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682387
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/03/2014 13:37

DU2C1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	460	U 460	1,300	54.8
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,500	54.8
10237	Acrolein	107-02-8	1,300	U 1,300	6,500	54.8
10237	Acrylonitrile	107-13-1	260	U 260	1,300	54.8
10237	Allyl Chloride	107-05-1	65	U 65	330	54.8
10237	Benzene	71-43-2	33	U 33	330	54.8
10237	Bromodichloromethane	75-27-4	65	U 65	330	54.8
10237	Bromoform	75-25-2	65	U 65	330	54.8
10237	Bromomethane	74-83-9	130	U 130	330	54.8
10237	2-Butanone	78-93-3	260	U 260	650	54.8
10237	Carbon Disulfide	75-15-0	65	U 65	330	54.8
10237	Carbon Tetrachloride	56-23-5	65	U 65	330	54.8
10237	2-Chloro-1,3-butadiene	126-99-8	65	U 65	330	54.8
10237	Chlorobenzene	108-90-7	65	U 65	330	54.8
10237	Chloroethane	75-00-3	130	U 130	330	54.8
10237	Chloroform	67-66-3	65	U 65	330	54.8
10237	Chloromethane	74-87-3	130	U 130	330	54.8
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	330	54.8
10237	Dibromochloromethane	124-48-1	65	U 65	330	54.8
10237	1,2-Dibromoethane	106-93-4	65	U 65	330	54.8
10237	Dibromomethane	74-95-3	65	U 65	330	54.8
10237	trans-1,4-Dichloro-2-butene	110-57-6	650	U 650	3,300	54.8
10237	Dichlorodifluoromethane	75-71-8	130	U 130	330	54.8
10237	1,1-Dichloroethane	75-34-3	65	U 65	330	54.8
10237	1,2-Dichloroethane	107-06-2	65	U 65	330	54.8
10237	1,1-Dichloroethene	75-35-4	65	U 65	330	54.8
10237	cis-1,2-Dichloroethene	156-59-2	65	U 65	330	54.8
10237	trans-1,2-Dichloroethene	156-60-5	65	U 65	330	54.8
10237	1,2-Dichloropropane	78-87-5	65	U 65	330	54.8
10237	cis-1,3-Dichloropropene	10061-01-5	65	U 65	330	54.8
10237	trans-1,3-Dichloropropene	10061-02-6	65	U 65	330	54.8
10237	Ethyl Methacrylate	97-63-2	65	U 65	330	54.8
10237	Ethylbenzene	100-41-4	65	U 65	330	54.8
10237	2-Hexanone	591-78-6	200	U 200	650	54.8
10237	Isobutyl Alcohol	78-83-1	6,500	U 6,500	16,000	54.8
10237	Methacrylonitrile	126-98-7	330	U 330	3,300	54.8
10237	Methyl Iodide	74-88-4	200	U 200	330	54.8
10237	Methyl Methacrylate	80-62-6	65	U 65	330	54.8
10237	4-Methyl-2-pentanone	108-10-1	200	U 200	650	54.8
10237	Methylene Chloride	75-09-2	130	U 130	330	54.8
10237	Pentachloroethane	76-01-7	65	U 65	330	54.8
10237	Propionitrile	107-12-0	2,000	U 2,000	6,500	54.8
10237	Styrene	100-42-5	65	U 65	330	54.8
10237	1,1,1,2-Tetrachloroethane	630-20-6	65	U 65	330	54.8
10237	1,1,1,2-Tetrachloroethane	79-34-5	65	U 65	330	54.8
10237	Tetrachloroethene	127-18-4	65	U 65	330	54.8
10237	Toluene	108-88-3	65	U 65	330	54.8
10237	1,1,1-Trichloroethane	71-55-6	65	U 65	330	54.8
10237	1,1,2-Trichloroethane	79-00-5	65	U 65	330	54.8
10237	Trichloroethene	79-01-6	65	U 65	330	54.8
10237	Trichlorofluoromethane	75-69-4	130	U 130	330	54.8

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682387
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/03/2014 13:37

DU2C1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	65	U 65	330	54.8
10237	Vinyl Acetate	108-05-4	130	U 130	650	54.8
10237	Vinyl Chloride	75-01-4	65	U 65	330	54.8
10237	Xylene (Total)	1330-20-7	65	U 65	330	54.8
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 13:05	Sarah A Guill	54.8
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143221356501	11/18/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143221356501	11/18/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143221356501	11/18/2014 12:00	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14329820004A	11/25/2014 20:25	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682388
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/03/2014 13:37

DU2C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	58	4	20	1
10726	Acenaphthylene	208-96-8	14	J 4	20	1
10726	Acetophenone	98-86-2	20	U 20	39	1
10726	2-Acetylaminofluorene	53-96-3	78	U 78	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	590	1
10726	Aniline	62-53-3	200	U 200	590	1
10726	Anthracene	120-12-7	230	4	20	1
10726	Benzo(a)anthracene	56-55-3	690	4	20	1
10726	Benzo(a)pyrene	50-32-8	640	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	840	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	390	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	320	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	590	1
10726	1,1'-Biphenyl	92-52-4	20	U 20	39	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	39	1
10726	Butylbenzylphthalate	85-68-7	78	U 78	200	1
10726	Di-n-butylphthalate	84-74-2	78	U 78	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	39	1
10726	4-Chloroaniline	106-47-8	20	U 20	39	1
10726	Chlorobenzilate	510-15-6	39	U 39	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	39	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	39	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	39	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	20	U 20	39	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	39	1
10726	Chrysene	218-01-9	660	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	39	U 39	200	1
10726	Dibenz(a,h)anthracene	53-70-3	86	4	20	1
10726	Dibenzofuran	132-64-9	33	J 20	39	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	39	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	39	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	39	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	390	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	39	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	39	1
10726	Diethylphthalate	84-66-2	78	U 78	200	1
10726	Dimethoate	60-51-5	200	U 200	590	1
10726	p-Dimethylaminoazobenzene	60-11-7	78	U 78	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	39	1
10726	3,3'-Dimethylbenzidine	119-93-7	590	U 590	1,200	1
10726	2,4-Dimethylphenol	105-67-9	20	U 20	39	1
10726	Dimethylphthalate	131-11-3	78	U 78	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	590	1
10726	1,3-Dinitrobenzene	99-65-0	78	U 78	200	1
10726	2,4-Dinitrophenol	51-28-5	350	U 350	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	78	U 78	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682388
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/03/2014 13:37

DU2C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	39	1
10726	1,4-Dioxane	123-91-1	120	U 120	390	1
10726	Diphenyl ether	101-84-8	25	J 20	39	1
10726	Ethyl methanesulfonate	62-50-0	78	U 78	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	78	U 78	200	1
10726	Fluoranthene	206-44-0	1,400	4	20	1
10726	Fluorene	86-73-7	57	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	39	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	590	1
10726	Hexachloroethane	67-72-1	39	U 39	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	390	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	390	4	20	1
10726	Isodrin	465-73-6	20	U 20	39	1
10726	Isophorone	78-59-1	20	U 20	39	1
10726	Isosafrole	120-58-1	78	U 78	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	5,900	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	39	U 39	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	39	1
10726	2-Methylnaphthalene	91-57-6	7	J 4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	39	1
10726	4-Methylphenol	106-44-5	20	U 20	39	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	8	J 4	20	1
10726	1,4-Naphthoquinone	130-15-4	980	U 980	3,900	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	590	1
10726	2-Naphthylamine	91-59-8	200	U 200	590	1
10726	2-Nitroaniline	88-74-4	20	U 20	39	1
10726	3-Nitroaniline	99-09-2	78	U 78	200	1
10726	4-Nitroaniline	100-01-6	78	U 78	200	1
10726	Nitrobenzene	98-95-3	20	U 20	39	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	590	1
10726	2-Nitrophenol	88-75-5	20	U 20	39	1
10726	4-Nitrophenol	100-02-7	200	U 200	590	1
10726	4-Nitroquinoline-1-oxide	56-57-5	390	U 390	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	39	1
10726	N-Nitrosodimethylamine	62-75-9	78	U 78	200	1
10726	N-Nitrosodi-n-butylamine	924-16-3	78	U 78	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	39	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	39	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682388
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/03/2014 13:37

DU2C2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	78	U 78	200	1
10726	N-Nitrosomorpholine	59-89-2	78	U 78	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	39	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	39	1
10726	Di-n-octylphthalate	117-84-0	78	U 78	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	39	1
10726	Pentachloronitrobenzene	82-68-8	78	U 78	200	1
10726	Pentachlorophenol	87-86-5	39	U 39	200	1
10726	Phenacetin	62-44-2	78	U 78	200	1
10726	Phenanthrene	85-01-8	850	4	20	1
10726	Phenol	108-95-2	20	U 20	39	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	39,000	1
10726	2-Picoline	109-06-8	120	U 120	390	1
10726	Pronamide	23950-58-5	39	U 39	200	1
10726	Pyrene	129-00-0	1,200	4	20	1
10726	Pyridine	110-86-1	78	U 78	200	1
10726	Safrole	94-59-7	78	U 78	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	39	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	78	U 78	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	78	U 78	200	1
10726	Thionazin	297-97-2	78	U 78	200	1
10726	o-Toluidine	95-53-4	240	U 240	780	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	39	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	39	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	39	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	78	U 78	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	590	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.9	U 5.9	12	1
12925	Ethylene glycol	107-21-1	5.9	U 5.9	12	1
12925	Propylene glycol	57-55-6	5.9	U 5.9	12	1
12925	Triethylene glycol	112-27-6	5.9	U 5.9	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	15.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ISM 2014

LL Sample # SW 7682388
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/03/2014 13:37

DU2C2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14330SLB026	12/01/2014 10:15	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14330SLB026	11/26/2014 17:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 23:17	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143240034A	11/20/2014 18:50	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14329820004A	11/25/2014 20:25	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ITRC
ISM 2014

LL Sample # SW 7682389
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/19/2014 18:45

URS Corporation

Reported: 12/03/2014 13:37

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2C3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.3 U	4.3	20	1
10885	PCB-1221	11104-28-2	5.5 U	5.5	20	1
10885	PCB-1232	11141-16-5	9.5 U	9.5	20	1
10885	PCB-1242	53469-21-9	11 U	11	20	1
10885	PCB-1248	12672-29-6	18 U	18	20	1
10885	PCB-1254	11097-69-1	3.9 U	3.9	20	1
10885	PCB-1260	11096-82-5	5.8 U	5.8	20	1

Reporting limits were raised due to interference from the sample matrix.

Metals		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	65.1	0.0377	1.14	1
06947	Beryllium	7440-41-7	1.24	0.0765	1.14	1
06949	Cadmium	7440-43-9	0.207 J	0.0377	1.14	1
06951	Chromium	7440-47-3	11.0	0.126	3.43	1
06952	Cobalt	7440-48-4	3.81	0.110	1.14	1
06953	Copper	7440-50-8	6.89	0.377	2.28	1
06961	Nickel	7440-02-0	22.0	0.171	2.28	1
06966	Silver	7440-22-4	3.39	0.217	1.14	1
06969	Tin	7440-31-5	2.90 J	0.491	22.8	1
06971	Vanadium	7440-62-2	20.9	0.104	1.14	1
06972	Zinc	7440-66-6	42.4	0.297	4.57	1

		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.149 J	0.0964	0.457	2
06125	Arsenic	7440-38-2	1.85	0.0975	0.914	2
06135	Lead	7439-92-1	13.7	0.0147	0.457	2
06141	Selenium	7782-49-2	0.114 U	0.114	0.914	2
06145	Thallium	7440-28-0	0.308	0.0343	0.228	2

		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0204 J	0.0112	0.223	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	15.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-2C Soil
ITRC
ISM 2014

LL Sample # SW 7682389
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co

Submitted: 11/19/2014 18:45

URS Corporation

Reported: 12/03/2014 13:37

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

DU2C3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143250025A	11/25/2014 06:21	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143250025A	11/23/2014 22:50	Karen L Beyer	1
06946	Barium	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06947	Beryllium	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06949	Cadmium	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06951	Chromium	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06952	Cobalt	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06969	Tin	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06971	Vanadium	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	1	143280637001	11/26/2014 18:19	Katlin N Cataldi	1
06124	Antimony	SW-846 6020A	1	143280637001A	11/30/2014 09:31	Deborah A Krady	2
06125	Arsenic	SW-846 6020A	1	143280637001A	11/30/2014 09:31	Deborah A Krady	2
06135	Lead	SW-846 6020A	1	143280637001A	11/30/2014 09:31	Deborah A Krady	2
06141	Selenium	SW-846 6020A	1	143280637001B	11/30/2014 09:31	Deborah A Krady	2
06145	Thallium	SW-846 6020A	1	143280637001A	11/30/2014 09:31	Deborah A Krady	2
00159	Mercury	SW-846 7471B	1	143280638001	12/01/2014 09:57	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143280637001	11/26/2014 07:45	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143280638001	11/26/2014 09:47	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14329820004A	11/25/2014 20:25	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814 Other Liquid
ISM 2014

LL Sample # G5 7682390
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/03/2014 13:37

DUT18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814 Other Liquid
ISM 2014

LL Sample # G5 7682390
LL Group # 1519944
Account # 06643

Project Name: BRE - ISM

Collected: 11/18/2014 12:00 by HL

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/03/2014 13:37

DUT18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143341AA	11/30/2014 11:56	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201432436230	11/18/2014 12:00	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143341AA									
Acetone	350	350.	1,000	ug/kg	98	86	53-141	14	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	83	90	61-147	8	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	79	65	58-122	19	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	96	84	58-123	13	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	111	96	61-132	14	30
Benzene	25	U 25.	250	ug/kg	106	95	80-120	11	30
Bromodichloromethane	50	U 50.	250	ug/kg	104	91	75-120	13	30
Bromoform	50	U 50.	250	ug/kg	91	84	70-126	8	30
Bromomethane	100	100.	250	ug/kg	137	117	32-162	15	30
	U								
2-Butanone	200	200.	500	ug/kg	95	85	62-123	12	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	88	79	63-128	11	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	112	99	69-130	12	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	107	94	73-120	13	30
Chlorobenzene	50	U 50.	250	ug/kg	99	89	80-120	11	30
Chloroethane	100	100.	250	ug/kg	110	93	17-171	17	30
	U								
Chloroform	50	U 50.	250	ug/kg	114	102	80-125	12	30
Chloromethane	100	100.	250	ug/kg	96	85	56-120	13	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	80	75	59-122	7	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	96	84	77-120	13	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	103	91	80-120	13	30
Dibromomethane	50	U 50.	250	ug/kg	108	97	80-120	11	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	119	104	70-128	13	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	71	67	26-137	5	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	108	95	80-122	12	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	124	109	77-130	12	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	107	94	73-129	12	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	109	98	80-120	10	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	109	96	80-129	13	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	105	92	80-120	13	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	106	93	74-120	13	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	104	90	76-120	15	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	91	82	65-120	11	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50	U	50.	250	ug/kg	97	87	80-120	12	30
2-Hexanone	150		150.	500	ug/kg	97	86	51-120	12	30
	U									
Isobutyl Alcohol	5,000		5,000.	13,000	ug/kg	101	91	64-121	10	30
	U									
Methacrylonitrile	250		250.	2,500	ug/kg	103	92	73-127	11	30
	U									
Methyl Iodide	150		150.	250	ug/kg	108	96	72-130	11	30
	U									
Methyl Methacrylate	50	U	50.	250	ug/kg	96	87	60-120	10	30
4-Methyl-2-pentanone	150		150.	500	ug/kg	96	85	57-123	12	30
	U									
Methylene Chloride	100		100.	250	ug/kg	111	97	80-124	13	30
	U									
Pentachloroethane	50	U	50.	250	ug/kg	96	84	71-120	13	30
Propionitrile	1,500		1,500.	5,000	ug/kg	98	91	63-131	7	30
	U									
Styrene	50	U	50.	250	ug/kg	96	84	76-120	13	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	98	89	80-120	10	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	93	83	71-123	11	30
Tetrachloroethene	50	U	50.	250	ug/kg	102	89	78-120	14	30
Toluene	50	U	50.	250	ug/kg	98	87	80-120	12	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	116	101	63-135	14	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	100	87	80-120	14	30
Trichloroethene	50	U	50.	250	ug/kg	112	98	80-125	13	30
Trichlorofluoromethane	100		100.	250	ug/kg	110	98	58-133	12	30
	U									
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	95	71-123	14	30
Vinyl Acetate	100		100.	500	ug/kg	80	85	40-127	6	30
	U									
Vinyl Chloride	50	U	50.	250	ug/kg	97	87	59-120	12	30
Xylene (Total)	50	U	50.	250	ug/kg	96	86	80-120	11	30
Batch number: 14330SLB026	Sample number(s): 7682388									
Acenaphthene	3	U	3.	17	ug/kg	92		83-111		
Acenaphthylene	3	U	3.	17	ug/kg	111		83-127		
Acetophenone	17	U	17.	33	ug/kg	89		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	109		78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	59		14-89		
	U									
Aniline	170		170.	500	ug/kg	81		43-110		
	U									
Anthracene	3	U	3.	17	ug/kg	99		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	110		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	93		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	100		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	94		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170		170.	500	ug/kg	94		75-132		
	U									
1,1'-Biphenyl	17	U	17.	33	ug/kg	95		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	102		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	101		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	102		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	102		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	67		10-105		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chlorobenzilate	33	U	33.	170	ug/kg	116	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	92	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	92	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	97	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	115	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	102	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	102	83-115		
Chrysene	3	U	3.	17	ug/kg	106	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	96	76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	96	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	97	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	93	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	89	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	89	79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	106	10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	99	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	97	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	103	81-118		
Dimethoate	170	U	170.	500	ug/kg	57	18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	115	81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	154*	17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	96	80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	105	83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	95	82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	110	67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	101	86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	91	42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	107	81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	105	83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	56	33-86		
Diphenyl ether	17	U	17.	33	ug/kg	94	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	92	77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	106	81-121		
Fluoranthene	3	U	3.	17	ug/kg	101	75-118		
Fluorene	3	U	3.	17	ug/kg	96	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	90	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	106	78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	131	60-157		
Hexachloroethane	33	U	33.	170	ug/kg	100	78-114		
Hexachloropropene	100	U	100.	330	ug/kg	102	85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	94	76-122		
Isodrin	17	U	17.	33	ug/kg	98	85-128		
Isophorone	17	U	17.	33	ug/kg	102	83-119		
Isosafrole	67	U	67.	170	ug/kg	124*	86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	104	70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	96	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	103	85-126		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2-Methylnaphthalene	3	U	3.	17	ug/kg	89		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	96		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	89		75-119		
Naphthalene	3	U	3.	17	ug/kg	92		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	91		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	89		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	67		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	89		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	100		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	93		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	93		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	95		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	94		83-120		
4-Nitrophenol	170		170.	500	ug/kg	114		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	125		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	100		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	91		64-128		
N-Nitrosodimethylamine	17	U	17.	33	ug/kg	85		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	83		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	93		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	74		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	94		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	94		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	97		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	106		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	106		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	110		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	80		46-133		
Phenacetin	67	U	67.	170	ug/kg	109		76-119		
Phenanthrene	3	U	3.	17	ug/kg	95		80-114		
Phenol	17	U	17.	33	ug/kg	93		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	85		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	102		72-119		
Pyrene	3	U	3.	17	ug/kg	91		81-114		
Pyridine	67	U	67.	170	ug/kg	86		51-109		
Safrole	67	U	67.	170	ug/kg	98		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	103		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	115		77-129		
Tetraethylthiopyrophosphate	67	U	67.	170	ug/kg	105		77-123		
Thionazin	67	U	67.	170	ug/kg	102		76-123		
o-Toluidine	200		200.	670	ug/kg	80		12-110		
	U									
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	94		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	99		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	102		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	96		82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	101		67-111		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
U										
Batch number: 143250025A	Sample number(s): 7682389									
PCB-1016	3.6	U	3.6	17	ug/kg	105	110	76-121	4	50
PCB-1221	4.6	U	4.6	17	ug/kg					
PCB-1232	8.0	U	8.0	17	ug/kg					
PCB-1242	3.3	U	3.3	17	ug/kg					
PCB-1248	3.3	U	3.3	17	ug/kg					
PCB-1254	3.3	U	3.3	17	ug/kg					
PCB-1260	4.9	U	4.9	17	ug/kg	113	119	79-132	5	50
Batch number: 143240034A	Sample number(s): 7682388									
Diethylene glycol	5.0	U	5.0	10	mg/kg	93		54-149		
Ethylene glycol	5.0	U	5.0	10	mg/kg	94		76-122		
Propylene glycol	5.0	U	5.0	10	mg/kg	94		67-131		
Triethylene glycol	5.0	U	5.0	10	mg/kg	93		34-145		
Batch number: 143280637001	Sample number(s): 7682389									
Barium	0.0330	U	0.0330	1.00	mg/kg	99		80-120		
Beryllium	0.0670	U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330	U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110	U	0.110	3.00	mg/kg	101		80-120		
Cobalt	0.0960	U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330	U	0.330	2.00	mg/kg	104		80-120		
Nickel	0.150	U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190	U	0.190	1.00	mg/kg	97		80-120		
Tin	1.38	J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910	U	0.0910	1.00	mg/kg	105		80-120		
Zinc	0.260	U	0.260	4.00	mg/kg	101		80-120		
Batch number: 143280637001A	Sample number(s): 7682389									
Antimony	0.0844	U	0.0844	0.400	mg/kg	101		80-120		
Arsenic	0.0854	U	0.0854	0.800	mg/kg	101		80-120		
Lead	0.0128	U	0.0128	0.400	mg/kg	98		80-120		
Thallium	0.0300	U	0.0300	0.200	mg/kg	92		80-120		
Batch number: 143280637001B	Sample number(s): 7682389									
Selenium	0.100	U	0.100	0.800	mg/kg	102		80-120		
Batch number: 143280638001	Sample number(s): 7682389									
Mercury	0.0100	U	0.0100	0.200	mg/kg	89		80-120		
Batch number: 14329820004A	Sample number(s): 7682387-7682389									
Moisture						100		99-101		
Moisture						100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Batch number: Q143341AA	Sample number(s): 7682387,7682390 UNSPK: P686539								
Acetone	96	84	31-195	13	30				
Acetonitrile	84	101	41-166	19	30				
Acrolein	82	76	10-165	7	30				
Acrylonitrile	93	87	48-139	8	30				
Allyl Chloride	120	111	55-154	8	30				
Benzene	114	102	55-143	11	30				
Bromodichloromethane	110	101	53-136	9	30				
Bromoform	93	87	50-144	7	30				
Bromomethane	176*	152	42-168	15	30				
2-Butanone	96	88	37-163	8	30				
Carbon Disulfide	78	72	48-146	8	30				
Carbon Tetrachloride	128	121	51-165	6	30				
2-Chloro-1,3-butadiene	119	108	51-152	10	30				
Chlorobenzene	108	98	49-135	9	30				
Chloroethane	139	120	39-152	14	30				
Chloroform	124	114	61-142	8	30				
Chloromethane	112	100	36-143	11	30				
1,2-Dibromo-3-chloropropane	86	78	34-165	10	30				
Dibromochloromethane	99	92	51-128	8	30				
1,2-Dibromoethane	104	94	54-129	10	30				
Dibromomethane	114	105	57-130	8	30				
trans-1,4-Dichloro-2-butene	116	107	31-144	8	30				
Dichlorodifluoromethane	133	118	26-151	12	30				
1,1-Dichloroethane	119	106	63-142	12	30				
1,2-Dichloroethane	133	122	54-143	9	30				
1,1-Dichloroethene	120	110	61-149	9	30				
cis-1,2-Dichloroethene	117	105	67-135	11	30				
trans-1,2-Dichloroethene	119	108	64-144	9	30				
1,2-Dichloropropane	110	102	54-144	7	30				
cis-1,3-Dichloropropene	109	101	45-137	7	30				
trans-1,3-Dichloropropene	105	98	51-134	7	30				
Ethyl Methacrylate	96	88	35-134	9	30				
Ethylbenzene	108	99	44-141	8	30				
2-Hexanone	95	90	32-160	6	30				
Isobutyl Alcohol	99	99	44-158	0	30				
Methacrylonitrile	106	96	54-142	10	30				
Methyl Iodide	110	97	52-139	13	30				
Methyl Methacrylate	101	97	42-134	5	30				
4-Methyl-2-pentanone	98	91	46-139	7	30				
Methylene Chloride	115	104	60-149	10	30				
Pentachloroethane	101	95	35-145	6	30				
Propionitrile	96	91	40-151	5	30				
Styrene	106	96	35-134	9	30				
1,1,1,2-Tetrachloroethane	105	96	55-139	9	30				
1,1,2,2-Tetrachloroethane	97	87	29-182	10	30				
Tetrachloroethene	112	103	42-149	9	30				
Toluene	106	98	50-146	7	30				
1,1,1-Trichloroethane	127	115	52-146	10	30				
1,1,2-Trichloroethane	102	95	58-152	7	30				
Trichloroethene	122	111	53-144	9	30				
Trichlorofluoromethane	149	131	47-163	10	30				

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Quality Control Summary

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Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,2,3-Trichloropropane	106	100	36-180	6	30			
Vinyl Acetate	83	90	21-139	7	30			
Vinyl Chloride	117	108	50-154	7	30			
Xylene (Total)	105	96	44-136	9	30			
Batch number: 14330SLB026	Sample number(s): 7682388 UNSPK: P686542							
Acenaphthene	86	94	55-132	8	30			
Acenaphthylene	101	109	53-143	7	30			
Acetophenone	88	177*	67-111	66*	30			
2-Acetylaminofluorene	119	121	48-138	1	30			
4-Aminobiphenyl	64	68	10-80	6	30			
Aniline	48	48	23-96	0	30			
Anthracene	106	91	42-147	13	30			
Benzo(a)anthracene	100	149	32-150	30	30			
Benzo(a)pyrene	103	102	36-151	1	30			
Benzo(b)fluoranthene	102	95	29-150	5	30			
Benzo(g,h,i)perylene	100	108	41-147	6	30			
Benzo(k)fluoranthene	103	79	35-146	22	30			
Benzyl alcohol	89	99	69-131	10	30			
1,1'-Biphenyl	90	93	57-123	2	30			
4-Bromophenyl-phenylether	97	106	58-142	9	30			
Butylbenzylphthalate	106	114	50-137	7	30			
Di-n-butylphthalate	108	105	57-130	3	30			
4-Chloro-3-methylphenol	96	87	39-150	10	30			
4-Chloroaniline	53	49	10-100	9	30			
Chlorobenzilate	121	128	79-128	5	30			
bis(2-Chloroethoxy)methane	106	82	54-128	26	30			
bis(2-Chloroethyl)ether	90	94	69-114	4	30			
bis(2-Chloroisopropyl)ether	93	96	62-120	3	30			
2-Chloronaphthalene	109	111	40-156	1	30			
2-Chlorophenol	95	101	35-152	6	30			
4-Chlorophenyl-phenylether	96	99	56-130	3	30			
Chrysene	101	131	28-146	19	30			
Diallate TRANS/CIS	101	102	45-145	1	30			
Dibenz(a,h)anthracene	102	108	54-142	5	30			
Dibenzofuran	92	100	46-137	8	30			
1,2-Dichlorobenzene	91	95	45-133	4	30			
1,3-Dichlorobenzene	92	97	45-129	6	30			
1,4-Dichlorobenzene	89	97	44-132	8	30			
3,3'-Dichlorobenzidine	97	92	10-143	6	30			
2,4-Dichlorophenol	91	100	39-153	9	30			
2,6-Dichlorophenol	86	79	56-133	8	30			
Diethylphthalate	100	96	54-127	5	30			
Dimethoate	77	77	39-178	1	30			
p-Dimethylaminoazobenzene	121	132*	77-123	8	30			
3,3'-Dimethylbenzidine	104*	108*	10-103	3	30			
7,12-Dimethylbenz[a]anthracene	94	74	44-139	25	30			
2,4-Dimethylphenol	93	95	38-140	3	30			
Dimethylphthalate	95	97	45-135	2	30			
4,6-Dinitro-2-methylphenol	111	87	10-148	25	30			
1,3-Dinitrobenzene	91	93	73-116	1	30			
2,4-Dinitrophenol	87	79	20-143	10	30			

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,4-Dinitrotoluene	101	99	39-144	2	30				
2,6-Dinitrotoluene	98	98	54-134	1	30				
1,4-Dioxane	52	49	10-98	7	30				
Diphenyl ether	90	97	54-125	7	30				
Ethyl methanesulfonate	80	85	44-120	6	30				
bis(2-Ethylhexyl)phthalate	587*	127	52-138	129*	30				
Fluoranthene	93	101	41-135	4	30				
Fluorene	92	101	55-128	9	30				
Hexachlorobenzene	97	93	46-132	5	30				
Hexachlorobutadiene	108	99	65-125	9	30				
Hexachlorocyclopentadiene	54	35	10-153	43*	30				
Hexachloroethane	101	109	24-138	7	30				
Hexachloropropene	96	86	39-124	11	30				
Indeno(1,2,3-cd)pyrene	96	104	44-147	7	30				
Isodrin	101	76	10-143	28	30				
Isophorone	95	89	68-119	7	30				
Isosafrole	104	100	69-135	4	30				
Methapyrilene	101	86	70-130	17	30				
Methyl methanesulfonate	78	75	10-134	4	30				
3-Methylcholanthrene	110	107	65-123	3	30				
2-Methylnaphthalene	88	82	39-140	7	30				
2-Methylphenol	86	92	36-149	6	30				
4-Methylphenol	77	85	29-143	9	30				
Naphthalene	94	85	44-142	9	30				
1,4-Naphthoquinone	66*	65*	70-130	1	30				
1-Naphthylamine	61	65	10-92	6	30				
2-Naphthylamine	39	42	10-71	6	30				
5-Nitro-o-toluidine	56	66	33-107	16	30				
2-Nitroaniline	98	97	64-131	1	30				
3-Nitroaniline	86	91	31-145	5	30				
4-Nitroaniline	83	88	30-131	6	30				
Nitrobenzene	95	100	41-141	5	30				
2-Nitrophenol	93	92	45-146	1	30				
4-Nitrophenol	110	94	25-142	16	30				
4-Nitroquinoline-1-oxide	85	53	10-160	47*	30				
N-Nitroso-di-n-propylamine	86	90	58-126	4	30				
N-Nitrosodi-n-butylamine	81	75	38-136	8	30				
N-Nitrosodiethylamine	84	83	56-112	2	30				
N-Nitrosodimethylamine	81	77	61-110	5	30				
N-Nitrosodiphenylamine	98	93	59-135	6	30				
N-Nitrosomethylethylamine	72	75	54-118	3	30				
N-Nitrosomorpholine	84	86	72-121	2	30				
N-Nitrosopiperidine	85	91	48-131	6	30				
N-Nitrosopyrrolidine	79	82	59-131	4	30				
Di-n-octylphthalate	117	107	54-151	9	30				
Pentachlorobenzene	103	99	69-119	4	30				
Pentachloronitrobenzene	118*	118*	78-116	0	30				
Pentachlorophenol	92	80	23-145	14	30				
Phenacetin	117	104	69-121	13	30				
Phenanthrene	92	128	42-141	22	30				
Phenol	79	86	61-130	9	30				
2-Picoline	72	77	55-104	7	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Pronamide	107	108	69-130	1	30				
Pyrene	88	124	37-140	22	30				
Pyridine	73	68	16-108	7	30				
Safrole	89	80	76-114	11	30				
1,2,4,5-Tetrachlorobenzene	105	99	71-120	7	30				
2,3,4,6-Tetrachlorophenol	107	100	62-132	8	30				
Tetraethyldithiopyrophosphate	104	99	76-126	5	30				
Thionazin	94	95	65-123	1	30				
o-Toluidine	38	48	21-84	21	30				
1,2,4-Trichlorobenzene	94	98	50-139	4	30				
2,4,5-Trichlorophenol	99	85	64-131	15	30				
2,4,6-Trichlorophenol	93	91	60-136	3	30				
O,O,O-Triethylphosphorothioate	83	93	70-119	10	30				
1,3,5-Trinitrobenzene	69	66	10-113	5	30				
Batch number: 143240034A Sample number(s): 7682388 UNSPK: P677605									
Diethylene glycol	67	69	48-124	3	20				
Ethylene glycol	77	78	68-115	2	20				
Propylene glycol	79	80	71-115	2	20				
Triethylene glycol	52	53	23-139	3	20				
Batch number: 143280637001 Sample number(s): 7682389 UNSPK: P686545 BKG: P686545									
Barium	100	99	75-125	1	20	68.3	90.0	27*	20
Beryllium	104	103	75-125	1	20	0.727 J	0.822 J	12 (1)	20
Cadmium	95	91	75-125	4	20	0.258 J	0.224 J	14 (1)	20
Chromium	93	234*	75-125	70*	20	7.40	6.06	20 (1)	20
Cobalt	97	93	75-125	4	20	3.10	2.94	5 (1)	20
Copper	102	95	75-125	5	20	7.67	7.66	0 (1)	20
Nickel	70*	85	75-125	12	20	25.5	12.5	68*	20
Silver	597 (2)	1605 (2)	75-125	56*	20	34.9	60.2	53*	20
Tin	91	86	75-125	5	20	2.27 J	1.93 J	16 (1)	20
Vanadium	101	93	75-125	6	20	19.3	18.6	3	20
Zinc	-135 (2)	-145 (2)	75-125	4	20	208	95.0	74*	20
Batch number: 143280637001A Sample number(s): 7682389 UNSPK: P686545 BKG: P686545									
Antimony	41*	50*	75-125	14	20	0.245 J	0.203 J	19 (1)	20
Arsenic	78	89	75-125	6	20	1.57	1.61	3 (1)	20
Lead	2 (2)	16 (2)	75-125	3	20	13.1	12.4	6	20
Thallium	99	100	75-125	0	20	0.273	0.276	1 (1)	20
Batch number: 143280637001B Sample number(s): 7682389 UNSPK: P686545 BKG: P686545									
Selenium	106	103	75-125	3	20	0.194 J	0.115 J	51* (1)	20
Batch number: 143280638001 Sample number(s): 7682389 UNSPK: P686545 BKG: P686545									
Mercury	61*	65*	75-125	6	20	0.0227 J	0.0159 J	36* (1)	20
Batch number: 14329820004A Sample number(s): 7682387-7682389 BKG: P681259									
Moisture						16.7	18.1	8*	5
Moisture						16.7	18.1	8*	5

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/03/14 at 01:37 PM

Group Number: 1519944

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: Q143341AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682387	84	86	79	75
7682390	90	90	85	80
Blank	97	99	94	88
LCS	106	104	101	97
LCSD	92	90	85	84
MS	97	95	89	91
MSD	86	82	81	83
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14330SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7682388	89	97	126	99	101	116
Blank	83	91	109	84	93	100
LCS	91	96	110	92	91	103
MS	78	90	107	88	88	109
MSD	85	87	99	88	84	115
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143250025A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7682389	119	106
Blank	123	99
LCS	112	101
LCSD	119	105
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143240034A

	Tetramethylene glycol
7682388	71
Blank	86
LCS	87
MS	73
MSD	73
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DuPont

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 11/19/2014 18:45
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	1
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Patrick Engle (3472) at 19:12 on 11/19/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.1	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-2C	1	3	Received 1 bag of sample for moisture analysis.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

January 05, 2015

Project: BRE - ISM

Submittal Date: 12/19/2014

Group Number: 1527338

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-ISM-DU-7A Soil	7722022
SSP14-ISM-DU-7A Soil	7722023
SSP14-ISM-DU-7A Soil	7722024
SSP14-ISM-DU-7B Soil	7722025
SSP14-ISM-DU-7B Soil	7722026
SSP14-ISM-DU-7B Soil	7722027
SSP14-ISM-DU-7C Soil	7722028
SSP14-ISM-DU-7C Soil	7722029
SSP14-ISM-DU-7C Soil	7722030
SSP14-ISM-DU-8A Soil	7722031
SSP14-ISM-DU-8A Soil	7722032
SSP14-ISM-DU-8A Soil	7722033
SSP14-ISM-DU-8B Soil	7722034
SSP14-ISM-DU-8B Soil	7722035
SSP14-ISM-DU-8B Soil	7722036
SSP14-ISM-DU-8C Soil	7722037
SSP14-ISM-DU-8C Soil	7722038
SSP14-ISM-DU-8C Soil	7722039
SSP14-ISM-DU-9A Soil	7722040
SSP14-ISM-DU-9A MS Soil	7722041
SSP14-ISM-DU-9A MSD Soil	7722042
SSP14-ISM-DU-9A Soil	7722043
SSP14-ISM-DU-9A MS Soil	7722044
SSP14-ISM-DU-9A MSD Soil	7722045
SSP14-ISM-DU-9A SS Soil	7722046
SSP14-ISM-DU-9A IS Soil	7722047
SSP14-ISM-DU-9A PDS Soil	7722048
SSP14-ISM-DU-9A DUP Soil	7722049
SSP14-ISM-DU-9A Soil	7722050
SSP14-ISM-DU-9A MS Soil	7722051
SSP14-ISM-DU-9A MSD Soil	7722052

SSP14-ISM-DU-9A Dupl Soil	7722053
SSP14-ISM-DU-9B Soil	7722054
SSP14-ISM-DU-9B Soil	7722055
SSP14-ISM-DU-9B Soil	7722056
SSP14-ISM-DU-9C Soil	7722057
SSP14-ISM-DU-9C Soil	7722058
SSP14-ISM-DU-9C Soil	7722059
EB-121814 Blank Water	7722060
TB-121514 Other Liquid	7722061
TB-121714 Other Liquid	7722062
TB-121814 Other Liquid	7722063
TB-121814-9 Other Liquid	7722064

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722022
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISV7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	420	U 420	1,200	52.57
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,000	52.57
10237	Acrolein	107-02-8	1,200	U 1,200	6,000	52.57
10237	Acrylonitrile	107-13-1	240	U 240	1,200	52.57
10237	Allyl Chloride	107-05-1	60	U 60	300	52.57
10237	Benzene	71-43-2	30	U 30	300	52.57
10237	Bromodichloromethane	75-27-4	60	U 60	300	52.57
10237	Bromoform	75-25-2	60	U 60	300	52.57
10237	Bromomethane	74-83-9	120	U 120	300	52.57
10237	2-Butanone	78-93-3	240	U 240	600	52.57
10237	Carbon Disulfide	75-15-0	60	U 60	300	52.57
10237	Carbon Tetrachloride	56-23-5	60	U 60	300	52.57
10237	2-Chloro-1,3-butadiene	126-99-8	60	U 60	300	52.57
10237	Chlorobenzene	108-90-7	60	U 60	300	52.57
10237	Chloroethane	75-00-3	120	U 120	300	52.57
10237	Chloroform	67-66-3	60	U 60	300	52.57
10237	Chloromethane	74-87-3	120	U 120	300	52.57
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	300	52.57
10237	Dibromochloromethane	124-48-1	60	U 60	300	52.57
10237	1,2-Dibromoethane	106-93-4	60	U 60	300	52.57
10237	Dibromomethane	74-95-3	60	U 60	300	52.57
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U 600	3,000	52.57
10237	Dichlorodifluoromethane	75-71-8	120	U 120	300	52.57
10237	1,1-Dichloroethane	75-34-3	60	U 60	300	52.57
10237	1,2-Dichloroethane	107-06-2	60	U 60	300	52.57
10237	1,1-Dichloroethene	75-35-4	60	U 60	300	52.57
10237	cis-1,2-Dichloroethene	156-59-2	60	U 60	300	52.57
10237	trans-1,2-Dichloroethene	156-60-5	60	U 60	300	52.57
10237	1,2-Dichloropropane	78-87-5	60	U 60	300	52.57
10237	cis-1,3-Dichloropropene	10061-01-5	60	U 60	300	52.57
10237	trans-1,3-Dichloropropene	10061-02-6	60	U 60	300	52.57
10237	Ethyl Methacrylate	97-63-2	60	U 60	300	52.57
10237	Ethylbenzene	100-41-4	60	U 60	300	52.57
10237	2-Hexanone	591-78-6	180	U 180	600	52.57
10237	Isobutyl Alcohol	78-83-1	6,000	U 6,000	15,000	52.57
10237	Methacrylonitrile	126-98-7	300	U 300	3,000	52.57
10237	Methyl Iodide	74-88-4	180	U 180	300	52.57
10237	Methyl Methacrylate	80-62-6	60	U 60	300	52.57
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	600	52.57
10237	Methylene Chloride	75-09-2	120	U 120	300	52.57
10237	Pentachloroethane	76-01-7	60	U 60	300	52.57
10237	Propionitrile	107-12-0	1,800	U 1,800	6,000	52.57
10237	Styrene	100-42-5	60	U 60	300	52.57
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U 60	300	52.57
10237	1,1,1,2-Tetrachloroethane	79-34-5	60	U 60	300	52.57
10237	Tetrachloroethene	127-18-4	60	U 60	300	52.57
10237	Toluene	108-88-3	60	U 60	300	52.57
10237	1,1,1-Trichloroethane	71-55-6	60	U 60	300	52.57
10237	1,1,2-Trichloroethane	79-00-5	60	U 60	300	52.57
10237	Trichloroethene	79-01-6	60	U 60	300	52.57
10237	Trichlorofluoromethane	75-69-4	170	J 120	300	52.57

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722022
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	60	U 60	300	52.57
10237	Vinyl Acetate	108-05-4	120	U 120	600	52.57
10237	Vinyl Chloride	75-01-4	60	U 60	300	52.57
10237	Xylene (Total)	1330-20-7	60	U 60	300	52.57
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	11.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 16:20	Kerri E Legerlotz	52.57
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143491356501	12/15/2014 14:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143491356501	12/15/2014 14:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143491356501	12/15/2014 14:20	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722023
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	220	4	19	1
10726	Acenaphthylene	208-96-8	130	4	19	1
10726	Acetophenone	98-86-2	24	J 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	660	4	19	1
10726	Benzo(a)anthracene	56-55-3	1,900	4	19	1
10726	Benzo(a)pyrene	50-32-8	1,600	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,100	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	820	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	30	J 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	1,800	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	350	4	19	1
10726	Dibenzofuran	132-64-9	130	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722023
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	62	19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	95	J 75	190	1
10726	Fluoranthene	206-44-0	3,400	4	19	1
10726	Fluorene	86-73-7	300	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,000	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	52	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	110	4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722023
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	2,300	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	2,700	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ISM 2014

LL Sample # SW 7722023
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN7A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLB026	12/30/2014 02:49	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLB026	12/29/2014 09:30	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 19:45	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ITRC
ISM 2014

LL Sample # SW 7722024
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	63	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	62.7	0.0363	1.10	1
06947	Beryllium	7440-41-7	1.16	0.0737	1.10	1
06949	Cadmium	7440-43-9	0.183 J	0.0363	1.10	1
06951	Chromium	7440-47-3	8.22	0.121	3.30	1
06952	Cobalt	7440-48-4	3.19	0.106	1.10	1
06953	Copper	7440-50-8	9.95	0.363	2.20	1
06961	Nickel	7440-02-0	12.6	0.165	2.20	1
06966	Silver	7440-22-4	18.1	0.209	1.10	1
06969	Tin	7440-31-5	2.57 J	0.473	22.0	1
06971	Vanadium	7440-62-2	17.3	0.100	1.10	1
06972	Zinc	7440-66-6	97.0	0.286	4.40	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.353 J	0.0928	0.440	2
06125	Arsenic	7440-38-2	3.99	0.0939	0.880	2
06135	Lead	7439-92-1	16.5	0.0353	1.10	5
06141	Selenium	7782-49-2	0.529 J	0.110	0.880	2
06145	Thallium	7440-28-0	0.408	0.0330	0.220	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0275 J	0.0113	0.226	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7A Soil
ITRC
ISM 2014

LL Sample # SW 7722024
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 21:54	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:11	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:37	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:37	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 09:41	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:37	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:37	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 08:55	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722025
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISV7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	430	U 430	1,200	53.76
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,200	53.76
10237	Acrolein	107-02-8	1,200	U 1,200	6,200	53.76
10237	Acrylonitrile	107-13-1	250	U 250	1,200	53.76
10237	Allyl Chloride	107-05-1	62	U 62	310	53.76
10237	Benzene	71-43-2	31	U 31	310	53.76
10237	Bromodichloromethane	75-27-4	62	U 62	310	53.76
10237	Bromoform	75-25-2	62	U 62	310	53.76
10237	Bromomethane	74-83-9	120	U 120	310	53.76
10237	2-Butanone	78-93-3	250	U 250	620	53.76
10237	Carbon Disulfide	75-15-0	62	U 62	310	53.76
10237	Carbon Tetrachloride	56-23-5	62	U 62	310	53.76
10237	2-Chloro-1,3-butadiene	126-99-8	62	U 62	310	53.76
10237	Chlorobenzene	108-90-7	62	U 62	310	53.76
10237	Chloroethane	75-00-3	120	U 120	310	53.76
10237	Chloroform	67-66-3	62	U 62	310	53.76
10237	Chloromethane	74-87-3	120	U 120	310	53.76
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	310	53.76
10237	Dibromochloromethane	124-48-1	62	U 62	310	53.76
10237	1,2-Dibromoethane	106-93-4	62	U 62	310	53.76
10237	Dibromomethane	74-95-3	62	U 62	310	53.76
10237	trans-1,4-Dichloro-2-butene	110-57-6	620	U 620	3,100	53.76
10237	Dichlorodifluoromethane	75-71-8	120	U 120	310	53.76
10237	1,1-Dichloroethane	75-34-3	62	U 62	310	53.76
10237	1,2-Dichloroethane	107-06-2	62	U 62	310	53.76
10237	1,1-Dichloroethene	75-35-4	62	U 62	310	53.76
10237	cis-1,2-Dichloroethene	156-59-2	62	U 62	310	53.76
10237	trans-1,2-Dichloroethene	156-60-5	62	U 62	310	53.76
10237	1,2-Dichloropropane	78-87-5	62	U 62	310	53.76
10237	cis-1,3-Dichloropropene	10061-01-5	62	U 62	310	53.76
10237	trans-1,3-Dichloropropene	10061-02-6	62	U 62	310	53.76
10237	Ethyl Methacrylate	97-63-2	62	U 62	310	53.76
10237	Ethylbenzene	100-41-4	62	U 62	310	53.76
10237	2-Hexanone	591-78-6	190	U 190	620	53.76
10237	Isobutyl Alcohol	78-83-1	6,200	U 6,200	16,000	53.76
10237	Methacrylonitrile	126-98-7	310	U 310	3,100	53.76
10237	Methyl Iodide	74-88-4	190	U 190	310	53.76
10237	Methyl Methacrylate	80-62-6	62	U 62	310	53.76
10237	4-Methyl-2-pentanone	108-10-1	190	U 190	620	53.76
10237	Methylene Chloride	75-09-2	120	U 120	310	53.76
10237	Pentachloroethane	76-01-7	62	U 62	310	53.76
10237	Propionitrile	107-12-0	1,900	U 1,900	6,200	53.76
10237	Styrene	100-42-5	62	U 62	310	53.76
10237	1,1,1,2-Tetrachloroethane	630-20-6	62	U 62	310	53.76
10237	1,1,1,2-Tetrachloroethane	79-34-5	62	U 62	310	53.76
10237	Tetrachloroethene	127-18-4	62	U 62	310	53.76
10237	Toluene	108-88-3	62	U 62	310	53.76
10237	1,1,1-Trichloroethane	71-55-6	62	U 62	310	53.76
10237	1,1,2-Trichloroethane	79-00-5	62	U 62	310	53.76
10237	Trichloroethene	79-01-6	62	U 62	310	53.76
10237	Trichlorofluoromethane	75-69-4	400	120	310	53.76

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722025
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	62	U 62	310	53.76
10237	Vinyl Acetate	108-05-4	120	U 120	620	53.76
10237	Vinyl Chloride	75-01-4	62	U 62	310	53.76
10237	Xylene (Total)	1330-20-7	62	U 62	310	53.76
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 16:43	Kerri E Legerlotz	53.76
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143491356501	12/15/2014 14:10	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143491356501	12/15/2014 14:10	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143491356501	12/15/2014 14:10	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722026
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	190	4	19	1
10726	Acenaphthylene	208-96-8	100	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	670	4	19	1
10726	Benzo(a)anthracene	56-55-3	2,000	4	19	1
10726	Benzo(a)pyrene	50-32-8	1,600	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	2,100	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,100	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	940	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	22	J 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	1,700	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	330	4	19	1
10726	Dibenzofuran	132-64-9	96	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722026
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	35	J 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	88	J 76	190	1
10726	Fluoranthene	206-44-0	3,500	4	19	1
10726	Fluorene	86-73-7	250	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,000	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	33	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	68	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722026
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	2,200	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	2,700	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.8	U 5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U 5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U 5.8	12	1
12925	Triethylene glycol	112-27-6	5.8	U 5.8	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ISM 2014

LL Sample # SW 7722026
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN7B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLB026	12/30/2014 03:13	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLB026	12/29/2014 09:30	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 20:00	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ITRC
ISM 2014

LL Sample # SW 7722027
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	19	1
10885	PCB-1232	11141-16-5	9.2 U	9.2	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	42	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	63.1	0.0362	1.10	1
06947	Beryllium	7440-41-7	1.23	0.0736	1.10	1
06949	Cadmium	7440-43-9	0.210 J	0.0362	1.10	1
06951	Chromium	7440-47-3	7.83	0.121	3.30	1
06952	Cobalt	7440-48-4	4.44	0.105	1.10	1
06953	Copper	7440-50-8	10.0	0.362	2.20	1
06961	Nickel	7440-02-0	11.8	0.165	2.20	1
06966	Silver	7440-22-4	15.0	0.209	1.10	1
06969	Tin	7440-31-5	2.87 J	0.472	22.0	1
06971	Vanadium	7440-62-2	18.2	0.100	1.10	1
06972	Zinc	7440-66-6	100	0.286	4.39	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.12	0.0927	0.439	2
06125	Arsenic	7440-38-2	3.33	0.0938	0.879	2
06135	Lead	7439-92-1	21.4	0.0353	1.10	5
06141	Selenium	7782-49-2	0.524 J	0.110	0.879	2
06145	Thallium	7440-28-0	0.437	0.0330	0.220	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0332 J	0.0113	0.227	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7B Soil
ITRC
ISM 2014

LL Sample # SW 7722027
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:10 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 22:05	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:15	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:40	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:40	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 09:44	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:40	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:40	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 08:58	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722028
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISV7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	390	U 390	1,100	49.13
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,600	49.13
10237	Acrolein	107-02-8	1,100	U 1,100	5,600	49.13
10237	Acrylonitrile	107-13-1	220	U 220	1,100	49.13
10237	Allyl Chloride	107-05-1	56	U 56	280	49.13
10237	Benzene	71-43-2	28	U 28	280	49.13
10237	Bromodichloromethane	75-27-4	56	U 56	280	49.13
10237	Bromoform	75-25-2	56	U 56	280	49.13
10237	Bromomethane	74-83-9	110	U 110	280	49.13
10237	2-Butanone	78-93-3	220	U 220	560	49.13
10237	Carbon Disulfide	75-15-0	56	U 56	280	49.13
10237	Carbon Tetrachloride	56-23-5	56	U 56	280	49.13
10237	2-Chloro-1,3-butadiene	126-99-8	56	U 56	280	49.13
10237	Chlorobenzene	108-90-7	56	U 56	280	49.13
10237	Chloroethane	75-00-3	110	U 110	280	49.13
10237	Chloroform	67-66-3	56	U 56	280	49.13
10237	Chloromethane	74-87-3	110	U 110	280	49.13
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	280	49.13
10237	Dibromochloromethane	124-48-1	56	U 56	280	49.13
10237	1,2-Dibromoethane	106-93-4	56	U 56	280	49.13
10237	Dibromomethane	74-95-3	56	U 56	280	49.13
10237	trans-1,4-Dichloro-2-butene	110-57-6	560	U 560	2,800	49.13
10237	Dichlorodifluoromethane	75-71-8	110	U 110	280	49.13
10237	1,1-Dichloroethane	75-34-3	56	U 56	280	49.13
10237	1,2-Dichloroethane	107-06-2	56	U 56	280	49.13
10237	1,1-Dichloroethene	75-35-4	56	U 56	280	49.13
10237	cis-1,2-Dichloroethene	156-59-2	56	U 56	280	49.13
10237	trans-1,2-Dichloroethene	156-60-5	56	U 56	280	49.13
10237	1,2-Dichloropropane	78-87-5	56	U 56	280	49.13
10237	cis-1,3-Dichloropropene	10061-01-5	56	U 56	280	49.13
10237	trans-1,3-Dichloropropene	10061-02-6	56	U 56	280	49.13
10237	Ethyl Methacrylate	97-63-2	56	U 56	280	49.13
10237	Ethylbenzene	100-41-4	56	U 56	280	49.13
10237	2-Hexanone	591-78-6	170	U 170	560	49.13
10237	Isobutyl Alcohol	78-83-1	5,600	U 5,600	14,000	49.13
10237	Methacrylonitrile	126-98-7	280	U 280	2,800	49.13
10237	Methyl Iodide	74-88-4	170	U 170	280	49.13
10237	Methyl Methacrylate	80-62-6	56	U 56	280	49.13
10237	4-Methyl-2-pentanone	108-10-1	170	U 170	560	49.13
10237	Methylene Chloride	75-09-2	110	U 110	280	49.13
10237	Pentachloroethane	76-01-7	56	U 56	280	49.13
10237	Propionitrile	107-12-0	1,700	U 1,700	5,600	49.13
10237	Styrene	100-42-5	56	U 56	280	49.13
10237	1,1,1,2-Tetrachloroethane	630-20-6	56	U 56	280	49.13
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	56	U 56	280	49.13
10237	Tetrachloroethene	127-18-4	56	U 56	280	49.13
10237	Toluene	108-88-3	56	U 56	280	49.13
10237	1,1,1-Trichloroethane	71-55-6	56	U 56	280	49.13
10237	1,1,2-Trichloroethane	79-00-5	56	U 56	280	49.13
10237	Trichloroethene	79-01-6	56	U 56	280	49.13
10237	Trichlorofluoromethane	75-69-4	230	J 110	280	49.13

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722028
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	56	U 56	280	49.13
10237	Vinyl Acetate	108-05-4	110	U 110	560	49.13
10237	Vinyl Chloride	75-01-4	56	U 56	280	49.13
10237	Xylene (Total)	1330-20-7	56	U 56	280	49.13
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	12.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 17:06	Kerri E Legerlotz	49.13
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143491356501	12/15/2014 14:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143491356501	12/15/2014 14:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143491356501	12/15/2014 14:20	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722029
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	93	4	19	1
10726	Acenaphthylene	208-96-8	46	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	270	4	19	1
10726	Benzo(a)anthracene	56-55-3	870	4	19	1
10726	Benzo(a)pyrene	50-32-8	820	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	1,100	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	570	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	390	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	26	J 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	820	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	180	4	19	1
10726	Dibenzofuran	132-64-9	43	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722029
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	67	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	1,600	4	19	1
10726	Fluorene	86-73-7	100	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	530	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	18	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	36	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722029
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	990	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	1,200	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ISM 2014

LL Sample # SW 7722029
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN7C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLB026	12/30/2014 03:38	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLB026	12/29/2014 09:30	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 20:15	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ITRC
ISM 2014

LL Sample # SW 7722030
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	26	3.7	19	1
10885	PCB-1260	11096-82-5	26	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	56.2	0.0373	1.13	1
06947	Beryllium	7440-41-7	1.27	0.0756	1.13	1
06949	Cadmium	7440-43-9	0.230 J	0.0373	1.13	1
06951	Chromium	7440-47-3	5.98	0.124	3.39	1
06952	Cobalt	7440-48-4	3.65	0.108	1.13	1
06953	Copper	7440-50-8	9.64	0.373	2.26	1
06961	Nickel	7440-02-0	12.7	0.169	2.26	1
06966	Silver	7440-22-4	3.83	0.215	1.13	1
06969	Tin	7440-31-5	2.38 J	0.485	22.6	1
06971	Vanadium	7440-62-2	16.4	0.103	1.13	1
06972	Zinc	7440-66-6	98.1	0.294	4.52	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.261 J	0.0953	0.452	2
06125	Arsenic	7440-38-2	2.43	0.0964	0.903	2
06135	Lead	7439-92-1	19.1	0.0145	0.452	2
06141	Selenium	7782-49-2	0.488 J	0.113	0.903	2
06145	Thallium	7440-28-0	0.359	0.0339	0.226	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0230 J	0.0108	0.216	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-7C Soil
ITRC
ISM 2014

LL Sample # SW 7722030
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS7C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 22:17	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:26	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:47	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:47	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:47	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:47	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:47	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:00	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722031
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	450	U 450	1,300	55.7
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,400	55.7
10237	Acrolein	107-02-8	1,300	U 1,300	6,400	55.7
10237	Acrylonitrile	107-13-1	260	U 260	1,300	55.7
10237	Allyl Chloride	107-05-1	64	U 64	320	55.7
10237	Benzene	71-43-2	32	U 32	320	55.7
10237	Bromodichloromethane	75-27-4	64	U 64	320	55.7
10237	Bromoform	75-25-2	64	U 64	320	55.7
10237	Bromomethane	74-83-9	130	U 130	320	55.7
10237	2-Butanone	78-93-3	260	U 260	640	55.7
10237	Carbon Disulfide	75-15-0	64	U 64	320	55.7
10237	Carbon Tetrachloride	56-23-5	64	U 64	320	55.7
10237	2-Chloro-1,3-butadiene	126-99-8	64	U 64	320	55.7
10237	Chlorobenzene	108-90-7	64	U 64	320	55.7
10237	Chloroethane	75-00-3	130	U 130	320	55.7
10237	Chloroform	67-66-3	64	U 64	320	55.7
10237	Chloromethane	74-87-3	130	U 130	320	55.7
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	320	55.7
10237	Dibromochloromethane	124-48-1	64	U 64	320	55.7
10237	1,2-Dibromoethane	106-93-4	64	U 64	320	55.7
10237	Dibromomethane	74-95-3	64	U 64	320	55.7
10237	trans-1,4-Dichloro-2-butene	110-57-6	640	U 640	3,200	55.7
10237	Dichlorodifluoromethane	75-71-8	130	U 130	320	55.7
10237	1,1-Dichloroethane	75-34-3	64	U 64	320	55.7
10237	1,2-Dichloroethane	107-06-2	64	U 64	320	55.7
10237	1,1-Dichloroethene	75-35-4	64	U 64	320	55.7
10237	cis-1,2-Dichloroethene	156-59-2	64	U 64	320	55.7
10237	trans-1,2-Dichloroethene	156-60-5	64	U 64	320	55.7
10237	1,2-Dichloropropane	78-87-5	64	U 64	320	55.7
10237	cis-1,3-Dichloropropene	10061-01-5	64	U 64	320	55.7
10237	trans-1,3-Dichloropropene	10061-02-6	64	U 64	320	55.7
10237	Ethyl Methacrylate	97-63-2	64	U 64	320	55.7
10237	Ethylbenzene	100-41-4	64	U 64	320	55.7
10237	2-Hexanone	591-78-6	190	U 190	640	55.7
10237	Isobutyl Alcohol	78-83-1	6,400	U 6,400	16,000	55.7
10237	Methacrylonitrile	126-98-7	320	U 320	3,200	55.7
10237	Methyl Iodide	74-88-4	190	U 190	320	55.7
10237	Methyl Methacrylate	80-62-6	64	U 64	320	55.7
10237	4-Methyl-2-pentanone	108-10-1	190	U 190	640	55.7
10237	Methylene Chloride	75-09-2	130	U 130	320	55.7
10237	Pentachloroethane	76-01-7	64	U 64	320	55.7
10237	Propionitrile	107-12-0	1,900	U 1,900	6,400	55.7
10237	Styrene	100-42-5	64	U 64	320	55.7
10237	1,1,1,2-Tetrachloroethane	630-20-6	64	U 64	320	55.7
10237	1,1,2,2-Tetrachloroethane	79-34-5	64	U 64	320	55.7
10237	Tetrachloroethene	127-18-4	64	U 64	320	55.7
10237	Toluene	108-88-3	64	U 64	320	55.7
10237	1,1,1-Trichloroethane	71-55-6	64	U 64	320	55.7
10237	1,1,2-Trichloroethane	79-00-5	64	U 64	320	55.7
10237	Trichloroethene	79-01-6	64	U 64	320	55.7
10237	Trichlorofluoromethane	75-69-4	130	U 130	320	55.7

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722031
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	64	U 64	320	55.7
10237	Vinyl Acetate	108-05-4	130	U 130	640	55.7
10237	Vinyl Chloride	75-01-4	64	U 64	320	55.7
10237	Xylene (Total)	1330-20-7	64	U 64	320	55.7
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	13.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 17:30	Kerri E Legerlotz	55.7
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143511356501	12/17/2014 10:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143511356501	12/17/2014 10:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143511356501	12/17/2014 10:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143511356501	12/17/2014 10:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722032
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	54	4	19	1
10726	Acenaphthylene	208-96-8	8	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	160	4	19	1
10726	Benzo(a)anthracene	56-55-3	380	4	19	1
10726	Benzo(a)pyrene	50-32-8	360	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	500	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	240	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	180	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	360	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	66	4	19	1
10726	Dibenzofuran	132-64-9	22	J 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722032
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	37	J 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	880	4	19	1
10726	Fluorene	86-73-7	60	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	220	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	7	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	15	J 4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722032
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	600	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	640	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ISM 2014

LL Sample # SW 7722032
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 10:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 20:30	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ITRC
ISM 2014

LL Sample # SW 7722033
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS8A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	19	1
10885	PCB-1232	11141-16-5	9.2 U	9.2	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	26	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	55.3	0.0361	1.09	1
06947	Beryllium	7440-41-7	1.31	0.0733	1.09	1
06949	Cadmium	7440-43-9	0.118 J	0.0361	1.09	1
06951	Chromium	7440-47-3	10.4	0.120	3.28	1
06952	Cobalt	7440-48-4	2.76	0.105	1.09	1
06953	Copper	7440-50-8	8.88	0.361	2.19	1
06961	Nickel	7440-02-0	9.20	0.164	2.19	1
06966	Silver	7440-22-4	0.208 U	0.208	1.09	1
06969	Tin	7440-31-5	3.76 J	0.471	21.9	1
06971	Vanadium	7440-62-2	15.2	0.0996	1.09	1
06972	Zinc	7440-66-6	70.9	0.285	4.38	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.505	0.0924	0.438	2
06125	Arsenic	7440-38-2	2.49	0.0935	0.876	2
06135	Lead	7439-92-1	20.4	0.0141	0.438	2
06141	Selenium	7782-49-2	0.322 J	0.109	0.876	2
06145	Thallium	7440-28-0	0.323	0.0328	0.219	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0239 J	0.0114	0.229	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	13.0	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8A Soil
ITRC
ISM 2014

LL Sample # SW 7722033
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ISS8A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 22:28	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:30	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:49	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:49	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:49	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:49	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:49	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:06	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722034
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	470	U 470	1,300	58.09
10237	Acetonitrile	75-05-8	1,700	U 1,700	6,700	58.09
10237	Acrolein	107-02-8	1,300	U 1,300	6,700	58.09
10237	Acrylonitrile	107-13-1	270	U 270	1,300	58.09
10237	Allyl Chloride	107-05-1	67	U 67	330	58.09
10237	Benzene	71-43-2	33	U 33	330	58.09
10237	Bromodichloromethane	75-27-4	67	U 67	330	58.09
10237	Bromoform	75-25-2	67	U 67	330	58.09
10237	Bromomethane	74-83-9	130	U 130	330	58.09
10237	2-Butanone	78-93-3	270	U 270	670	58.09
10237	Carbon Disulfide	75-15-0	67	U 67	330	58.09
10237	Carbon Tetrachloride	56-23-5	67	U 67	330	58.09
10237	2-Chloro-1,3-butadiene	126-99-8	67	U 67	330	58.09
10237	Chlorobenzene	108-90-7	67	U 67	330	58.09
10237	Chloroethane	75-00-3	130	U 130	330	58.09
10237	Chloroform	67-66-3	67	U 67	330	58.09
10237	Chloromethane	74-87-3	130	U 130	330	58.09
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	330	58.09
10237	Dibromochloromethane	124-48-1	67	U 67	330	58.09
10237	1,2-Dibromoethane	106-93-4	67	U 67	330	58.09
10237	Dibromomethane	74-95-3	67	U 67	330	58.09
10237	trans-1,4-Dichloro-2-butene	110-57-6	670	U 670	3,300	58.09
10237	Dichlorodifluoromethane	75-71-8	130	U 130	330	58.09
10237	1,1-Dichloroethane	75-34-3	67	U 67	330	58.09
10237	1,2-Dichloroethane	107-06-2	67	U 67	330	58.09
10237	1,1-Dichloroethene	75-35-4	67	U 67	330	58.09
10237	cis-1,2-Dichloroethene	156-59-2	67	U 67	330	58.09
10237	trans-1,2-Dichloroethene	156-60-5	67	U 67	330	58.09
10237	1,2-Dichloropropane	78-87-5	67	U 67	330	58.09
10237	cis-1,3-Dichloropropene	10061-01-5	67	U 67	330	58.09
10237	trans-1,3-Dichloropropene	10061-02-6	67	U 67	330	58.09
10237	Ethyl Methacrylate	97-63-2	67	U 67	330	58.09
10237	Ethylbenzene	100-41-4	67	U 67	330	58.09
10237	2-Hexanone	591-78-6	200	U 200	670	58.09
10237	Isobutyl Alcohol	78-83-1	6,700	U 6,700	17,000	58.09
10237	Methacrylonitrile	126-98-7	330	U 330	3,300	58.09
10237	Methyl Iodide	74-88-4	200	U 200	330	58.09
10237	Methyl Methacrylate	80-62-6	67	U 67	330	58.09
10237	4-Methyl-2-pentanone	108-10-1	200	U 200	670	58.09
10237	Methylene Chloride	75-09-2	130	U 130	330	58.09
10237	Pentachloroethane	76-01-7	67	U 67	330	58.09
10237	Propionitrile	107-12-0	2,000	U 2,000	6,700	58.09
10237	Styrene	100-42-5	67	U 67	330	58.09
10237	1,1,1,2-Tetrachloroethane	630-20-6	67	U 67	330	58.09
10237	1,1,1,2-Tetrachloroethane	79-34-5	67	U 67	330	58.09
10237	Tetrachloroethene	127-18-4	67	U 67	330	58.09
10237	Toluene	108-88-3	67	U 67	330	58.09
10237	1,1,1-Trichloroethane	71-55-6	67	U 67	330	58.09
10237	1,1,2-Trichloroethane	79-00-5	67	U 67	330	58.09
10237	Trichloroethene	79-01-6	67	U 67	330	58.09
10237	Trichlorofluoromethane	75-69-4	130	U 130	330	58.09

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722034
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	67	U 67	330	58.09
10237	Vinyl Acetate	108-05-4	130	U 130	670	58.09
10237	Vinyl Chloride	75-01-4	67	U 67	330	58.09
10237	Xylene (Total)	1330-20-7	67	U 67	330	58.09
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 17:53	Kerri E Legerlotz	58.09
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143511356501	12/17/2014 10:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143511356501	12/17/2014 10:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143511356501	12/17/2014 10:20	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143511356501	12/17/2014 10:20	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722035
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	81	4	19	1
10726	Acenaphthylene	208-96-8	6	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	190	4	19	1
10726	Benzo(a)anthracene	56-55-3	510	4	19	1
10726	Benzo(a)pyrene	50-32-8	490	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	640	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	320	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	290	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	490	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	96	4	19	1
10726	Dibenzofuran	132-64-9	41	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722035
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	56	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	1,000	4	19	1
10726	Fluorene	86-73-7	78	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	300	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	15	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	31	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722035
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	730	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	830	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethylthiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ISM 2014

LL Sample # SW 7722035
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN8B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 11:02	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 20:44	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ITRC
ISM 2014

LL Sample # SW 7722036
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ISS8B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	3.8 U	3.8	19	1
10885	PCB-1260	11096-82-5	80	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	64.9	0.0371	1.12	1
06947	Beryllium	7440-41-7	1.26	0.0752	1.12	1
06949	Cadmium	7440-43-9	0.211 J	0.0371	1.12	1
06951	Chromium	7440-47-3	12.5	0.124	3.37	1
06952	Cobalt	7440-48-4	3.02	0.108	1.12	1
06953	Copper	7440-50-8	11.1	0.371	2.25	1
06961	Nickel	7440-02-0	11.2	0.168	2.25	1
06966	Silver	7440-22-4	0.213 U	0.213	1.12	1
06969	Tin	7440-31-5	3.88 J	0.483	22.5	1
06971	Vanadium	7440-62-2	20.5	0.102	1.12	1
06972	Zinc	7440-66-6	78.8	0.292	4.49	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.577	0.0948	0.449	2
06125	Arsenic	7440-38-2	2.50	0.0959	0.898	2
06135	Lead	7439-92-1	18.8	0.0360	1.12	5
06141	Selenium	7782-49-2	0.347 J	0.112	0.898	2
06145	Thallium	7440-28-0	0.306	0.0337	0.225	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0287 J	0.0109	0.218	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8B Soil
ITRC
ISM 2014

LL Sample # SW 7722036
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS8B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 22:40	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:34	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:51	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:51	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 09:47	Choon Y Tian	5
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:51	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:51	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:08	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722037
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISV8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	400	U 400	1,100	47.37
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,700	47.37
10237	Acrolein	107-02-8	1,100	U 1,100	5,700	47.37
10237	Acrylonitrile	107-13-1	230	U 230	1,100	47.37
10237	Allyl Chloride	107-05-1	57	U 57	280	47.37
10237	Benzene	71-43-2	28	U 28	280	47.37
10237	Bromodichloromethane	75-27-4	57	U 57	280	47.37
10237	Bromoform	75-25-2	57	U 57	280	47.37
10237	Bromomethane	74-83-9	110	U 110	280	47.37
10237	2-Butanone	78-93-3	230	U 230	570	47.37
10237	Carbon Disulfide	75-15-0	57	U 57	280	47.37
10237	Carbon Tetrachloride	56-23-5	57	U 57	280	47.37
10237	2-Chloro-1,3-butadiene	126-99-8	57	U 57	280	47.37
10237	Chlorobenzene	108-90-7	57	U 57	280	47.37
10237	Chloroethane	75-00-3	110	U 110	280	47.37
10237	Chloroform	67-66-3	57	U 57	280	47.37
10237	Chloromethane	74-87-3	110	U 110	280	47.37
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	280	47.37
10237	Dibromochloromethane	124-48-1	57	U 57	280	47.37
10237	1,2-Dibromoethane	106-93-4	57	U 57	280	47.37
10237	Dibromomethane	74-95-3	57	U 57	280	47.37
10237	trans-1,4-Dichloro-2-butene	110-57-6	570	U 570	2,800	47.37
10237	Dichlorodifluoromethane	75-71-8	110	U 110	280	47.37
10237	1,1-Dichloroethane	75-34-3	57	U 57	280	47.37
10237	1,2-Dichloroethane	107-06-2	57	U 57	280	47.37
10237	1,1-Dichloroethene	75-35-4	57	U 57	280	47.37
10237	cis-1,2-Dichloroethene	156-59-2	57	U 57	280	47.37
10237	trans-1,2-Dichloroethene	156-60-5	57	U 57	280	47.37
10237	1,2-Dichloropropane	78-87-5	57	U 57	280	47.37
10237	cis-1,3-Dichloropropene	10061-01-5	57	U 57	280	47.37
10237	trans-1,3-Dichloropropene	10061-02-6	57	U 57	280	47.37
10237	Ethyl Methacrylate	97-63-2	57	U 57	280	47.37
10237	Ethylbenzene	100-41-4	57	U 57	280	47.37
10237	2-Hexanone	591-78-6	170	U 170	570	47.37
10237	Isobutyl Alcohol	78-83-1	5,700	U 5,700	14,000	47.37
10237	Methacrylonitrile	126-98-7	280	U 280	2,800	47.37
10237	Methyl Iodide	74-88-4	170	U 170	280	47.37
10237	Methyl Methacrylate	80-62-6	57	U 57	280	47.37
10237	4-Methyl-2-pentanone	108-10-1	170	U 170	570	47.37
10237	Methylene Chloride	75-09-2	110	U 110	280	47.37
10237	Pentachloroethane	76-01-7	57	U 57	280	47.37
10237	Propionitrile	107-12-0	1,700	U 1,700	5,700	47.37
10237	Styrene	100-42-5	57	U 57	280	47.37
10237	1,1,1,2-Tetrachloroethane	630-20-6	57	U 57	280	47.37
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	57	U 57	280	47.37
10237	Tetrachloroethene	127-18-4	57	U 57	280	47.37
10237	Toluene	108-88-3	57	U 57	280	47.37
10237	1,1,1-Trichloroethane	71-55-6	57	U 57	280	47.37
10237	1,1,2-Trichloroethane	79-00-5	57	U 57	280	47.37
10237	Trichloroethene	79-01-6	57	U 57	280	47.37
10237	Trichlorofluoromethane	75-69-4	110	U 110	280	47.37

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722037
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	57	U 57	280	47.37
10237	Vinyl Acetate	108-05-4	110	U 110	570	47.37
10237	Vinyl Chloride	75-01-4	57	U 57	280	47.37
10237	Xylene (Total)	1330-20-7	57	U 57	280	47.37
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	16.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 18:16	Kerri E Legerlotz	47.37
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143511356501	12/17/2014 10:25	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143511356501	12/17/2014 10:25	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143511356501	12/17/2014 10:25	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143511356501	12/17/2014 10:25	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722038
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	500	4	20	1
10726	Acenaphthylene	208-96-8	11	J 4	20	1
10726	Acetophenone	98-86-2	20	U 20	40	1
10726	2-Acetylaminofluorene	53-96-3	79	U 79	200	1
10726	4-Aminobiphenyl	92-67-1	200	U 200	600	1
10726	Aniline	62-53-3	200	U 200	600	1
10726	Anthracene	120-12-7	1,400	4	20	1
10726	Benzo(a)anthracene	56-55-3	3,600	4	20	1
10726	Benzo(a)pyrene	50-32-8	2,800	4	20	1
10726	Benzo(b)fluoranthene	205-99-2	3,900	4	20	1
10726	Benzo(g,h,i)perylene	191-24-2	1,700	4	20	1
10726	Benzo(k)fluoranthene	207-08-9	1,300	4	20	1
10726	Benzyl alcohol	100-51-6	200	U 200	600	1
10726	1,1'-Biphenyl	92-52-4	43	20	40	1
10726	4-Bromophenyl-phenylether	101-55-3	20	U 20	40	1
10726	Butylbenzylphthalate	85-68-7	79	U 79	200	1
10726	Di-n-butylphthalate	84-74-2	79	U 79	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20	U 20	40	1
10726	4-Chloroaniline	106-47-8	20	U 20	40	1
10726	Chlorobenzilate	510-15-6	40	U 40	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20	U 20	40	1
10726	bis(2-Chloroethyl)ether	111-44-4	20	U 20	40	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20	U 20	40	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	39	1
10726	2-Chlorophenol	95-57-8	20	U 20	40	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20	U 20	40	1
10726	Chrysene	218-01-9	3,200	4	20	1
10726	Diallate TRANS/CIS	2303-16-4	40	U 40	200	1
10726	Dibenz(a,h)anthracene	53-70-3	560	4	20	1
10726	Dibenzofuran	132-64-9	270	20	40	1
10726	1,2-Dichlorobenzene	95-50-1	20	U 20	40	1
10726	1,3-Dichlorobenzene	541-73-1	20	U 20	40	1
10726	1,4-Dichlorobenzene	106-46-7	20	U 20	40	1
10726	3,3'-Dichlorobenzidine	91-94-1	120	U 120	400	1
10726	2,4-Dichlorophenol	120-83-2	20	U 20	40	1
10726	2,6-Dichlorophenol	87-65-0	20	U 20	40	1
10726	Diethylphthalate	84-66-2	79	U 79	200	1
10726	Dimethoate	60-51-5	200	U 200	600	1
10726	p-Dimethylaminoazobenzene	60-11-7	79	U 79	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20	U 20	40	1
10726	3,3'-Dimethylbenzidine	119-93-7	600	U 600	1,200	1
10726	2,4-Dimethylphenol	105-67-9	20	U 20	40	1
10726	Dimethylphthalate	131-11-3	79	U 79	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	600	1
10726	1,3-Dinitrobenzene	99-65-0	79	U 79	200	1
10726	2,4-Dinitrophenol	51-28-5	360	U 360	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	79	U 79	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722038
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	40	1
10726	1,4-Dioxane	123-91-1	120	U 120	400	1
10726	Diphenyl ether	101-84-8	48	20	40	1
10726	Ethyl methanesulfonate	62-50-0	79	U 79	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	79	U 79	200	1
10726	Fluoranthene	206-44-0	6,600	8	41	2
10726	Fluorene	86-73-7	610	4	20	1
10726	Hexachlorobenzene	118-74-1	4	U 4	20	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	40	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	600	1
10726	Hexachloroethane	67-72-1	40	U 40	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	400	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,600	4	20	1
10726	Isodrin	465-73-6	20	U 20	40	1
10726	Isophorone	78-59-1	20	U 20	40	1
10726	Isosafrole	120-58-1	79	U 79	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	40	U 40	200	1
10726	3-Methylcholanthrene	56-49-5	68	20	40	1
10726	2-Methylnaphthalene	91-57-6	84	4	20	1
10726	2-Methylphenol	95-48-7	20	U 20	40	1
10726	4-Methylphenol	106-44-5	20	U 20	40	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	200	4	20	1
10726	1,4-Naphthoquinone	130-15-4	990	U 990	4,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	600	1
10726	2-Naphthylamine	91-59-8	200	U 200	600	1
10726	2-Nitroaniline	88-74-4	20	U 20	40	1
10726	3-Nitroaniline	99-09-2	79	U 79	200	1
10726	4-Nitroaniline	100-01-6	79	U 79	200	1
10726	Nitrobenzene	98-95-3	20	U 20	40	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	600	1
10726	2-Nitrophenol	88-75-5	20	U 20	40	1
10726	4-Nitrophenol	100-02-7	200	U 200	600	1
10726	4-Nitroquinoline-1-oxide	56-57-5	400	U 400	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	40	1
10726	N-Nitrosodimethylamine	62-75-9	79	U 79	200	1
10726	N-Nitrosodi-n-butylamine	924-16-3	79	U 79	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	40	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	40	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722038
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	79	U 79	200	1
10726	N-Nitrosomorpholine	59-89-2	79	U 79	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	40	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	40	1
10726	Di-n-octylphthalate	117-84-0	79	U 79	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	40	1
10726	Pentachloronitrobenzene	82-68-8	79	U 79	200	1
10726	Pentachlorophenol	87-86-5	40	U 40	200	1
10726	Phenacetin	62-44-2	79	U 79	200	1
10726	Phenanthrene	85-01-8	4,300	4	20	1
10726	Phenol	108-95-2	20	U 20	40	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	40,000	1
10726	2-Picoline	109-06-8	120	U 120	400	1
10726	Pronamide	23950-58-5	40	U 40	200	1
10726	Pyrene	129-00-0	5,100	8	41	2
10726	Pyridine	110-86-1	79	U 79	200	1
10726	Safrole	94-59-7	79	U 79	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	40	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	79	U 79	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	79	U 79	200	1
10726	Thionazin	297-97-2	79	U 79	200	1
10726	o-Toluidine	95-53-4	240	U 240	790	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	40	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	40	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	40	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	79	U 79	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	600	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.0	U 6.0	12	1
12925	Ethylene glycol	107-21-1	6.0	U 6.0	12	1
12925	Propylene glycol	57-55-6	6.0	U 6.0	12	1
12925	Triethylene glycol	112-27-6	6.0	U 6.0	12	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	16.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ISM 2014

LL Sample # SW 7722038
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN8C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 11:27	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 14:44	Linda M Hartenstine	2
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 20:59	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ITRC
ISM 2014

LL Sample # SW 7722039
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS8C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.3 U	4.3	20	1
10885	PCB-1221	11104-28-2	5.5 U	5.5	20	1
10885	PCB-1232	11141-16-5	9.5 U	9.5	20	1
10885	PCB-1242	53469-21-9	3.9 U	3.9	20	1
10885	PCB-1248	12672-29-6	3.9 U	3.9	20	1
10885	PCB-1254	11097-69-1	72	3.9	20	1
10885	PCB-1260	11096-82-5	5.8 U	5.8	20	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	56.5	0.0388	1.18	1
06947	Beryllium	7440-41-7	1.45	0.0788	1.18	1
06949	Cadmium	7440-43-9	0.182 J	0.0388	1.18	1
06951	Chromium	7440-47-3	10.9	0.129	3.53	1
06952	Cobalt	7440-48-4	3.18	0.113	1.18	1
06953	Copper	7440-50-8	16.0	0.388	2.35	1
06961	Nickel	7440-02-0	12.9	0.176	2.35	1
06966	Silver	7440-22-4	0.223 U	0.223	1.18	1
06969	Tin	7440-31-5	4.59 J	0.505	23.5	1
06971	Vanadium	7440-62-2	18.4	0.107	1.18	1
06972	Zinc	7440-66-6	80.1	0.306	4.70	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.657	0.0992	0.470	2
06125	Arsenic	7440-38-2	2.69	0.100	0.940	2
06135	Lead	7439-92-1	21.2	0.0151	0.470	2
06141	Selenium	7782-49-2	0.331 J	0.118	0.940	2
06145	Thallium	7440-28-0	0.287	0.0353	0.235	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0345 J	0.0118	0.237	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	16.6	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-8C Soil
ITRC
ISM 2014

LL Sample # SW 7722039
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ISS8C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 22:51	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:38	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:54	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:54	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:54	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:54	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:54	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:10	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722040
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	570	U 570	1,600	72.95
10237	Acetonitrile	75-05-8	2,000	U 2,000	8,200	72.95
10237	Acrolein	107-02-8	1,600	U 1,600	8,200	72.95
10237	Acrylonitrile	107-13-1	330	U 330	1,600	72.95
10237	Allyl Chloride	107-05-1	82	U 82	410	72.95
10237	Benzene	71-43-2	41	U 41	410	72.95
10237	Bromodichloromethane	75-27-4	82	U 82	410	72.95
10237	Bromoform	75-25-2	82	U 82	410	72.95
10237	Bromomethane	74-83-9	160	U 160	410	72.95
10237	2-Butanone	78-93-3	330	U 330	820	72.95
10237	Carbon Disulfide	75-15-0	82	U 82	410	72.95
10237	Carbon Tetrachloride	56-23-5	82	U 82	410	72.95
10237	2-Chloro-1,3-butadiene	126-99-8	82	U 82	410	72.95
10237	Chlorobenzene	108-90-7	82	U 82	410	72.95
10237	Chloroethane	75-00-3	160	U 160	410	72.95
10237	Chloroform	67-66-3	82	U 82	410	72.95
10237	Chloromethane	74-87-3	160	U 160	410	72.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	160	U 160	410	72.95
10237	Dibromochloromethane	124-48-1	82	U 82	410	72.95
10237	1,2-Dibromoethane	106-93-4	82	U 82	410	72.95
10237	Dibromomethane	74-95-3	82	U 82	410	72.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	820	U 820	4,100	72.95
10237	Dichlorodifluoromethane	75-71-8	160	U 160	410	72.95
10237	1,1-Dichloroethane	75-34-3	82	U 82	410	72.95
10237	1,2-Dichloroethane	107-06-2	82	U 82	410	72.95
10237	1,1-Dichloroethene	75-35-4	82	U 82	410	72.95
10237	cis-1,2-Dichloroethene	156-59-2	82	U 82	410	72.95
10237	trans-1,2-Dichloroethene	156-60-5	82	U 82	410	72.95
10237	1,2-Dichloropropane	78-87-5	82	U 82	410	72.95
10237	cis-1,3-Dichloropropene	10061-01-5	82	U 82	410	72.95
10237	trans-1,3-Dichloropropene	10061-02-6	82	U 82	410	72.95
10237	Ethyl Methacrylate	97-63-2	82	U 82	410	72.95
10237	Ethylbenzene	100-41-4	82	U 82	410	72.95
10237	2-Hexanone	591-78-6	250	U 250	820	72.95
10237	Isobutyl Alcohol	78-83-1	8,200	U 8,200	20,000	72.95
10237	Methacrylonitrile	126-98-7	410	U 410	4,100	72.95
10237	Methyl Iodide	74-88-4	250	U 250	410	72.95
10237	Methyl Methacrylate	80-62-6	82	U 82	410	72.95
10237	4-Methyl-2-pentanone	108-10-1	250	U 250	820	72.95
10237	Methylene Chloride	75-09-2	160	U 160	410	72.95
10237	Pentachloroethane	76-01-7	82	U 82	410	72.95
10237	Propionitrile	107-12-0	2,500	U 2,500	8,200	72.95
10237	Styrene	100-42-5	82	U 82	410	72.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	82	U 82	410	72.95
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	82	U 82	410	72.95
10237	Tetrachloroethene	127-18-4	82	U 82	410	72.95
10237	Toluene	108-88-3	82	U 82	410	72.95
10237	1,1,1-Trichloroethane	71-55-6	82	U 82	410	72.95
10237	1,1,2-Trichloroethane	79-00-5	82	U 82	410	72.95
10237	Trichloroethene	79-01-6	82	U 82	410	72.95
10237	Trichlorofluoromethane	75-69-4	160	U 160	410	72.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722040
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	82	U 82	410	72.95
10237	Vinyl Acetate	108-05-4	160	U 160	820	72.95
10237	Vinyl Chloride	75-01-4	82	U 82	410	72.95
10237	Xylene (Total)	1330-20-7	82	U 82	410	72.95
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	10.7	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 14:24	Kerri E Legerlotz	72.95
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143521356501	12/18/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722041
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	10,000	570	1,600	72.95
10237	Acetonitrile	75-05-8	11,000	2,000	8,200	72.95
10237	Acrolein	107-02-8	10,000	1,600	8,200	72.95
10237	Acrylonitrile	107-13-1	7,300	330	1,600	72.95
10237	Allyl Chloride	107-05-1	1,700	82	410	72.95
10237	Benzene	71-43-2	1,700	41	410	72.95
10237	Bromodichloromethane	75-27-4	1,600	82	410	72.95
10237	Bromoform	75-25-2	1,500	82	410	72.95
10237	Bromomethane	74-83-9	2,100	160	410	72.95
10237	2-Butanone	78-93-3	11,000	330	820	72.95
10237	Carbon Disulfide	75-15-0	1,100	82	410	72.95
10237	Carbon Tetrachloride	56-23-5	1,700	82	410	72.95
10237	2-Chloro-1,3-butadiene	126-99-8	1,600	82	410	72.95
10237	Chlorobenzene	108-90-7	1,600	82	410	72.95
10237	Chloroethane	75-00-3	1,700	160	410	72.95
10237	Chloroform	67-66-3	1,800	82	410	72.95
10237	Chloromethane	74-87-3	1,600	160	410	72.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	1,500	160	410	72.95
10237	Dibromochloromethane	124-48-1	1,600	82	410	72.95
10237	1,2-Dibromoethane	106-93-4	1,700	82	410	72.95
10237	Dibromomethane	74-95-3	1,700	82	410	72.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	9,500	820	4,100	72.95
10237	Dichlorodifluoromethane	75-71-8	1,700	160	410	72.95
10237	1,1-Dichloroethane	75-34-3	1,600	82	410	72.95
10237	1,2-Dichloroethane	107-06-2	1,900	82	410	72.95
10237	1,1-Dichloroethene	75-35-4	1,600	82	410	72.95
10237	cis-1,2-Dichloroethene	156-59-2	1,600	82	410	72.95
10237	trans-1,2-Dichloroethene	156-60-5	1,700	82	410	72.95
10237	1,2-Dichloropropane	78-87-5	1,700	82	410	72.95
10237	cis-1,3-Dichloropropene	10061-01-5	1,600	82	410	72.95
10237	trans-1,3-Dichloropropene	10061-02-6	1,700	82	410	72.95
10237	Ethyl Methacrylate	97-63-2	1,500	82	410	72.95
10237	Ethylbenzene	100-41-4	1,600	82	410	72.95
10237	2-Hexanone	591-78-6	8,200	250	820	72.95
10237	Isobutyl Alcohol	78-83-1	43,000	8,200	20,000	72.95
10237	Methacrylonitrile	126-98-7	12,000	410	4,100	72.95
10237	Methyl Iodide	74-88-4	1,500	250	410	72.95
10237	Methyl Methacrylate	80-62-6	1,600	82	410	72.95
10237	4-Methyl-2-pentanone	108-10-1	8,000	250	820	72.95
10237	Methylene Chloride	75-09-2	1,600	160	410	72.95
10237	Pentachloroethane	76-01-7	1,500	82	410	72.95
10237	Propionitrile	107-12-0	12,000	2,500	8,200	72.95
10237	Styrene	100-42-5	1,500	82	410	72.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	1,600	82	410	72.95
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1,600	82	410	72.95
10237	Tetrachloroethene	127-18-4	1,600	82	410	72.95
10237	Toluene	108-88-3	1,600	82	410	72.95
10237	1,1,1-Trichloroethane	71-55-6	1,600	82	410	72.95
10237	1,1,2-Trichloroethane	79-00-5	1,600	82	410	72.95
10237	Trichloroethene	79-01-6	1,700	82	410	72.95
10237	Trichlorofluoromethane	75-69-4	1,700	160	410	72.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722041
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1,700	82	410	72.95
10237	Vinyl Acetate	108-05-4	5,500	160	820	72.95
10237	Vinyl Chloride	75-01-4	1,500	82	410	72.95
10237	Xylene (Total)	1330-20-7	4,700	82	410	72.95
Wet Chemistry			SM 2540 G-1997	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 14:47	Kerri E Legerlotz	72.95
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 15:33	Kerri E Legerlotz	72.95
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143521356501	12/18/2014 16:15	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722042
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	12,000	570	1,600	72.95
10237	Acetonitrile	75-05-8	12,000	2,000	8,200	72.95
10237	Acrolein	107-02-8	11,000	1,600	8,200	72.95
10237	Acrylonitrile	107-13-1	7,800	330	1,600	72.95
10237	Allyl Chloride	107-05-1	1,800	82	410	72.95
10237	Benzene	71-43-2	1,700	41	410	72.95
10237	Bromodichloromethane	75-27-4	1,700	82	410	72.95
10237	Bromoform	75-25-2	1,600	82	410	72.95
10237	Bromomethane	74-83-9	2,200	160	410	72.95
10237	2-Butanone	78-93-3	12,000	330	820	72.95
10237	Carbon Disulfide	75-15-0	1,200	82	410	72.95
10237	Carbon Tetrachloride	56-23-5	1,900	82	410	72.95
10237	2-Chloro-1,3-butadiene	126-99-8	1,700	82	410	72.95
10237	Chlorobenzene	108-90-7	1,700	82	410	72.95
10237	Chloroethane	75-00-3	1,700	160	410	72.95
10237	Chloroform	67-66-3	1,800	82	410	72.95
10237	Chloromethane	74-87-3	1,700	160	410	72.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	1,600	160	410	72.95
10237	Dibromochloromethane	124-48-1	1,700	82	410	72.95
10237	1,2-Dibromoethane	106-93-4	1,800	82	410	72.95
10237	Dibromomethane	74-95-3	1,700	82	410	72.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	10,000	820	4,100	72.95
10237	Dichlorodifluoromethane	75-71-8	1,800	160	410	72.95
10237	1,1-Dichloroethane	75-34-3	1,800	82	410	72.95
10237	1,2-Dichloroethane	107-06-2	2,000	82	410	72.95
10237	1,1-Dichloroethene	75-35-4	1,700	82	410	72.95
10237	cis-1,2-Dichloroethene	156-59-2	1,800	82	410	72.95
10237	trans-1,2-Dichloroethene	156-60-5	1,800	82	410	72.95
10237	1,2-Dichloropropane	78-87-5	1,800	82	410	72.95
10237	cis-1,3-Dichloropropene	10061-01-5	1,700	82	410	72.95
10237	trans-1,3-Dichloropropene	10061-02-6	1,800	82	410	72.95
10237	Ethyl Methacrylate	97-63-2	1,600	82	410	72.95
10237	Ethylbenzene	100-41-4	1,700	82	410	72.95
10237	2-Hexanone	591-78-6	8,700	250	820	72.95
10237	Isobutyl Alcohol	78-83-1	46,000	8,200	20,000	72.95
10237	Methacrylonitrile	126-98-7	13,000	410	4,100	72.95
10237	Methyl Iodide	74-88-4	1,600	250	410	72.95
10237	Methyl Methacrylate	80-62-6	1,700	82	410	72.95
10237	4-Methyl-2-pentanone	108-10-1	8,500	250	820	72.95
10237	Methylene Chloride	75-09-2	1,800	160	410	72.95
10237	Pentachloroethane	76-01-7	1,600	82	410	72.95
10237	Propionitrile	107-12-0	13,000	2,500	8,200	72.95
10237	Styrene	100-42-5	1,700	82	410	72.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	1,800	82	410	72.95
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1,600	82	410	72.95
10237	Tetrachloroethene	127-18-4	1,700	82	410	72.95
10237	Toluene	108-88-3	1,700	82	410	72.95
10237	1,1,1-Trichloroethane	71-55-6	1,700	82	410	72.95
10237	1,1,2-Trichloroethane	79-00-5	1,800	82	410	72.95
10237	Trichloroethene	79-01-6	1,800	82	410	72.95
10237	Trichlorofluoromethane	75-69-4	1,900	160	410	72.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722042
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1,900	82	410	72.95
10237	Vinyl Acetate	108-05-4	6,000	160	820	72.95
10237	Vinyl Chloride	75-01-4	1,700	82	410	72.95
10237	Xylene (Total)	1330-20-7	5,100	82	410	72.95
Wet Chemistry			SM 2540 G-1997	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 15:10	Kerri E Legerlotz	72.95
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 15:57	Kerri E Legerlotz	72.95
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143521356501	12/18/2014 16:15	Client Supplied	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722043
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	6	J 4	19	1
10726	Acenaphthylene	208-96-8	6	J 4	19	1
10726	Acetophenone	98-86-2	18	U 18	37	1
10726	2-Acetylaminofluorene	53-96-3	74	U 74	180	1
10726	4-Aminobiphenyl	92-67-1	180	U 180	550	1
10726	Aniline	62-53-3	180	U 180	550	1
10726	Anthracene	120-12-7	17	J 4	19	1
10726	Benzo(a)anthracene	56-55-3	57	4	19	1
10726	Benzo(a)pyrene	50-32-8	41	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	62	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	26	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	24	4	19	1
10726	Benzyl alcohol	100-51-6	180	U 180	550	1
10726	1,1'-Biphenyl	92-52-4	18	U 18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	18	U 18	37	1
10726	Butylbenzylphthalate	85-68-7	74	U 74	180	1
10726	Di-n-butylphthalate	84-74-2	74	U 74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	18	U 18	37	1
10726	4-Chloroaniline	106-47-8	18	U 18	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	18	U 18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	18	U 18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	18	U 18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	18	U 18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	18	U 18	37	1
10726	Chrysene	218-01-9	49	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	10	J 4	19	1
10726	Dibenzofuran	132-64-9	18	U 18	37	1
10726	1,2-Dichlorobenzene	95-50-1	18	U 18	37	1
10726	1,3-Dichlorobenzene	541-73-1	18	U 18	37	1
10726	1,4-Dichlorobenzene	106-46-7	18	U 18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	18	U 18	37	1
10726	2,6-Dichlorophenol	87-65-0	18	U 18	37	1
10726	Diethylphthalate	84-66-2	74	U 74	180	1
10726	Dimethoate	60-51-5	180	U 180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	74	U 74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	18	U 18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	550	U 550	1,100	1
10726	2,4-Dimethylphenol	105-67-9	18	U 18	37	1
10726	Dimethylphthalate	131-11-3	74	U 74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	180	U 180	550	1
10726	1,3-Dinitrobenzene	99-65-0	74	U 74	180	1
10726	2,4-Dinitrophenol	51-28-5	330	U 330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	74	U 74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722043
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	18	U 18	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	18	U 18	37	1
10726	Ethyl methanesulfonate	62-50-0	74	U 74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	74	U 74	190	1
10726	Fluoranthene	206-44-0	76	4	19	1
10726	Fluorene	86-73-7	7	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	18	U 18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	180	U 180	550	1
10726	Hexachloroethane	67-72-1	37	U 37	180	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	24	4	19	1
10726	Isodrin	465-73-6	18	U 18	37	1
10726	Isophorone	78-59-1	18	U 18	37	1
10726	Isosafrole	120-58-1	74	U 74	180	1
10726	Methapyrilene	91-80-5	1,800	U 1,800	5,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	180	1
10726	3-Methylcholanthrene	56-49-5	18	U 18	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	18	U 18	37	1
10726	4-Methylphenol	106-44-5	18	U 18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	920	U 920	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	180	U 180	550	1
10726	2-Naphthylamine	91-59-8	180	U 180	550	1
10726	2-Nitroaniline	88-74-4	18	U 18	37	1
10726	3-Nitroaniline	99-09-2	74	U 74	180	1
10726	4-Nitroaniline	100-01-6	74	U 74	180	1
10726	Nitrobenzene	98-95-3	18	U 18	37	1
10726	5-Nitro-o-toluidine	99-55-8	180	U 180	550	1
10726	2-Nitrophenol	88-75-5	18	U 18	37	1
10726	4-Nitrophenol	100-02-7	180	U 180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	18	U 18	37	1
10726	N-Nitrosodimethylamine	62-75-9	74	U 74	180	1
10726	N-Nitrosodi-n-butylamine	924-16-3	74	U 74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	18	U 18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	18	U 18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722043
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

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4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
			ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	74	U 74	180	1
10726	N-Nitrosomorpholine	59-89-2	74	U 74	180	1
10726	N-Nitrosopiperidine	100-75-4	18	U 18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	18	U 18	37	1
10726	Di-n-octylphthalate	117-84-0	74	U 74	180	1
10726	Pentachlorobenzene	608-93-5	18	U 18	37	1
10726	Pentachloronitrobenzene	82-68-8	74	U 74	180	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	74	U 74	180	1
10726	Phenanthrene	85-01-8	42	4	19	1
10726	Phenol	108-95-2	18	U 18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	180	1
10726	Pyrene	129-00-0	86	4	19	1
10726	Pyridine	110-86-1	74	U 74	180	1
10726	Safrole	94-59-7	74	U 74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	18	U 18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	74	U 74	180	1
10726	Tetraethylthiopyrophosphate	3689-24-5	74	U 74	180	1
10726	Thionazin	297-97-2	74	U 74	180	1
10726	o-Toluidine	95-53-4	220	U 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	18	U 18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	18	U 18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	18	U 18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	74	U 74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	180	U 180	550	1
GC Miscellaneous SW-846 8015C Feb 2007						
			mg/kg	mg/kg	mg/kg	
			Rev 3			
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1
Wet Chemistry SW-846 7196A						
			mg/kg	mg/kg	mg/kg	
00425	Hexavalent Chromium	18540-29-9	0.56	U 0.56	1.7	1
Wet Chemistry SM 2540 G-1997						
			%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ISM 2014

LL Sample # SW 7722043
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 04:02	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 21:44	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	1
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722044
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,800	4	19	1
10726	Acenaphthylene	208-96-8	1,900	4	19	1
10726	Acetophenone	98-86-2	1,700	18	37	1
10726	2-Acetylaminofluorene	53-96-3	1,900	74	180	1
10726	4-Aminobiphenyl	92-67-1	570	180	550	1
10726	Aniline	62-53-3	970	180	550	1
10726	Anthracene	120-12-7	1,800	4	19	1
10726	Benzo(a)anthracene	56-55-3	1,700	4	19	1
10726	Benzo(a)pyrene	50-32-8	1,800	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	2,000	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,800	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	19	1
10726	Benzyl alcohol	100-51-6	1,800	180	550	1
10726	1,1'-Biphenyl	92-52-4	1,700	18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	1,900	18	37	1
10726	Butylbenzylphthalate	85-68-7	1,800	74	180	1
10726	Di-n-butylphthalate	84-74-2	1,900	74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	1,800	18	37	1
10726	4-Chloroaniline	106-47-8	470	18	37	1
10726	Chlorobenzilate	510-15-6	2,100	37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,800	18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,900	18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,900	18	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	1,600	8	36	1
10726	2-Chlorophenol	95-57-8	1,900	18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,700	18	37	1
10726	Chrysene	218-01-9	1,700	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	2,200	37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	1,900	4	19	1
10726	Dibenzofuran	132-64-9	1,700	18	37	1
10726	1,2-Dichlorobenzene	95-50-1	1,700	18	37	1
10726	1,3-Dichlorobenzene	541-73-1	1,800	18	37	1
10726	1,4-Dichlorobenzene	106-46-7	1,800	18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,100	110	370	1
10726	2,4-Dichlorophenol	120-83-2	1,800	18	37	1
10726	2,6-Dichlorophenol	87-65-0	1,800	18	37	1
10726	Diethylphthalate	84-66-2	1,700	74	180	1
10726	Dimethoate	60-51-5	1,700	180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	1,900	74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,800	18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	580	J 550	1,100	1
10726	2,4-Dimethylphenol	105-67-9	1,800	18	37	1
10726	Dimethylphthalate	131-11-3	1,700	74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	1,800	180	550	1
10726	1,3-Dinitrobenzene	99-65-0	1,800	74	180	1
10726	2,4-Dinitrophenol	51-28-5	3,400	330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	1,800	74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722044
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	1,900	18	37	1
10726	1,4-Dioxane	123-91-1	1,300	110	370	1
10726	Diphenyl ether	101-84-8	1,800	18	37	1
10726	Ethyl methanesulfonate	62-50-0	1,800	74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	1,900	74	190	1
10726	Fluoranthene	206-44-0	1,700	4	19	1
10726	Fluorene	86-73-7	1,800	4	19	1
10726	Hexachlorobenzene	118-74-1	1,800	4	19	1
10726	Hexachlorobutadiene	87-68-3	1,800	18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	4,300	180	550	1
10726	Hexachloroethane	67-72-1	1,800	37	180	1
10726	Hexachloropropene	1888-71-7	1,900	110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,800	4	19	1
10726	Isodrin	465-73-6	2,200	18	37	1
10726	Isophorone	78-59-1	2,000	18	37	1
10726	Isosafrole	120-58-1	2,000	74	180	1
10726	Methapyrilene	91-80-5	2,900	J 1,800	5,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	1,600	37	180	1
10726	3-Methylcholanthrene	56-49-5	2,000	18	37	1
10726	2-Methylnaphthalene	91-57-6	1,700	4	19	1
10726	2-Methylphenol	95-48-7	1,900	18	37	1
10726	4-Methylphenol	106-44-5	1,700	18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	1,700	4	19	1
10726	1,4-Naphthoquinone	130-15-4	1,600	J 920	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	1,100	180	550	1
10726	2-Naphthylamine	91-59-8	1,100	180	550	1
10726	2-Nitroaniline	88-74-4	2,000	18	37	1
10726	3-Nitroaniline	99-09-2	1,500	74	180	1
10726	4-Nitroaniline	100-01-6	1,400	74	180	1
10726	Nitrobenzene	98-95-3	1,900	18	37	1
10726	5-Nitro-o-toluidine	99-55-8	1,400	180	550	1
10726	2-Nitrophenol	88-75-5	1,900	18	37	1
10726	4-Nitrophenol	100-02-7	1,600	180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	15,000	E 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	1,800	18	37	1
10726	N-Nitrosodimethylamine	62-75-9	1,800	74	180	1
10726	N-Nitrosodi-n-butylamine	924-16-3	1,400	74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,900	18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	1,900	18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722044
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	1,800	74	180	1
10726	N-Nitrosomorpholine	59-89-2	1,800	74	180	1
10726	N-Nitrosopiperidine	100-75-4	1,800	18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	1,800	18	37	1
10726	Di-n-octylphthalate	117-84-0	2,300	74	180	1
10726	Pentachlorobenzene	608-93-5	1,800	18	37	1
10726	Pentachloronitrobenzene	82-68-8	1,900	74	180	1
10726	Pentachlorophenol	87-86-5	1,500	37	190	1
10726	Phenacetin	62-44-2	1,900	74	180	1
10726	Phenanthrene	85-01-8	1,700	4	19	1
10726	Phenol	108-95-2	1,800	18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	1,500	110	370	1
10726	Pronamide	23950-58-5	1,900	37	180	1
10726	Pyrene	129-00-0	1,700	4	19	1
10726	Pyridine	110-86-1	1,500	74	180	1
10726	Safrole	94-59-7	1,800	74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,800	18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,900	74	180	1
10726	Tetraethylthiopyrophosphate	3689-24-5	2,000	74	180	1
10726	Thionazin	297-97-2	2,000	74	180	1
10726	o-Toluidine	95-53-4	680	J 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	1,800	18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	1,900	18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	2,000	18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,800	74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,500	180	550	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	190	5.6	11	1
12925	Ethylene glycol	107-21-1	220	5.6	11	1
12925	Propylene glycol	57-55-6	230	5.6	11	1
12925	Triethylene glycol	112-27-6	140	5.6	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ISM 2014

LL Sample # SW 7722044
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 09:50	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 21:58	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722045
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	1,700	4	19	1
10726	Acenaphthylene	208-96-8	1,900	4	19	1
10726	Acetophenone	98-86-2	1,600	18	37	1
10726	2-Acetylaminofluorene	53-96-3	1,800	74	180	1
10726	4-Aminobiphenyl	92-67-1	620	180	550	1
10726	Aniline	62-53-3	1,100	180	550	1
10726	Anthracene	120-12-7	1,800	4	19	1
10726	Benzo(a)anthracene	56-55-3	1,700	4	19	1
10726	Benzo(a)pyrene	50-32-8	1,800	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	2,000	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,800	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,600	4	19	1
10726	Benzyl alcohol	100-51-6	1,700	180	550	1
10726	1,1'-Biphenyl	92-52-4	1,600	18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	1,800	18	37	1
10726	Butylbenzylphthalate	85-68-7	1,800	74	180	1
10726	Di-n-butylphthalate	84-74-2	1,800	74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	1,800	18	37	1
10726	4-Chloroaniline	106-47-8	540	18	37	1
10726	Chlorobenzilate	510-15-6	2,100	37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	1,700	18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	1,800	18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,800	18	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,600	8	36	1
10726	2-Chlorophenol	95-57-8	1,800	18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	1,700	18	37	1
10726	Chrysene	218-01-9	1,600	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	2,100	37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	1,800	4	19	1
10726	Dibenzofuran	132-64-9	1,700	18	37	1
10726	1,2-Dichlorobenzene	95-50-1	1,700	18	37	1
10726	1,3-Dichlorobenzene	541-73-1	1,700	18	37	1
10726	1,4-Dichlorobenzene	106-46-7	1,700	18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	1,100	110	370	1
10726	2,4-Dichlorophenol	120-83-2	1,700	18	37	1
10726	2,6-Dichlorophenol	87-65-0	1,800	18	37	1
10726	Diethylphthalate	84-66-2	1,700	74	180	1
10726	Dimethoate	60-51-5	1,700	180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	1,800	74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,800	18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	620	J 550	1,100	1
10726	2,4-Dimethylphenol	105-67-9	1,700	18	37	1
10726	Dimethylphthalate	131-11-3	1,700	74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	1,800	180	550	1
10726	1,3-Dinitrobenzene	99-65-0	1,700	74	180	1
10726	2,4-Dinitrophenol	51-28-5	3,200	330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	1,800	74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722045
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	1,800	18	37	1
10726	1,4-Dioxane	123-91-1	1,200	110	370	1
10726	Diphenyl ether	101-84-8	1,800	18	37	1
10726	Ethyl methanesulfonate	62-50-0	1,700	74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	1,800	74	190	1
10726	Fluoranthene	206-44-0	1,700	4	19	1
10726	Fluorene	86-73-7	1,700	4	19	1
10726	Hexachlorobenzene	118-74-1	1,700	4	19	1
10726	Hexachlorobutadiene	87-68-3	1,800	18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	3,900	180	550	1
10726	Hexachloroethane	67-72-1	1,800	37	180	1
10726	Hexachloropropene	1888-71-7	1,800	110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,800	4	19	1
10726	Isodrin	465-73-6	2,000	18	37	1
10726	Isophorone	78-59-1	1,900	18	37	1
10726	Isosafrole	120-58-1	1,900	74	180	1
10726	Methapyrilene	91-80-5	2,700	J 1,800	5,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	1,500	37	180	1
10726	3-Methylcholanthrene	56-49-5	1,900	18	37	1
10726	2-Methylnaphthalene	91-57-6	1,600	4	19	1
10726	2-Methylphenol	95-48-7	1,800	18	37	1
10726	4-Methylphenol	106-44-5	1,700	18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	1,700	4	19	1
10726	1,4-Naphthoquinone	130-15-4	1,600	J 920	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	1,200	180	550	1
10726	2-Naphthylamine	91-59-8	1,300	180	550	1
10726	2-Nitroaniline	88-74-4	1,900	18	37	1
10726	3-Nitroaniline	99-09-2	1,400	74	180	1
10726	4-Nitroaniline	100-01-6	1,300	74	180	1
10726	Nitrobenzene	98-95-3	1,800	18	37	1
10726	5-Nitro-o-toluidine	99-55-8	1,300	180	550	1
10726	2-Nitrophenol	88-75-5	1,900	18	37	1
10726	4-Nitrophenol	100-02-7	1,600	180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	14,000	E 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	1,800	18	37	1
10726	N-Nitrosodimethylamine	62-75-9	1,700	74	180	1
10726	N-Nitrosodi-n-butylamine	924-16-3	1,400	74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	1,800	18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	1,800	18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722045
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	1,700	74	180	1
10726	N-Nitrosomorpholine	59-89-2	1,700	74	180	1
10726	N-Nitrosopiperidine	100-75-4	1,700	18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	1,800	18	37	1
10726	Di-n-octylphthalate	117-84-0	2,300	74	180	1
10726	Pentachlorobenzene	608-93-5	1,700	18	37	1
10726	Pentachloronitrobenzene	82-68-8	1,800	74	180	1
10726	Pentachlorophenol	87-86-5	1,500	37	190	1
10726	Phenacetin	62-44-2	1,800	74	180	1
10726	Phenanthrene	85-01-8	1,600	4	19	1
10726	Phenol	108-95-2	1,700	18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	1,400	110	370	1
10726	Pronamide	23950-58-5	1,800	37	180	1
10726	Pyrene	129-00-0	1,700	4	19	1
10726	Pyridine	110-86-1	1,500	74	180	1
10726	Safrole	94-59-7	1,700	74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,800	18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,700	74	180	1
10726	Tetraethylthiopyrophosphate	3689-24-5	2,000	74	180	1
10726	Thionazin	297-97-2	1,900	74	180	1
10726	o-Toluidine	95-53-4	790	220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	1,800	18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	1,800	18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	1,900	18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,800	74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,400	180	550	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	200	5.6	11	1
12925	Ethylene glycol	107-21-1	220	5.6	11	1
12925	Propylene glycol	57-55-6	230	5.6	11	1
12925	Triethylene glycol	112-27-6	150	5.6	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ISM 2014

LL Sample # SW 7722045
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 10:14	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 22:13	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A SS Soil
ISM 2014

LL Sample # SW 7722046
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry						
00425	Hexavalent Chromium	SW-846 7196A 18540-29-9	mg/kg 40.2	mg/kg 0.56	mg/kg 1.7	1
Wet Chemistry						
00118	Moisture	SM 2540 G-1997 n.a.	% 10.7	% 0.50	% 0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	1
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A IS Soil
ISM 2014

LL Sample # SW 7722047
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry						
00425	Hexavalent Chromium	SW-846 7196A 18540-29-9	mg/kg 1,230	mg/kg 14.0	mg/kg 42.0	25
Wet Chemistry						
00118	Moisture	SM 2540 G-1997 n.a.	% 10.7	% 0.50	% 0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	25
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A PDS Soil
ISM 2014

LL Sample # SW 7722048
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry						
00425	Hexavalent Chromium	SW-846 7196A 18540-29-9	mg/kg 46.6	mg/kg 2.2	mg/kg 6.7	4
Wet Chemistry						
00118	Moisture	SM 2540 G-1997 n.a.	% 10.7	% 0.50	% 0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	4
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A DUP Soil
ISM 2014

LL Sample # SW 7722049
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry						
00425	Hexavalent Chromium	SW-846 7196A 18540-29-9	0.82 J	mg/kg 0.56	mg/kg 1.7	1
Wet Chemistry						
00118	Moisture	SM 2540 G-1997 n.a.	10.7	% 0.50	% 0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	1
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ITRC
ISM 2014

LL Sample # SW 7722050
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.0 U	4.0	19	1
10885	PCB-1221	11104-28-2	5.1 U	5.1	19	1
10885	PCB-1232	11141-16-5	8.8 U	8.8	19	1
10885	PCB-1242	53469-21-9	3.6 U	3.6	19	1
10885	PCB-1248	12672-29-6	3.6 U	3.6	19	1
10885	PCB-1254	11097-69-1	6.6 J	3.6	19	1
10885	PCB-1260	11096-82-5	5.4 U	5.4	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	65.7	0.0370	1.12	1
06947	Beryllium	7440-41-7	1.53	0.0750	1.12	1
06949	Cadmium	7440-43-9	0.0806 J	0.0370	1.12	1
06951	Chromium	7440-47-3	4.60	0.123	3.36	1
06952	Cobalt	7440-48-4	3.28	0.108	1.12	1
06953	Copper	7440-50-8	4.86	0.370	2.24	1
06961	Nickel	7440-02-0	8.09	0.168	2.24	1
06966	Silver	7440-22-4	0.741 J	0.213	1.12	1
06969	Tin	7440-31-5	2.83 J	0.482	22.4	1
06971	Vanadium	7440-62-2	19.2	0.102	1.12	1
06972	Zinc	7440-66-6	40.1	0.291	4.48	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	13.2	0.0945	0.448	2
06125	Arsenic	7440-38-2	2.00	0.0956	0.896	2
06135	Lead	7439-92-1	14.0	0.0144	0.448	2
06141	Selenium	7782-49-2	0.412 J	0.112	0.896	2
06145	Thallium	7440-28-0	0.380	0.0336	0.224	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0183 J	0.0104	0.209	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Soil
ITRC
ISM 2014

LL Sample # SW 7722050
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 23:02	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 00:48	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:23	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:23	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:23	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:23	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:23	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 08:45	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ITRC
ISM 2014

LL Sample # SW 7722051
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	200	4.0	19	1
10885	PCB-1221	11104-28-2	5.1 U	5.1	19	1
10885	PCB-1232	11141-16-5	8.9 U	8.9	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	3.7 U	3.7	19	1
10885	PCB-1260	11096-82-5	200	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	284	0.0370	1.12	1
06947	Beryllium	7440-41-7	7.63	0.0750	1.12	1
06949	Cadmium	7440-43-9	5.41	0.0370	1.12	1
06951	Chromium	7440-47-3	26.8	0.123	3.36	1
06952	Cobalt	7440-48-4	55.8	0.108	1.12	1
06953	Copper	7440-50-8	34.7	0.370	2.24	1
06961	Nickel	7440-02-0	60.0	0.168	2.24	1
06966	Silver	7440-22-4	7.15	0.213	1.12	1
06969	Tin	7440-31-5	391	0.482	22.4	1
06971	Vanadium	7440-62-2	71.9	0.102	1.12	1
06972	Zinc	7440-66-6	95.2	0.291	4.48	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	8.91	0.0945	0.448	2
06125	Arsenic	7440-38-2	4.66	0.0956	0.896	2
06135	Lead	7439-92-1	17.7	0.0144	0.448	2
06141	Selenium	7782-49-2	2.77	0.112	0.896	2
06145	Thallium	7440-28-0	0.955	0.0336	0.224	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.192 J	0.0105	0.210	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MS Soil
ITRC
ISM 2014

LL Sample # SW 7722051
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 23:14	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:00	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:30	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:30	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:30	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:30	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:30	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 08:51	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ITRC
ISM 2014

LL Sample # SW 7722052
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	200	4.0	19	1
10885	PCB-1221	11104-28-2	5.1 U	5.1	19	1
10885	PCB-1232	11141-16-5	8.9 U	8.9	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	3.7 U	3.7	19	1
10885	PCB-1260	11096-82-5	200	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	276	0.0362	1.10	1
06947	Beryllium	7440-41-7	7.38	0.0736	1.10	1
06949	Cadmium	7440-43-9	5.29	0.0362	1.10	1
06951	Chromium	7440-47-3	25.8	0.121	3.29	1
06952	Cobalt	7440-48-4	54.6	0.105	1.10	1
06953	Copper	7440-50-8	33.0	0.362	2.20	1
06961	Nickel	7440-02-0	58.6	0.165	2.20	1
06966	Silver	7440-22-4	7.18	0.209	1.10	1
06969	Tin	7440-31-5	382	0.472	22.0	1
06971	Vanadium	7440-62-2	70.2	0.0999	1.10	1
06972	Zinc	7440-66-6	93.1	0.285	4.39	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	10.9	0.0927	0.439	2
06125	Arsenic	7440-38-2	4.26	0.0938	0.878	2
06135	Lead	7439-92-1	16.2	0.0141	0.439	2
06141	Selenium	7782-49-2	2.66	0.110	0.878	2
06145	Thallium	7440-28-0	0.844	0.0329	0.220	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.199 J	0.0110	0.220	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A MSD Soil
ITRC
ISM 2014

LL Sample # SW 7722052
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 23:25	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:04	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:33	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:33	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:33	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:33	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:33	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 08:53	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Dupl Soil
ITRC
ISM 2014

LL Sample # SW 7722053
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	62.5	0.0355	1.08	1
06947	Beryllium	7440-41-7	1.51	0.0721	1.08	1
06949	Cadmium	7440-43-9	0.106 J	0.0355	1.08	1
06951	Chromium	7440-47-3	7.84	0.118	3.23	1
06952	Cobalt	7440-48-4	3.29	0.103	1.08	1
06953	Copper	7440-50-8	7.47	0.355	2.15	1
06961	Nickel	7440-02-0	6.86	0.162	2.15	1
06966	Silver	7440-22-4	0.489 J	0.205	1.08	1
06969	Tin	7440-31-5	2.99 J	0.463	21.5	1
06971	Vanadium	7440-62-2	18.8	0.0980	1.08	1
06972	Zinc	7440-66-6	39.5	0.280	4.31	1
SW-846 6020A			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	10.0	0.0909	0.431	2
06125	Arsenic	7440-38-2	2.03	0.0920	0.861	2
06135	Lead	7439-92-1	14.1	0.0138	0.431	2
06141	Selenium	7782-49-2	0.371 J	0.108	0.861	2
06145	Thallium	7440-28-0	0.404	0.0323	0.215	2
SW-846 7471B			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0173 J	0.0103	0.207	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	10.7	0.50	0.50	1
00121	Moisture Duplicate	n.a.	11.0	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 00:56	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9A Dupl Soil
ITRC
ISM 2014

LL Sample # SW 7722053
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015	00:56	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015	00:56	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015	00:56	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015	00:56	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015	06:28	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015	06:28	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015	06:28	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015	06:28	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015	06:28	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015	08:49	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015	12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015	12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014	10:02	William C Schwebel	1
00121	Moisture Duplicate	SM 2540 G-1997	1	14364820006B	12/30/2014	10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722054
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISV9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	580	U 580	1,700	73.52
10237	Acetonitrile	75-05-8	2,100	U 2,100	8,300	73.52
10237	Acrolein	107-02-8	1,700	U 1,700	8,300	73.52
10237	Acrylonitrile	107-13-1	330	U 330	1,700	73.52
10237	Allyl Chloride	107-05-1	83	U 83	420	73.52
10237	Benzene	71-43-2	42	U 42	420	73.52
10237	Bromodichloromethane	75-27-4	83	U 83	420	73.52
10237	Bromoform	75-25-2	83	U 83	420	73.52
10237	Bromomethane	74-83-9	170	U 170	420	73.52
10237	2-Butanone	78-93-3	330	U 330	830	73.52
10237	Carbon Disulfide	75-15-0	83	U 83	420	73.52
10237	Carbon Tetrachloride	56-23-5	83	U 83	420	73.52
10237	2-Chloro-1,3-butadiene	126-99-8	83	U 83	420	73.52
10237	Chlorobenzene	108-90-7	83	U 83	420	73.52
10237	Chloroethane	75-00-3	170	U 170	420	73.52
10237	Chloroform	67-66-3	83	U 83	420	73.52
10237	Chloromethane	74-87-3	170	U 170	420	73.52
10237	1,2-Dibromo-3-chloropropane	96-12-8	170	U 170	420	73.52
10237	Dibromochloromethane	124-48-1	83	U 83	420	73.52
10237	1,2-Dibromoethane	106-93-4	83	U 83	420	73.52
10237	Dibromomethane	74-95-3	83	U 83	420	73.52
10237	trans-1,4-Dichloro-2-butene	110-57-6	830	U 830	4,200	73.52
10237	Dichlorodifluoromethane	75-71-8	170	U 170	420	73.52
10237	1,1-Dichloroethane	75-34-3	83	U 83	420	73.52
10237	1,2-Dichloroethane	107-06-2	83	U 83	420	73.52
10237	1,1-Dichloroethene	75-35-4	83	U 83	420	73.52
10237	cis-1,2-Dichloroethene	156-59-2	83	U 83	420	73.52
10237	trans-1,2-Dichloroethene	156-60-5	83	U 83	420	73.52
10237	1,2-Dichloropropane	78-87-5	83	U 83	420	73.52
10237	cis-1,3-Dichloropropene	10061-01-5	83	U 83	420	73.52
10237	trans-1,3-Dichloropropene	10061-02-6	83	U 83	420	73.52
10237	Ethyl Methacrylate	97-63-2	83	U 83	420	73.52
10237	Ethylbenzene	100-41-4	83	U 83	420	73.52
10237	2-Hexanone	591-78-6	250	U 250	830	73.52
10237	Isobutyl Alcohol	78-83-1	8,300	U 8,300	21,000	73.52
10237	Methacrylonitrile	126-98-7	420	U 420	4,200	73.52
10237	Methyl Iodide	74-88-4	250	U 250	420	73.52
10237	Methyl Methacrylate	80-62-6	83	U 83	420	73.52
10237	4-Methyl-2-pentanone	108-10-1	250	U 250	830	73.52
10237	Methylene Chloride	75-09-2	170	U 170	420	73.52
10237	Pentachloroethane	76-01-7	83	U 83	420	73.52
10237	Propionitrile	107-12-0	2,500	U 2,500	8,300	73.52
10237	Styrene	100-42-5	83	U 83	420	73.52
10237	1,1,1,2-Tetrachloroethane	630-20-6	83	U 83	420	73.52
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	83	U 83	420	73.52
10237	Tetrachloroethene	127-18-4	83	U 83	420	73.52
10237	Toluene	108-88-3	83	U 83	420	73.52
10237	1,1,1-Trichloroethane	71-55-6	83	U 83	420	73.52
10237	1,1,2-Trichloroethane	79-00-5	83	U 83	420	73.52
10237	Trichloroethene	79-01-6	83	U 83	420	73.52
10237	Trichlorofluoromethane	75-69-4	170	U 170	420	73.52

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722054
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	83	U 83	420	73.52
10237	Vinyl Acetate	108-05-4	170	U 170	830	73.52
10237	Vinyl Chloride	75-01-4	83	U 83	420	73.52
10237	Xylene (Total)	1330-20-7	83	U 83	420	73.52
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	11.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 19:03	Kerri E Legerlotz	73.52
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143521356501	12/18/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722055
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	4	U 4	19	1
10726	Benzo(a)anthracene	56-55-3	13	J 4	19	1
10726	Benzo(a)pyrene	50-32-8	12	J 4	19	1
10726	Benzo(b)fluoranthene	205-99-2	18	J 4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	10	J 4	19	1
10726	Benzo(k)fluoranthene	207-08-9	9	J 4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	14	J 4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	6	J 4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722055
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	18	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	10	J 4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722055
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	9	J 4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	4	U 4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethylthiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1
Wet Chemistry	SW-846 7196A		mg/kg	mg/kg	mg/kg	
00425	Hexavalent Chromium	18540-29-9	0.56	U 0.56	1.7	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ISM 2014

LL Sample # SW 7722055
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 11:51	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 21:14	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	1
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ITRC
ISM 2014

LL Sample # SW 7722056
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.0 U	4.0	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	8.0 J	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	65.5	0.0359	1.09	1
06947	Beryllium	7440-41-7	1.65	0.0728	1.09	1
06949	Cadmium	7440-43-9	0.261 J	0.0359	1.09	1
06951	Chromium	7440-47-3	4.23	0.120	3.26	1
06952	Cobalt	7440-48-4	3.59	0.104	1.09	1
06953	Copper	7440-50-8	4.90	0.359	2.17	1
06961	Nickel	7440-02-0	5.57	0.163	2.17	1
06966	Silver	7440-22-4	0.206 U	0.206	1.09	1
06969	Tin	7440-31-5	3.17 J	0.467	21.7	1
06971	Vanadium	7440-62-2	16.9	0.0989	1.09	1
06972	Zinc	7440-66-6	38.7	0.282	4.35	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	3.90	0.0917	0.435	2
06125	Arsenic	7440-38-2	1.87	0.0928	0.869	2
06135	Lead	7439-92-1	17.7	0.0140	0.435	2
06141	Selenium	7782-49-2	0.373 J	0.109	0.869	2
06145	Thallium	7440-28-0	0.901	0.0326	0.217	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0164 J	0.0106	0.212	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9B Soil
ITRC
ISM 2014

LL Sample # SW 7722056
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 23:37	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:42	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:56	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:56	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:56	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:56	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:56	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:12	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722057
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	490	U 490	1,400	62.28
10237	Acetonitrile	75-05-8	1,800	U 1,800	7,000	62.28
10237	Acrolein	107-02-8	1,400	U 1,400	7,000	62.28
10237	Acrylonitrile	107-13-1	280	U 280	1,400	62.28
10237	Allyl Chloride	107-05-1	70	U 70	350	62.28
10237	Benzene	71-43-2	35	U 35	350	62.28
10237	Bromodichloromethane	75-27-4	70	U 70	350	62.28
10237	Bromoform	75-25-2	70	U 70	350	62.28
10237	Bromomethane	74-83-9	140	U 140	350	62.28
10237	2-Butanone	78-93-3	280	U 280	700	62.28
10237	Carbon Disulfide	75-15-0	70	U 70	350	62.28
10237	Carbon Tetrachloride	56-23-5	70	U 70	350	62.28
10237	2-Chloro-1,3-butadiene	126-99-8	70	U 70	350	62.28
10237	Chlorobenzene	108-90-7	70	U 70	350	62.28
10237	Chloroethane	75-00-3	140	U 140	350	62.28
10237	Chloroform	67-66-3	70	U 70	350	62.28
10237	Chloromethane	74-87-3	140	U 140	350	62.28
10237	1,2-Dibromo-3-chloropropane	96-12-8	140	U 140	350	62.28
10237	Dibromochloromethane	124-48-1	70	U 70	350	62.28
10237	1,2-Dibromoethane	106-93-4	70	U 70	350	62.28
10237	Dibromomethane	74-95-3	70	U 70	350	62.28
10237	trans-1,4-Dichloro-2-butene	110-57-6	700	U 700	3,500	62.28
10237	Dichlorodifluoromethane	75-71-8	140	U 140	350	62.28
10237	1,1-Dichloroethane	75-34-3	70	U 70	350	62.28
10237	1,2-Dichloroethane	107-06-2	70	U 70	350	62.28
10237	1,1-Dichloroethene	75-35-4	70	U 70	350	62.28
10237	cis-1,2-Dichloroethene	156-59-2	70	U 70	350	62.28
10237	trans-1,2-Dichloroethene	156-60-5	70	U 70	350	62.28
10237	1,2-Dichloropropane	78-87-5	70	U 70	350	62.28
10237	cis-1,3-Dichloropropene	10061-01-5	70	U 70	350	62.28
10237	trans-1,3-Dichloropropene	10061-02-6	70	U 70	350	62.28
10237	Ethyl Methacrylate	97-63-2	70	U 70	350	62.28
10237	Ethylbenzene	100-41-4	70	U 70	350	62.28
10237	2-Hexanone	591-78-6	210	U 210	700	62.28
10237	Isobutyl Alcohol	78-83-1	7,000	U 7,000	18,000	62.28
10237	Methacrylonitrile	126-98-7	350	U 350	3,500	62.28
10237	Methyl Iodide	74-88-4	210	U 210	350	62.28
10237	Methyl Methacrylate	80-62-6	70	U 70	350	62.28
10237	4-Methyl-2-pentanone	108-10-1	210	U 210	700	62.28
10237	Methylene Chloride	75-09-2	140	U 140	350	62.28
10237	Pentachloroethane	76-01-7	70	U 70	350	62.28
10237	Propionitrile	107-12-0	2,100	U 2,100	7,000	62.28
10237	Styrene	100-42-5	70	U 70	350	62.28
10237	1,1,1,2-Tetrachloroethane	630-20-6	70	U 70	350	62.28
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	70	U 70	350	62.28
10237	Tetrachloroethene	127-18-4	70	U 70	350	62.28
10237	Toluene	108-88-3	70	U 70	350	62.28
10237	1,1,1-Trichloroethane	71-55-6	70	U 70	350	62.28
10237	1,1,2-Trichloroethane	79-00-5	70	U 70	350	62.28
10237	Trichloroethene	79-01-6	70	U 70	350	62.28
10237	Trichlorofluoromethane	75-69-4	140	U 140	350	62.28

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722057
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISV9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	70	U 70	350	62.28
10237	Vinyl Acetate	108-05-4	140	U 140	700	62.28
10237	Vinyl Chloride	75-01-4	70	U 70	350	62.28
10237	Xylene (Total)	1330-20-7	70	U 70	350	62.28
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	11.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 18:39	Kerri E Legerlotz	62.28
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143521356501	12/18/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	4	143521356501	12/18/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722058
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4	U 4	19	1
10726	Acenaphthylene	208-96-8	4	U 4	19	1
10726	Acetophenone	98-86-2	18	U 18	37	1
10726	2-Acetylaminofluorene	53-96-3	74	U 74	180	1
10726	4-Aminobiphenyl	92-67-1	180	U 180	550	1
10726	Aniline	62-53-3	180	U 180	550	1
10726	Anthracene	120-12-7	4	U 4	19	1
10726	Benzo(a)anthracene	56-55-3	11	J 4	19	1
10726	Benzo(a)pyrene	50-32-8	12	J 4	19	1
10726	Benzo(b)fluoranthene	205-99-2	18	J 4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	12	J 4	19	1
10726	Benzo(k)fluoranthene	207-08-9	9	J 4	19	1
10726	Benzyl alcohol	100-51-6	180	U 180	550	1
10726	1,1'-Biphenyl	92-52-4	18	U 18	37	1
10726	4-Bromophenyl-phenylether	101-55-3	18	U 18	37	1
10726	Butylbenzylphthalate	85-68-7	74	U 74	180	1
10726	Di-n-butylphthalate	84-74-2	74	U 74	180	1
10726	4-Chloro-3-methylphenol	59-50-7	18	U 18	37	1
10726	4-Chloroaniline	106-47-8	18	U 18	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	180	1
10726	bis(2-Chloroethoxy)methane	111-91-1	18	U 18	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	18	U 18	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	18	U 18	37	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	18	U 18	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	18	U 18	37	1
10726	Chrysene	218-01-9	12	J 4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	180	1
10726	Dibenz(a,h)anthracene	53-70-3	5	J 4	19	1
10726	Dibenzofuran	132-64-9	18	U 18	37	1
10726	1,2-Dichlorobenzene	95-50-1	18	U 18	37	1
10726	1,3-Dichlorobenzene	541-73-1	18	U 18	37	1
10726	1,4-Dichlorobenzene	106-46-7	18	U 18	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	18	U 18	37	1
10726	2,6-Dichlorophenol	87-65-0	18	U 18	37	1
10726	Diethylphthalate	84-66-2	74	U 74	180	1
10726	Dimethoate	60-51-5	180	U 180	550	1
10726	p-Dimethylaminoazobenzene	60-11-7	74	U 74	180	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	18	U 18	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	550	U 550	1,100	1
10726	2,4-Dimethylphenol	105-67-9	18	U 18	37	1
10726	Dimethylphthalate	131-11-3	74	U 74	180	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	180	U 180	550	1
10726	1,3-Dinitrobenzene	99-65-0	74	U 74	180	1
10726	2,4-Dinitrophenol	51-28-5	330	U 330	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	74	U 74	180	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722058
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	18	U 18	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	18	U 18	37	1
10726	Ethyl methanesulfonate	62-50-0	74	U 74	180	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	74	U 74	190	1
10726	Fluoranthene	206-44-0	14	J 4	19	1
10726	Fluorene	86-73-7	4	U 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	18	U 18	37	1
10726	Hexachlorocyclopentadiene	77-47-4	180	U 180	550	1
10726	Hexachloroethane	67-72-1	37	U 37	180	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	11	J 4	19	1
10726	Isodrin	465-73-6	18	U 18	37	1
10726	Isophorone	78-59-1	18	U 18	37	1
10726	Isosafrole	120-58-1	74	U 74	180	1
10726	Methapyrilene	91-80-5	1,800	U 1,800	5,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	180	1
10726	3-Methylcholanthrene	56-49-5	18	U 18	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	18	U 18	37	1
10726	4-Methylphenol	106-44-5	18	U 18	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	920	U 920	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	180	U 180	550	1
10726	2-Naphthylamine	91-59-8	180	U 180	550	1
10726	2-Nitroaniline	88-74-4	18	U 18	37	1
10726	3-Nitroaniline	99-09-2	74	U 74	180	1
10726	4-Nitroaniline	100-01-6	74	U 74	180	1
10726	Nitrobenzene	98-95-3	18	U 18	37	1
10726	5-Nitro-o-toluidine	99-55-8	180	U 180	550	1
10726	2-Nitrophenol	88-75-5	18	U 18	37	1
10726	4-Nitrophenol	100-02-7	180	U 180	550	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	18	U 18	37	1
10726	N-Nitrosodimethylamine	62-75-9	74	U 74	180	1
10726	N-Nitrosodi-n-butylamine	924-16-3	74	U 74	180	1
10726	N-Nitroso-di-n-propylamine	621-64-7	18	U 18	37	1
10726	N-Nitrosodiphenylamine	86-30-6	18	U 18	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722058
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	74	U 74	180	1
10726	N-Nitrosomorpholine	59-89-2	74	U 74	180	1
10726	N-Nitrosopiperidine	100-75-4	18	U 18	37	1
10726	N-Nitrosopyrrolidine	930-55-2	18	U 18	37	1
10726	Di-n-octylphthalate	117-84-0	74	U 74	180	1
10726	Pentachlorobenzene	608-93-5	18	U 18	37	1
10726	Pentachloronitrobenzene	82-68-8	74	U 74	180	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	74	U 74	180	1
10726	Phenanthrene	85-01-8	6	J 4	19	1
10726	Phenol	108-95-2	18	U 18	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	180	1
10726	Pyrene	129-00-0	4	U 4	19	1
10726	Pyridine	110-86-1	74	U 74	180	1
10726	Safrole	94-59-7	74	U 74	180	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	18	U 18	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	74	U 74	180	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	74	U 74	180	1
10726	Thionazin	297-97-2	74	U 74	180	1
10726	o-Toluidine	95-53-4	220	U 220	740	1
10726	1,2,4-Trichlorobenzene	120-82-1	18	U 18	37	1
10726	2,4,5-Trichlorophenol	95-95-4	18	U 18	37	1
10726	2,4,6-Trichlorophenol	88-06-2	18	U 18	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	74	U 74	180	1
10726	1,3,5-Trinitrobenzene	99-35-4	180	U 180	550	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.6	U 5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U 5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U 5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U 5.6	11	1
Wet Chemistry	SW-846 7196A		mg/kg	mg/kg	mg/kg	
00425	Hexavalent Chromium	18540-29-9	0.56	U 0.56	1.7	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ISM 2014

LL Sample # SW 7722058
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISN9C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14360SLG026	12/30/2014 12:15	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14360SLG026	12/29/2014 09:30	Kerrie A Freeburn	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580022A	12/29/2014 21:29	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	3	143580022A	12/24/2014 14:25	Tyler O Griffin	1
00425	Hexavalent Chromium	SW-846 7196A	1	14363042501A	12/29/2014 22:30	Daniel S Smith	1
07825	Hexavalent Cr (Extraction)	SW-846 3060A	1	14363042501A	12/29/2014 19:20	Daniel S Smith	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ITRC
ISM 2014

LL Sample # SW 7722059
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9C

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.0 U	4.0	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	120	3.7	19	1
10885	PCB-1254	11097-69-1	3.7 U	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	62.7	0.0372	1.13	1
06947	Beryllium	7440-41-7	1.51	0.0755	1.13	1
06949	Cadmium	7440-43-9	0.120 J	0.0372	1.13	1
06951	Chromium	7440-47-3	5.28	0.124	3.38	1
06952	Cobalt	7440-48-4	2.90	0.108	1.13	1
06953	Copper	7440-50-8	5.61	0.372	2.25	1
06961	Nickel	7440-02-0	9.25	0.169	2.25	1
06966	Silver	7440-22-4	0.214 U	0.214	1.13	1
06969	Tin	7440-31-5	3.27 J	0.485	22.5	1
06971	Vanadium	7440-62-2	18.5	0.103	1.13	1
06972	Zinc	7440-66-6	43.5	0.293	4.51	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.45	0.0952	0.451	2
06125	Arsenic	7440-38-2	2.16	0.0963	0.902	2
06135	Lead	7439-92-1	17.2	0.0145	0.451	2
06141	Selenium	7782-49-2	0.404 J	0.113	0.902	2
06145	Thallium	7440-28-0	0.512	0.0338	0.225	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0184 J	0.0109	0.218	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.3	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-9C Soil
ITRC
ISM 2014

LL Sample # SW 7722059
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/19/2014 23:10

URS Corporation

Reported: 01/05/2015 17:22

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

ISS9C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143580013A	12/29/2014 23:48	Richard A Shober	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143580013A	12/27/2014 11:30	Sherry L Morrow	1
06946	Barium	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143580637001	01/05/2015 01:46	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143580637001A	01/05/2015 06:58	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143580637001A	01/05/2015 06:58	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143580637001A	01/05/2015 06:58	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143580637001B	01/05/2015 06:58	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143580637001A	01/05/2015 06:58	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143640638001	01/05/2015 09:14	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143580637001	01/04/2015 12:05	James L Mertz	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143640638001	01/04/2015 12:53	James L Mertz	1
00118	Moisture	SM 2540 G-1997	1	14364820006B	12/30/2014 10:02	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121814 Blank Water**
ISM 2014

LL Sample # **WW 7722060**
LL Group # **1527338**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121814 Blank Water**
ISM 2014

LL Sample # **WW 7722060**
LL Group # **1527338**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121814 Blank Water**
ISM 2014

LL Sample # **WW 7722060**
LL Group # **1527338**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121814 Blank Water**
ISM 2014

LL Sample # **WW 7722060**
LL Group # **1527338**
Account # **06643**

Project Name: **BRE - ISM**

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISVEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenanthrene	85-01-8	0.1 U	0.1	0.5	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyrene	129-00-0	0.1 U	0.1	0.5	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1
	The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.					
Pesticides/PCBs	SW-846 8082A		ug/l	ug/l	ug/l	
10591	PCB-1016	12674-11-2	0.081 U	0.081	0.40	1
10591	PCB-1221	11104-28-2	0.081 U	0.081	0.40	1
10591	PCB-1232	11141-16-5	0.16 U	0.16	0.40	1
10591	PCB-1242	53469-21-9	0.081 U	0.081	0.40	1
10591	PCB-1248	12672-29-6	0.081 U	0.081	0.40	1
10591	PCB-1254	11097-69-1	0.081 U	0.081	0.40	1
10591	PCB-1260	11096-82-5	0.12 U	0.12	0.40	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/l	mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1
Metals	SW-846 6010C		mg/l	mg/l	mg/l	

*=This limit was used in the evaluation of the final result

Sample Description: EB-121814 Blank Water
ISM 2014

LL Sample # WW 7722060
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISVEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.00065 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07049	Cadmium	7440-43-9	0.00033 U	0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00036 J	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.00061 J	0.00082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		SW-846 7196A	mg/l	mg/l	mg/l	
00276	Hexavalent Chromium	18540-29-9	0.0070 U	0.0070	0.020	1
The holding time was not met. The sample was submitted to the laboratory outside of the holding time.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143571AA	12/23/2014 17:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143571AA	12/23/2014 17:27	Jason M Long	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14357WAI026	12/30/2014 22:47	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
10591	PCBs	SW-846 8082A	1	143570013A	12/25/2014 01:39	Richard A Shober	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	143570013A	12/23/2014 17:10	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 05:08	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-121814 Blank Water
ISM 2014

LL Sample # WW 7722060
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 18:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVEB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:21	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143560639002A	12/24/2014 08:53	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143560639002A	12/24/2014 07:06	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143560639002A	12/24/2014 07:06	Choon Y Tian	1
06041	Selenium	SW-846 6020A	1	143560639002B	12/24/2014 07:06	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143560639002A	12/24/2014 07:06	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143645713004	01/05/2015 08:04	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639002	12/23/2014 08:48	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143645713004	12/31/2014 10:35	Christopher M Klumpp	1
00276	Hexavalent Chromium	SW-846 7196A	1	14355027601A	12/21/2014 07:35	Daniel S Smith	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514 Other Liquid
ISM 2014

LL Sample # G5 7722061
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	350	U	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	5,000	50
10237	Acrolein	107-02-8	1,000	U	5,000	50
10237	Acrylonitrile	107-13-1	200	U	1,000	50
10237	Allyl Chloride	107-05-1	50	U	250	50
10237	Benzene	71-43-2	25	U	250	50
10237	Bromodichloromethane	75-27-4	50	U	250	50
10237	Bromoform	75-25-2	50	U	250	50
10237	Bromomethane	74-83-9	100	U	250	50
10237	2-Butanone	78-93-3	200	U	500	50
10237	Carbon Disulfide	75-15-0	50	U	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	250	50
10237	Chlorobenzene	108-90-7	50	U	250	50
10237	Chloroethane	75-00-3	100	U	250	50
10237	Chloroform	67-66-3	50	U	250	50
10237	Chloromethane	74-87-3	100	U	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	250	50
10237	Dibromochloromethane	124-48-1	50	U	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	250	50
10237	Dibromomethane	74-95-3	50	U	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	250	50
10237	Ethylbenzene	100-41-4	50	U	250	50
10237	2-Hexanone	591-78-6	150	U	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	2,500	50
10237	Methyl Iodide	74-88-4	150	U	250	50
10237	Methyl Methacrylate	80-62-6	50	U	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	500	50
10237	Methylene Chloride	75-09-2	100	U	250	50
10237	Pentachloroethane	76-01-7	50	U	250	50
10237	Propionitrile	107-12-0	1,500	U	5,000	50
10237	Styrene	100-42-5	50	U	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	250	50
10237	Tetrachloroethene	127-18-4	50	U	250	50
10237	Toluene	108-88-3	50	U	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	250	50
10237	Trichloroethene	79-01-6	50	U	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514 Other Liquid
ISM 2014

LL Sample # G5 7722061
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/15/2014 14:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 12:50	Kerri E Legerlotz	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201435536497	12/15/2014 14:20	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121714 Other Liquid
ISM 2014

LL Sample # G5 7722062
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor	
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-121714 Other Liquid
ISM 2014

LL Sample # G5 7722062
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/17/2014 10:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 13:14	Kerri E Legerlotz	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201435536497	12/17/2014 10:25	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814 Other Liquid
ISM 2014

LL Sample # G5 7722063
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor	
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814 Other Liquid
ISM 2014

LL Sample # G5 7722063
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 13:37	Kerri E Legerlotz	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201435536497	12/18/2014 16:15	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814-9 Other Liquid
ISM 2014

LL Sample # G5 7722064
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10

Reported: 01/05/2015 17:22

ISVT4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Detection	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814-9 Other Liquid
ISM 2014

LL Sample # G5 7722064
LL Group # 1527338
Account # 06643

Project Name: BRE - ISM

Collected: 12/18/2014 16:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 23:10
Reported: 01/05/2015 17:22

ISVT4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143611AA	12/27/2014 14:00	Kerri E Legerlotz	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201435536497	12/18/2014 16:20	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143611AA	Sample number(s): 7722022,7722025,7722028,7722031,7722034,7722037,7722040-7722042,7722054,7722057,7722061-7722064								
Acetone	350	350.	1,000	ug/kg	86		53-141		
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	91		61-147		
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	77		58-122		
	U								
Acrylonitrile	200	200.	1,000	ug/kg	84		58-123		
	U								
Allyl Chloride	50	U 50.	250	ug/kg	99		61-132		
Benzene	25	U 25.	250	ug/kg	95		80-120		
Bromodichloromethane	50	U 50.	250	ug/kg	91		75-120		
Bromoform	50	U 50.	250	ug/kg	84		70-126		
Bromomethane	100	100.	250	ug/kg	114		32-162		
	U								
2-Butanone	200	200.	500	ug/kg	88		62-123		
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	70		63-128		
Carbon Tetrachloride	50	U 50.	250	ug/kg	96		69-130		
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	91		73-120		
Chlorobenzene	50	U 50.	250	ug/kg	90		80-120		
Chloroethane	100	100.	250	ug/kg	89		17-171		
	U								
Chloroform	50	U 50.	250	ug/kg	100		80-125		
Chloromethane	100	100.	250	ug/kg	80		56-120		
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	83		59-122		
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	87		77-120		
1,2-Dibromoethane	50	U 50.	250	ug/kg	91		80-120		
Dibromomethane	50	U 50.	250	ug/kg	94		80-120		
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	106		70-128		
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	71		26-137		
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	95		80-122		
1,2-Dichloroethane	50	U 50.	250	ug/kg	106		77-130		
1,1-Dichloroethene	50	U 50.	250	ug/kg	88		73-129		
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	93		80-120		
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	95		80-129		
1,2-Dichloropropane	50	U 50.	250	ug/kg	95		80-120		
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	95		74-120		
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	95		76-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethyl Methacrylate	50 U	50.	250	ug/kg	86		65-120		
Ethylbenzene	50 U	50.	250	ug/kg	88		80-120		
2-Hexanone	150 U	150.	500	ug/kg	93		51-120		
Isobutyl Alcohol	5,000 U	5,000.	13,000	ug/kg	95		64-121		
Methacrylonitrile	250 U	250.	2,500	ug/kg	93		73-127		
Methyl Iodide	150 U	150.	250	ug/kg	87		72-130		
Methyl Methacrylate	50 U	50.	250	ug/kg	90		60-120		
4-Methyl-2-pentanone	150 U	150.	500	ug/kg	88		57-123		
Methylene Chloride	100 U	100.	250	ug/kg	96		80-124		
Pentachloroethane	50 U	50.	250	ug/kg	89		71-120		
Propionitrile	1,500 U	1,500.	5,000	ug/kg	87		63-131		
Styrene	50 U	50.	250	ug/kg	88		76-120		
1,1,1,2-Tetrachloroethane	50 U	50.	250	ug/kg	90		80-120		
1,1,2,2-Tetrachloroethane	50 U	50.	250	ug/kg	87		71-123		
Tetrachloroethene	50 U	50.	250	ug/kg	89		78-120		
Toluene	50 U	50.	250	ug/kg	89		80-120		
1,1,1-Trichloroethane	50 U	50.	250	ug/kg	99		63-135		
1,1,2-Trichloroethane	50 U	50.	250	ug/kg	91		80-120		
Trichloroethene	50 U	50.	250	ug/kg	95		80-125		
Trichlorofluoromethane	100 U	100.	250	ug/kg	91		58-133		
1,2,3-Trichloropropane	50 U	50.	250	ug/kg	97		71-123		
Vinyl Acetate	100 U	100.	500	ug/kg	75		40-127		
Vinyl Chloride	50 U	50.	250	ug/kg	79		59-120		
Xylene (Total)	50 U	50.	250	ug/kg	87		80-120		
Batch number: Y143571AA	Sample number(s) : 7722060								
Acetone	6 U	6.	20	ug/l	82		55-129		
Acetonitrile	25 U	25.	100	ug/l	103	103	49-163	1	30
Acrolein	40 U	40.	100	ug/l	92		59-120		
Acrylonitrile	4 U	4.	20	ug/l	88		62-120		
Allyl Chloride	1 U	1.	5	ug/l	95		56-120		
Benzene	0.5 U	0.5	1	ug/l	101		78-120		
Bromodichloromethane	0.5 U	0.5	1	ug/l	88		73-120		
Bromoform	0.5 U	0.5	4	ug/l	74		61-120		
Bromomethane	0.5 U	0.5	1	ug/l	72		53-130		
2-Butanone	3 U	3.	10	ug/l	94		54-133		
Carbon Disulfide	1 U	1.	5	ug/l	80		58-126		
Carbon Tetrachloride	0.5 U	0.5	1	ug/l	90		74-130		
2-Chloro-1,3-butadiene	1 U	1.	5	ug/l	94		73-120		
Chlorobenzene	0.5 U	0.5	1	ug/l	101		80-120		
Chloroethane	0.5 U	0.5	1	ug/l	67		56-120		
Chloroform	0.5 U	0.5	1	ug/l	98		80-122		
Chloromethane	0.5 U	0.5	1	ug/l	96		63-120		
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/l	82		56-120		
Dibromochloromethane	0.5 U	0.5	1	ug/l	88		72-120		
1,2-Dibromoethane	0.5 U	0.5	1	ug/l	100		80-120		
Dibromomethane	0.5 U	0.5	1	ug/l	96		80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,4-Dichloro-2-butene	15 U	15.	50	ug/l	86		47-139		
Dichlorodifluoromethane	0.5 U	0.5	1	ug/l	93		55-127		
1,1-Dichloroethane	0.5 U	0.5	1	ug/l	103		80-120		
1,2-Dichloroethane	0.5 U	0.5	1	ug/l	98		65-135		
1,1-Dichloroethene	0.5 U	0.5	1	ug/l	93		76-124		
cis-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	99		80-120		
trans-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	99		80-120		
1,2-Dichloropropane	0.5 U	0.5	1	ug/l	99		80-120		
cis-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	92		80-120		
trans-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	89		76-120		
Ethyl Methacrylate	1 U	1.	5	ug/l	96		73-120		
Ethylbenzene	0.5 U	0.5	1	ug/l	100		79-120		
2-Hexanone	3 U	3.	10	ug/l	96		57-127		
Isobutyl Alcohol	100 U	100.	250	ug/l	99		63-134		
Methacrylonitrile	10 U	10.	50	ug/l	94		75-120		
Methyl Iodide	0.5 U	0.5	1	ug/l	89		75-128		
Methyl Methacrylate	1 U	1.	5	ug/l	92		71-120		
4-Methyl-2-pentanone	3 U	3.	10	ug/l	97		51-124		
Methylene Chloride	2 U	2.	4	ug/l	96		80-120		
Pentachloroethane	1 U	1.	5	ug/l	88		74-120		
Propionitrile	30 U	30.	100	ug/l	102		73-133		
Styrene	1 U	1.	5	ug/l	101		80-120		
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	91		80-120		
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	97		70-120		
Tetrachloroethene	0.5 U	0.5	1	ug/l	98		80-120		
Toluene	0.5 U	0.5	1	ug/l	101		80-120		
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	81		66-126		
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	100		80-120		
Trichloroethene	0.5 U	0.5	1	ug/l	100		80-120		
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	93		58-135		
1,2,3-Trichloropropane	1 U	1.	5	ug/l	97		76-120		
Vinyl Acetate	2 U	2.	10	ug/l	63	65	56-135	4	30
Vinyl Chloride	0.5 U	0.5	1	ug/l	97		63-120		
Xylene (Total)	0.5 U	0.5	1	ug/l	101		80-120		

Batch number: 14357WAI026

Sample number(s): 7722060

Acenaphthene	0.1 U	0.1	0.5	ug/l	95		80-112		
Acenaphthylene	0.1 U	0.1	0.5	ug/l	98		84-125		
Acetophenone	0.5 U	0.5	1	ug/l	92		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	105		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	59		34-95		
Aniline	0.5 U	0.5	1	ug/l	61		34-97		
Anthracene	0.1 U	0.1	0.5	ug/l	97		82-116		
Benzo(a)anthracene	0.1 U	0.1	0.5	ug/l	100		81-126		
Benzo(a)pyrene	0.1 U	0.1	0.5	ug/l	99		82-116		
Benzo(b)fluoranthene	0.1 U	0.1	0.5	ug/l	95		82-121		
Benzo(g,h,i)perylene	0.1 U	0.1	0.5	ug/l	90		76-128		
Benzo(k)fluoranthene	0.1 U	0.1	0.5	ug/l	101		81-122		
Benzyl alcohol	10 U	10.	30	ug/l	84		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	92		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	99		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	99		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	96		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	88		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	65		44-114		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chlorobenzilate	3 U	3.	10	ug/l	94		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	92		77-115		
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	90		78-112		
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	95		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	91		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	95		78-119		
Chrysene	0.1 U	0.1	0.5	ug/l	103		81-120		
Diallate trans/cis	1 U	1.	5	ug/l	97		80-126		
Dibenz(a,h)anthracene	0.1 U	0.1	0.5	ug/l	93		80-130		
Dibenzofuran	0.5 U	0.5	1	ug/l	95		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	90		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	86		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	88		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	72		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	92		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	96		83-121		
Diethylphthalate	2 U	2.	5	ug/l	92		70-118		
Dimethoate	3 U	3.	10	ug/l	68		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	88		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	23		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	77		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	89		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	88		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	97		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	93		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	74		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	97		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	93		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	93		77-113		
bis(2-Ethylhexyl) phthalate	2 U	2.	5	ug/l	106		78-124		
Fluoranthene	0.1 U	0.1	0.5	ug/l	98		82-121		
Fluorene	0.1 U	0.1	0.5	ug/l	97		80-117		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	95		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	83		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	62		18-130		
Hexachloroethane	1 U	1.	5	ug/l	77		55-109		
Hexachloropropene	2 U	2.	5	ug/l	69		47-121		
Indeno(1,2,3-cd)pyrene	0.1 U	0.1	0.5	ug/l	90		80-126		
Isodrin	0.5 U	0.5	1	ug/l	100		83-119		
Isophorone	0.5 U	0.5	1	ug/l	97		81-124		
Isosafrole	2 U	2.	5	ug/l	95		68-150		
Methapyrilene	15 U	15.	50	ug/l	123		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	86		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	93		84-117		
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	89		75-106		
2-Methylphenol	0.5 U	0.5	1	ug/l	90		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	89		56-109		
Naphthalene	0.1 U	0.1	0.5	ug/l	92		75-108		
1,4-Naphthoquinone	25 U	25.	60	ug/l	2*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	38		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	49		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	69		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	96		84-122		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
3-Nitroaniline	0.5 U	0.5	1	ug/l	74		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	82		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	93		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	96		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	63		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	81		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	89		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	88		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	72		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	94		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	91		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	83		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	93		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	89		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	103		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	92		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	95		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	88		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	90		81-120		
Phenanthrene	0.1 U	0.1	0.5	ug/l	93		81-114		
Phenol	0.5 U	0.5	1	ug/l	59		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	87		57-110		
Pronamide	0.5 U	0.5	1	ug/l	98		78-125		
Pyrene	0.1 U	0.1	0.5	ug/l	93		81-112		
Pyridine	2 U	2.	5	ug/l	71		22-96		
Safrole	2 U	2.	5	ug/l	90		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	91		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	98		76-128		
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	89		75-114		
Thionazin	2 U	2.	5	ug/l	92		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	53		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	93		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	96		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	66		12-129		

Batch number: 14360SLB026

Sample number(s): 7722023,7722026,7722029

Acenaphthene	3 U	3.	17	ug/kg	101		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	108		83-127		
Acetophenone	17 U	17.	33	ug/kg	94		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	101		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	40		14-89		
Aniline	170 U	170.	500	ug/kg	61		43-110		
Anthracene	3 U	3.	17	ug/kg	103		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	98		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	119		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	100		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	97		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	95		75-132		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1'-Biphenyl	17	U	17.	33	ug/kg	93		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	101		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	106		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	107		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	113		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	28		10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	126		81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	102		65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	96		77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	99		73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	112		63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	107		80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	97		83-115		
Chrysene	3	U	3.	17	ug/kg	98		77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	109		76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	104		81-123		
Dibenzofuran	17	U	17.	33	ug/kg	99		85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	96		79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	97		79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	96		79-112		
3,3'-Dichlorobenzidine	100		100.	330	ug/kg	73		10-125		
	U									
2,4-Dichlorophenol	17	U	17.	33	ug/kg	107		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	108		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	101		81-118		
Dimethoate	170		170.	500	ug/kg	52		18-80		
	U									
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	102		81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	100*		17-78		
	U									
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	109		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	103		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	101		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	104		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	95		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	108		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	108		83-120		
1,4-Dioxane	100		100.	330	ug/kg	61		33-86		
	U									
Diphenyl ether	17	U	17.	33	ug/kg	99		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	99		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	106		81-121		
Fluoranthene	3	U	3.	17	ug/kg	99		75-118		
Fluorene	3	U	3.	17	ug/kg	103		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	96		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	97		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	107		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	96		78-114		
Hexachloropropene	100		100.	330	ug/kg	100		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	101		76-122		
Isodrin	17	U	17.	33	ug/kg	110		85-128		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Isophorone	17	U	17.	33	ug/kg	108		83-119		
Isosafrole	67	U	67.	170	ug/kg	108		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	106		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	103		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	109		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	100		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	112		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	101		75-119		
Naphthalene	3	U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	89		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	54		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	33		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	53		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	116		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	85		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	88		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	98		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	108		83-120		
4-Nitrophenol	170		170.	500	ug/kg	104		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	102		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	101		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	81		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	96		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	87		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	103		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	89		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	100		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	103		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	130		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	97		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	102		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	80		46-133		
Phenacetin	67	U	67.	170	ug/kg	104		76-119		
Phenanthrene	3	U	3.	17	ug/kg	96		80-114		
Phenol	17	U	17.	33	ug/kg	98		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	83		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	101		72-119		
Pyrene	3	U	3.	17	ug/kg	97		81-114		
Pyridine	67	U	67.	170	ug/kg	78		51-109		
Safrole	67	U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	93		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	106		77-129		
Tetraethyldithiopyrophosphate	67	U	67.	170	ug/kg	104		77-123		
Thionazin	67	U	67.	170	ug/kg	106		76-123		
o-Toluidine	200		200.	670	ug/kg	39		12-110		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	101	83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	106	86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	110	81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	100	82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	82	67-111		
	U								
Batch number: 14360SLG026	Sample number(s): 7722032,7722035,7722038,7722043-7722045,7722055,7722058								
Acenaphthene	3	U	3.	17	ug/kg	100	83-111		
Acenaphthylene	3	U	3.	17	ug/kg	108	83-127		
Acetophenone	17	U	17.	33	ug/kg	94	76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	102	78-116		
4-Aminobiphenyl	170		170.	500	ug/kg	45	14-89		
	U								
Aniline	170		170.	500	ug/kg	73	43-110		
	U								
Anthracene	3	U	3.	17	ug/kg	102	82-118		
Benzo(a) anthracene	3	U	3.	17	ug/kg	95	76-119		
Benzo(a) pyrene	3	U	3.	17	ug/kg	104	84-122		
Benzo(b) fluoranthene	3	U	3.	17	ug/kg	113	78-129		
Benzo(g,h,i) perylene	3	U	3.	17	ug/kg	101	77-121		
Benzo(k) fluoranthene	3	U	3.	17	ug/kg	98	79-120		
Benzyl alcohol	170		170.	500	ug/kg	94	75-132		
	U								
1,1'-Biphenyl	17	U	17.	33	ug/kg	92	78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	100	84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	104	80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	106	84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	112	79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	39	10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	125	81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	101	65-123		
bis(2-Chloroethyl) ether	17	U	17.	33	ug/kg	96	77-115		
bis(2-Chloroisopropyl) ether	17	U	17.	33	ug/kg	100	73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	98	63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	106	80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	96	83-115		
Chrysene	3	U	3.	17	ug/kg	96	77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	112	76-135		
Dibenz(a,h) anthracene	3	U	3.	17	ug/kg	105	81-123		
Dibenzofuran	17	U	17.	33	ug/kg	98	85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	95	79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	95	79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	95	79-112		
3,3'-Dichlorobenzidine	100		100.	330	ug/kg	79	10-125		
	U								
2,4-Dichlorophenol	17	U	17.	33	ug/kg	106	81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	108	80-127		
Diethylphthalate	67	U	67.	170	ug/kg	101	81-118		
Dimethoate	170		170.	500	ug/kg	50	18-80		
	U								
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	104	81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	96*	17-78		
	U								
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	106	80-116		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,4-Dimethylphenol	17	U	17.	33	ug/kg	102		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	99		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	106		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	99		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	107		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	109		83-120		
1,4-Dioxane	100		100.	330	ug/kg	60		33-86		
	U									
Diphenyl ether	17	U	17.	33	ug/kg	97		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	99		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	104		81-121		
Fluoranthene	3	U	3.	17	ug/kg	98		75-118		
Fluorene	3	U	3.	17	ug/kg	102		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	95		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	95		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	112		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	97		78-114		
Hexachloropropene	100		100.	330	ug/kg	101		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	101		76-122		
Isodrin	17	U	17.	33	ug/kg	110		85-128		
Isophorone	17	U	17.	33	ug/kg	108		83-119		
Isosafrole	67	U	67.	170	ug/kg	109		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	100		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	112		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	99		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	111		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	102		75-119		
Naphthalene	3	U	3.	17	ug/kg	98		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	90		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	60		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	39		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	60		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	118		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	87		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	99		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	108		83-120		
4-Nitrophenol	170		170.	500	ug/kg	101		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	103		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	102		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	86		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	99		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	89		72-110		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	101		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	94		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	104		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	103		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	105		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	128		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	104		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	68		46-133		
Phenacetin	67	U	67.	170	ug/kg	107		76-119		
Phenanthrene	3	U	3.	17	ug/kg	93		80-114		
Phenol	17	U	17.	33	ug/kg	99		75-117		
1,4-Phenylenediamine	12,000		12,000.	33,000	ug/kg					
	U									
2-Picoline	100		100.	330	ug/kg	84		64-108		
	U									
Pronamide	33	U	33.	170	ug/kg	102		72-119		
Pyrene	3	U	3.	17	ug/kg	96		81-114		
Pyridine	67	U	67.	170	ug/kg	78		51-109		
Safrole	67	U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	92		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	105		77-129		
Tetraethyldithiopyrophosphate	67	U	67.	170	ug/kg	105		77-123		
Thionazin	67	U	67.	170	ug/kg	111		76-123		
o-Toluidine	200		200.	670	ug/kg	52		12-110		
	U									
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	100		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	106		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	110		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	99		82-117		
1,3,5-Trinitrobenzene	170		170.	500	ug/kg	82		67-111		
	U									
Batch number: 143570013A	Sample number(s): 7722060									
PCB-1016	0.080	U	0.080	0.40	ug/l	98	102	60-117	4	30
PCB-1221	0.080	U	0.080	0.40	ug/l					
PCB-1232	0.16	U	0.16	0.40	ug/l					
PCB-1242	0.080	U	0.080	0.40	ug/l					
PCB-1248	0.080	U	0.080	0.40	ug/l					
PCB-1254	0.080	U	0.080	0.40	ug/l					
PCB-1260	0.12	U	0.12	0.40	ug/l	96	104	64-134	8	30
Batch number: 143580013A	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722052,7722056,7722059									
PCB-1016	3.6	U	3.6	17	ug/kg	97		76-121		
PCB-1221	4.6	U	4.6	17	ug/kg					
PCB-1232	8.0	U	8.0	17	ug/kg					
PCB-1242	3.3	U	3.3	17	ug/kg					
PCB-1248	3.3	U	3.3	17	ug/kg					
PCB-1254	3.3	U	3.3	17	ug/kg					
PCB-1260	4.9	U	4.9	17	ug/kg	99		79-132		
Batch number: 143580022A	Sample number(s): 7722023,7722026,7722029,7722032,7722035,7722038,7722043-7722045,7722055,7722058									
Diethylene glycol	5.0	U	5.0	10	mg/kg	105		54-149		
Ethylene glycol	5.0	U	5.0	10	mg/kg	107		76-122		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propylene glycol	5.0 U	5.0	10	mg/kg	109		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	98		34-145		
Batch number: 143630008A Sample number(s): 7722060									
Diethylene glycol	8.0 U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	94		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	71		46-118		
Batch number: 143560639002A Sample number(s): 7722060									
Antimony	0.00033 U	0.00033	0.0020	mg/l	102	116	80-120	13	20
Arsenic	0.00082 U	0.00082	0.0040	mg/l	96	103	80-120	7	20
Lead	0.000082 U	0.00008	0.0020	mg/l	103	102	80-120	0	20
Thallium	0.00015 U	0.00015	0.0010	mg/l	97	107	80-120	9	20
Batch number: 143560639002B Sample number(s): 7722060									
Selenium	0.00050 U	0.00050	0.0040	mg/l	104	109	80-120	5	20
Batch number: 143580636001 Sample number(s): 7722060									
Barium	0.00033 U	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Cadmium	0.00033 U	0.00033	0.0100	mg/l	103		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	103		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	105		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	100		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	102		80-120		
Batch number: 143580637001 Sample number(s): 7722024, 7722027, 7722030, 7722033, 7722036, 7722039, 7722050-7722053, 7722056, 7722059									
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	101		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	99		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	102		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	103		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	114		80-120		
Tin	1.38 J	0.430	20.0	mg/kg	99		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	97		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	101		80-120		
Batch number: 143580637001A Sample number(s): 7722024, 7722027, 7722030, 7722033, 7722036, 7722039, 7722050-7722053, 7722056, 7722059									
Antimony	0.0844 U	0.0844	0.400	mg/kg	93		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	93		80-120		
Lead	0.0552 J	0.0128	0.400	mg/kg	105		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	108		80-120		
Batch number: 143580637001B Sample number(s): 7722024, 7722027, 7722030, 7722033, 7722036, 7722039, 7722050-7722053, 7722056, 7722059									
Selenium	0.100 U	0.100	0.800	mg/kg	105		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143640638001	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059								
Mercury	0.0100 U	0.0100	0.200	mg/kg	98		80-120		
Batch number: 143645713004	Sample number(s): 7722060								
Mercury	0.000060 U	0.00006	0.00020	mg/l	112		80-120		
Batch number: 14355027601A	Sample number(s): 7722060								
Hexavalent Chromium	0.0070 U	0.0070	0.020	mg/l	101	102	90-110	1	4
Batch number: 14363042501A	Sample number(s): 7722043,7722046-7722049,7722055,7722058								
Hexavalent Chromium	0.50 U	0.50	1.5	mg/kg	92		80-120		
Batch number: 14364820006B	Sample number(s): 7722022-7722059								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Q143611AA	Sample number(s): 7722022,7722025,7722028,7722031,7722034,7722037,7722040-7722042,7722054,7722057,7722061-7722064 UNSPK: 7722040								
Acetone	86	94	31-195	9	30				
Acetonitrile	88	96	41-166	8	30				
Acrolein	85	86	10-165	0	30				
Acrylonitrile	90	96	48-139	7	30				
Allyl Chloride	104	110	55-154	6	30				
Benzene	101	107	55-143	5	30				
Bromodichloromethane	98	104	53-136	6	30				
Bromoform	91	98	50-144	7	30				
Bromomethane	129	134	42-168	4	30				
2-Butanone	93	98	37-163	6	30				
Carbon Disulfide	67	74	48-146	9	30				
Carbon Tetrachloride	105	115	51-165	8	30				
2-Chloro-1,3-butadiene	99	105	51-152	5	30				
Chlorobenzene	98	104	49-135	5	30				
Chloroethane	104	107	39-152	3	30				
Chloroform	107	112	61-142	5	30				
Chloromethane	96	102	36-143	6	30				
1,2-Dibromo-3-chloropropane	90	95	34-165	6	30				
Dibromochloromethane	96	103	51-128	7	30				
1,2-Dibromoethane	101	108	54-129	6	30				
Dibromomethane	103	105	57-130	2	30				
trans-1,4-Dichloro-2-butene	116	125	31-144	7	30				
Dichlorodifluoromethane	102	108	26-151	6	30				
1,1-Dichloroethane	101	109	63-142	7	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,2-Dichloroethane	115	122	54-143	6	30				
1,1-Dichloroethene	96	107	61-149	10	30				
cis-1,2-Dichloroethene	101	107	67-135	6	30				
trans-1,2-Dichloroethene	103	108	64-144	4	30				
1,2-Dichloropropane	101	109	54-144	7	30				
cis-1,3-Dichloropropene	101	107	45-137	6	30				
trans-1,3-Dichloropropene	102	110	51-134	7	30				
Ethyl Methacrylate	94	101	35-134	7	30				
Ethylbenzene	97	104	44-141	7	30				
2-Hexanone	100	106	32-160	6	30				
Isobutyl Alcohol	104	114	44-158	9	30				
Methacrylonitrile	102	105	54-142	3	30				
Methyl Iodide	89	95	52-139	7	30				
Methyl Methacrylate	99	101	42-134	2	30				
4-Methyl-2-pentanone	98	104	46-139	7	30				
Methylene Chloride	100	108	60-149	7	30				
Pentachloroethane	92	101	35-145	9	30				
Propionitrile	98	105	40-151	6	30				
Styrene	95	103	35-134	8	30				
1,1,1,2-Tetrachloroethane	98	107	55-139	9	30				
1,1,2,2-Tetrachloroethane	96	100	29-182	4	30				
Tetrachloroethene	97	106	42-149	9	30				
Toluene	97	102	50-146	5	30				
1,1,1-Trichloroethane	98	103	52-146	5	30				
1,1,2-Trichloroethane	100	107	58-152	7	30				
Trichloroethene	105	111	53-144	6	30				
Trichlorofluoromethane	106	114	47-163	7	30				
1,2,3-Trichloropropane	106	118	36-180	10	30				
Vinyl Acetate	67	74	21-139	10	30				
Vinyl Chloride	94	104	50-154	10	30				
Xylene (Total)	96	103	44-136	7	30				

Batch number: Y143571AA	Sample number(s): 7722060	UNSPK: P721287			
Acetone	77	79	35-144	3	30
Acrolein	94	92	39-136	2	30
Acrylonitrile	82	83	51-125	2	30
Allyl Chloride	101	100	47-142	0	30
Benzene	109	110	72-134	1	30
Bromodichloromethane	92	92	73-125	0	30
Bromoform	71	72	48-118	2	30
Bromomethane	83	76	47-129	8	30
2-Butanone	88	90	44-135	2	30
Carbon Disulfide	86	86	53-149	0	30
Carbon Tetrachloride	100	101	75-148	1	30
2-Chloro-1,3-butadiene	105	105	75-146	1	30
Chlorobenzene	108	109	87-124	1	30
Chloroethane	74	70	55-130	6	30
Chloroform	106	105	81-134	1	30
Chloromethane	123	115	61-125	6	30
1,2-Dibromo-3-chloropropane	75	77	50-123	3	30
Dibromochloromethane	89	91	74-116	2	30
1,2-Dibromoethane	101	104	77-116	2	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromomethane	97	99	83-119	2	30				
trans-1,4-Dichloro-2-butene	84	86	27-147	3	30				
Dichlorodifluoromethane	115	108	58-156	7	30				
1,1-Dichloroethane	110	112	84-129	2	30				
1,2-Dichloroethane	104	103	63-142	1	30				
1,1-Dichloroethene	105	105	79-137	0	30				
cis-1,2-Dichloroethene	107	108	80-141	0	30				
trans-1,2-Dichloroethene	109	110	86-131	1	30				
1,2-Dichloropropane	106	107	83-124	1	30				
cis-1,3-Dichloropropene	94	95	70-116	2	30				
trans-1,3-Dichloropropene	90	92	74-119	2	30				
Ethyl Methacrylate	96	98	64-126	2	30				
Ethylbenzene	109	110	71-134	2	30				
2-Hexanone	90	93	38-131	3	30				
Isobutyl Alcohol	99	101	53-142	2	30				
Methacrylonitrile	91	92	71-126	1	30				
Methyl Iodide	97	96	65-144	0	30				
Methyl Methacrylate	91	91	63-123	1	30				
4-Methyl-2-pentanone	92	94	45-128	2	30				
Methylene Chloride	102	102	78-133	0	30				
Pentachloroethane	91	94	71-117	3	30				
Propionitrile	102	103	61-138	1	30				
Styrene	105	107	78-125	1	30				
1,1,1,2-Tetrachloroethane	96	97	80-123	2	30				
1,1,2,2-Tetrachloroethane	95	97	72-128	2	30				
Tetrachloroethene	109	111	80-128	2	30				
Toluene	110	111	80-125	1	30				
1,1,1-Trichloroethane	89	90	69-140	2	30				
1,1,2-Trichloroethane	102	103	71-141	1	30				
Trichloroethene	110	111	88-133	1	30				
Trichlorofluoromethane	114	107	63-163	6	30				
1,2,3-Trichloropropane	95	97	76-118	2	30				
Vinyl Chloride	120	112	66-133	7	30				
Xylene (Total)	109	110	79-125	1	30				

Batch number: 14357WAI026	Sample number(s): 7722060	UNSPK: P721990			
Acenaphthene	96	94	74-119	4	30
Acenaphthylene	100	97	86-121	5	30
Acetophenone	89	90	77-114	1	30
2-Acetylaminofluorene	104	104	79-137	3	30
4-Aminobiphenyl	59	59	10-91	1	30
Aniline	57	57	22-103	3	30
Anthracene	98	96	78-114	5	30
Benzo(a)anthracene	101	98	77-122	5	30
Benzo(a)pyrene	98	97	73-125	3	30
Benzo(b)fluoranthene	95	93	73-126	4	30
Benzo(g,h,i)perylene	93	91	66-134	5	30
Benzo(k)fluoranthene	98	98	72-122	2	30
Benzyl alcohol	80	81	62-101	1	30
1,1'-Biphenyl	94	91	73-114	5	30
4-Bromophenyl-phenylether	98	97	76-124	4	30
Butylbenzylphthalate	98	98	76-124	3	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Di-n-butylphthalate	94	94	79-118	3	30				
4-Chloro-3-methylphenol	79	66	19-155	20	30				
4-Chloroaniline	63	61	34-122	5	30				
Chlorobenzilate	86	95	63-146	8	30				
bis(2-Chloroethoxy)methane	92	90	73-115	5	30				
bis(2-Chloroethyl)ether	88	88	77-113	2	30				
bis(2-Chloroisopropyl)ether	85	87	61-116	1	30				
2-Chloronaphthalene	98	96	64-134	4	30				
2-Chlorophenol	83	80	27-146	6	30				
4-Chlorophenyl-phenylether	97	94	73-117	5	30				
Chrysene	104	102	78-128	5	30				
Diallate trans/cis	97	97	75-130	2	30				
Dibenz(a,h)anthracene	95	94	72-132	4	30				
Dibenzofuran	96	94	71-116	5	30				
1,2-Dichlorobenzene	89	88	76-107	3	30				
1,3-Dichlorobenzene	85	85	68-107	3	30				
1,4-Dichlorobenzene	88	88	59-115	2	30				
3,3'-Dichlorobenzidine	73	73	16-128	3	30				
2,4-Dichlorophenol	87	80	31-147	10	30				
2,6-Dichlorophenol	89	84	75-116	7	30				
Diethylphthalate	91	92	69-118	2	30				
Dimethoate	60	73	10-112	17	30				
p-Dimethylaminoazobenzene	94	95	82-132	1	30				
3,3'-Dimethylbenzidine	0*	25	25-83	200*	30				
7,12-Dimethylbenz[a]anthracene	79	75	58-124	7	30				
2,4-Dimethylphenol	71	80	40-133	10	30				
Dimethylphthalate	83	88	54-125	3	30				
4,6-Dinitro-2-methylphenol	100	98	36-151	4	30				
1,3-Dinitrobenzene	93	92	82-122	3	30				
2,4-Dinitrophenol	70	73	20-168	2	30				
2,4-Dinitrotoluene	97	96	72-133	4	30				
2,6-Dinitrotoluene	100	97	79-127	5	30				
1,4-Dioxane	65	65	48-83	1	30				
Diphenyl ether	95	93	81-105	4	30				
Ethyl methanesulfonate	89	90	81-112	1	30				
bis(2-Ethylhexyl)phthalate	104	103	73-129	3	30				
Fluoranthene	98	96	78-122	4	30				
Fluorene	98	96	77-122	5	30				
Hexachlorobenzene	96	96	72-124	3	30				
Hexachlorobutadiene	86	83	53-126	5	30				
Hexachlorocyclopentadiene	90	87	26-142	5	30				
Hexachloroethane	79	79	50-119	1	30				
Hexachloropropene	82	82	67-132	2	30				
Indeno(1,2,3-cd)pyrene	93	90	69-129	5	30				
Isodrin	97	99	67-136	0	30				
Isophorone	97	95	67-139	4	30				
Isosafrole	96	96	74-104	2	30				
Methapyrilene	121	119	70-130	4	30				
Methyl methanesulfonate	81	84	37-93	0	30				
3-Methylcholanthrene	96	96	80-117	2	30				
2-Methylnaphthalene	90	88	65-120	4	30				
2-Methylphenol	75	68	26-135	12	30				

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Methylphenol	70	60	13-128	17	30				
Naphthalene	94	91	68-118	5	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	37	34	10-110	12	30				
2-Naphthylamine	48	46	10-101	8	30				
5-Nitro-o-toluidine	69	68	34-112	3	30				
2-Nitroaniline	99	97	76-132	4	30				
3-Nitroaniline	72	69	49-124	6	30				
4-Nitroaniline	83	79	43-126	8	30				
Nitrobenzene	93	91	69-127	4	30				
2-Nitrophenol	101	99	53-147	4	30				
4-Nitrophenol	61	59	10-116	5	30				
4-Nitroquinoline-1-oxide	81	83	50-120	0	30				
N-Nitroso-di-n-propylamine	87	88	70-123	1	30				
N-Nitrosodi-n-butylamine	81	82	65-111	1	30				
N-Nitrosodiethylamine	89	91	80-102	0	30				
N-Nitrosodimethylamine	65	66	37-80	1	30				
N-Nitrosodiphenylamine	95	93	75-124	5	30				
N-Nitrosomethylethylamine	86	89	72-115	1	30				
N-Nitrosomorpholine	80	82	71-115	0	30				
N-Nitrosopiperidine	91	92	84-117	2	30				
N-Nitrosopyrrolidine	84	86	72-120	0	30				
Di-n-octylphthalate	102	102	71-137	2	30				
Pentachlorobenzene	92	92	82-119	2	30				
Pentachloronitrobenzene	93	93	82-116	3	30				
Pentachlorophenol	84	60	23-133	34*	30				
Phenacetin	89	87	67-141	4	30				
Phenanthrene	94	92	76-112	5	30				
Phenol	49	47	10-107	6	30				
2-Picoline	81	83	44-96	0	30				
Pronamide	97	98	82-131	1	30				
Pyrene	94	91	79-111	5	30				
Pyridine	63	67	12-94	5	30				
Safrole	89	89	86-107	3	30				
1,2,4,5-Tetrachlorobenzene	94	91	79-114	5	30				
2,3,4,6-Tetrachlorophenol	93	66	56-131	36*	30				
Tetraethyldithiopyrophosphate	88	89	77-120	1	30				
Thionazin	92	91	72-117	3	30				
o-Toluidine	50	49	10-106	4	30				
1,2,4-Trichlorobenzene	94	92	68-119	4	30				
2,4,5-Trichlorophenol	88	84	37-148	7	30				
2,4,6-Trichlorophenol	89	76	19-162	18	30				
O,O,O-Triethylphosphorothioate	95	95	75-128	2	30				
1,3,5-Trinitrobenzene	59	73	35-129	20	30				

Batch number: 14360SLB026	Sample number(s): 7722023,7722026,7722029 UNSPK: P719973								
Acenaphthene	6*	-4*	55-132	10	30				
Acenaphthylene	83	73	53-143	9	30				
Acetophenone	112*	98	67-111	13	30				
2-Acetylaminofluorene	0*	0*	48-138	0	30				
4-Aminobiphenyl	0*	0*	10-80	0	30				
Aniline	0*	0*	23-96	0	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Anthracene	74	72	42-147	2	30				
Benzo(a)anthracene	100	99	32-150	1	30				
Benzo(a)pyrene	88	84	36-151	4	30				
Benzo(b)fluoranthene	96	96	29-150	0	30				
Benzo(g,h,i)perylene	103	89	41-147	12	30				
Benzo(k)fluoranthene	101	92	35-146	9	30				
Benzyl alcohol	0*	0*	69-131	0	30				
1,1'-Biphenyl	132*	109	57-123	19	30				
4-Bromophenyl-phenylether	103	98	58-142	4	30				
Butylbenzylphthalate	0*	0*	50-137	0	30				
Di-n-butylphthalate	0*	0*	57-130	0	30				
4-Chloro-3-methylphenol	94	91	39-150	4	30				
4-Chloroaniline	0*	54	10-100	200*	30				
Chlorobenzilate	114	117	79-128	3	30				
bis(2-Chloroethoxy)methane	98	97	54-128	1	30				
bis(2-Chloroethyl)ether	72	87	69-114	19	30				
bis(2-Chloroisopropyl)ether	105	119	62-120	13	30				
2-Chloronaphthalene	109	95	40-156	13	30				
2-Chlorophenol	94	99	35-152	5	30				
4-Chlorophenyl-phenylether	102	102	56-130	0	30				
Chrysene	83	73	28-146	9	30				
Diallate TRANS/CIS	0*	0*	45-145	0	30				
Dibenz(a,h)anthracene	96	108	54-142	13	30				
Dibenzofuran	100	97	46-137	3	30				
1,2-Dichlorobenzene	96	97	45-133	1	30				
1,3-Dichlorobenzene	90	97	45-129	7	30				
1,4-Dichlorobenzene	94	91	44-132	3	30				
3,3'-Dichlorobenzidine	0*	0*	10-143	0	30				
2,4-Dichlorophenol	93	95	39-153	3	30				
2,6-Dichlorophenol	98	99	56-133	2	30				
Diethylphthalate	0*	0*	54-127	0	30				
Dimethoate	0*	0*	39-178	0	30				
p-Dimethylaminoazobenzene	0*	0*	77-123	0	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	140*	123	44-139	12	30				
2,4-Dimethylphenol	82	81	38-140	1	30				
Dimethylphthalate	0*	0*	45-135	0	30				
4,6-Dinitro-2-methylphenol	0*	0*	10-148	0	30				
1,3-Dinitrobenzene	0*	0*	73-116	0	30				
2,4-Dinitrophenol	0*	0*	20-143	0	30				
2,4-Dinitrotoluene	0*	0*	39-144	0	30				
2,6-Dinitrotoluene	105	117	54-134	12	30				
1,4-Dioxane	0*	0*	10-98	0	30				
Diphenyl ether	101	97	54-125	3	30				
Ethyl methanesulfonate	0*	0*	44-120	0	30				
bis(2-Ethylhexyl)phthalate	0*	0*	52-138	0	30				
Fluoranthene	92	87	41-135	4	30				
Fluorene	-53*	-50*	55-128	3	30				
Hexachlorobenzene	91	92	46-132	1	30				
Hexachlorobutadiene	100	92	65-125	8	30				
Hexachlorocyclopentadiene	0*	0*	10-153	0	30				
Hexachloroethane	124	110	24-138	12	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Hexachloropropene	0*	0*	39-124	0	30				
Indeno(1,2,3-cd)pyrene	105	106	44-147	1	30				
Isodrin	104	118	10-143	12	30				
Isophorone	98	98	68-119	1	30				
Isosafrole	0*	0*	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	101	118	65-123	16	30				
2-Methylnaphthalene	206*	-74*	39-140	92*	30				
2-Methylphenol	127	114	36-149	11	30				
4-Methylphenol	95	94	29-143	0	30				
Naphthalene	115	97	44-142	17	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	0*	0*	10-92	0	30				
2-Naphthylamine	0*	0*	10-71	0	30				
5-Nitro-o-toluidine	0*	0*	33-107	0	30				
2-Nitroaniline	95	97	64-131	2	30				
3-Nitroaniline	0*	0*	31-145	0	30				
4-Nitroaniline	0*	0*	30-131	0	30				
Nitrobenzene	98	81	41-141	18	30				
2-Nitrophenol	95	100	45-146	5	30				
4-Nitrophenol	0*	0*	25-142	0	30				
4-Nitroquinoline-1-oxide	0*	0*	10-160	0	30				
N-Nitroso-di-n-propylamine	107	103	58-126	4	30				
N-Nitrosodi-n-butylamine	0*	0*	38-136	0	30				
N-Nitrosodiethylamine	90	87	56-112	3	30				
N-Nitrosodimethylamine	0*	0*	61-110	0	30				
N-Nitrosodiphenylamine	109	99	59-135	9	30				
N-Nitrosomethylethylamine	0*	0*	54-118	0	30				
N-Nitrosomorpholine	0*	0*	72-121	0	30				
N-Nitrosopiperidine	93	90	48-131	3	30				
N-Nitrosopyrrolidine	91	91	59-131	0	30				
Di-n-octylphthalate	0*	0*	54-151	0	30				
Pentachlorobenzene	99	93	69-119	5	30				
Pentachloronitrobenzene	0*	0*	78-116	0	30				
Pentachlorophenol	0*	0*	23-145	0	30				
Phenacetin	0*	0*	69-121	0	30				
Phenanthrene	-110*	-104*	42-141	5	30				
Phenol	118	100	61-130	16	30				
2-Picoline	0*	0*	55-104	0	30				
Pronamide	0*	0*	69-130	0	30				
Pyrene	86	86	37-140	0	30				
Pyridine	0*	0*	16-108	0	30				
Safrole	0*	0*	76-114	0	30				
1,2,4,5-Tetrachlorobenzene	102	92	71-120	10	30				
2,3,4,6-Tetrachlorophenol	0*	0*	62-132	0	30				
Tetraethyldithiopyrophosphate	0*	0*	76-126	0	30				
Thionazin	0*	0*	65-123	0	30				
o-Toluidine	0*	0*	21-84	0	30				
1,2,4-Trichlorobenzene	100	96	50-139	4	30				
2,4,5-Trichlorophenol	107	87	64-131	20	30				
2,4,6-Trichlorophenol	103	105	60-136	3	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
O,O,O-Triethylphosphorothioate	0*	0*	70-119	0	30				
1,3,5-Trinitrobenzene	0*	0*	10-113	0	30				

Batch number: 14360SLG026

Sample number(s): 7722032,7722035,7722038,7722043-7722045,7722055,7722058 UNSPK:
7722043

Acenaphthene	95	92	55-132	3	30				
Acenaphthylene	102	100	53-143	2	30				
Acetophenone	92	88	67-111	4	30				
2-Acetylaminofluorene	102	96	48-138	6	30				
4-Aminobiphenyl	31	34	10-80	9	30				
Aniline	53	60	23-96	14	30				
Anthracene	99	96	42-147	3	30				
Benzo(a)anthracene	91	89	32-150	2	30				
Benzo(a)pyrene	97	95	36-151	2	30				
Benzo(b)fluoranthene	107	104	29-150	3	30				
Benzo(g,h,i)perylene	98	96	41-147	3	30				
Benzo(k)fluoranthene	94	88	35-146	6	30				
Benzyl alcohol	97	93	69-131	4	30				
1,1'-Biphenyl	91	89	57-123	3	30				
4-Bromophenyl-phenylether	103	99	58-142	4	30				
Butylbenzylphthalate	100	97	50-137	3	30				
Di-n-butylphthalate	102	99	57-130	3	30				
4-Chloro-3-methylphenol	100	96	39-150	3	30				
4-Chloroaniline	26	29	10-100	13	30				
Chlorobenzilate	116	115	79-128	1	30				
bis(2-Chloroethoxy)methane	97	94	54-128	3	30				
bis(2-Chloroethyl)ether	101	98	69-114	3	30				
bis(2-Chloroisopropyl)ether	103	100	62-120	3	30				
2-Chloronaphthalene	89	90	40-156	1	30				
2-Chlorophenol	103	99	35-152	3	30				
4-Chlorophenyl-phenylether	92	91	56-130	1	30				
Chrysene	88	85	28-146	4	30				
Diallate TRANS/CIS	117	115	45-145	2	30				
Dibenz(a,h)anthracene	102	98	54-142	4	30				
Dibenzofuran	93	90	46-137	3	30				
1,2-Dichlorobenzene	94	91	45-133	3	30				
1,3-Dichlorobenzene	96	92	45-129	4	30				
1,4-Dichlorobenzene	95	92	44-132	4	30				
3,3'-Dichlorobenzidine	59	58	10-143	2	30				
2,4-Dichlorophenol	97	93	39-153	3	30				
2,6-Dichlorophenol	99	96	56-133	4	30				
Diethylphthalate	93	91	54-127	3	30				
Dimethoate	95	92	39-178	3	30				
p-Dimethylaminoazobenzene	103	99	77-123	4	30				
3,3'-Dimethylbenzidine	32	34	10-103	6	30				
7,12-Dimethylbenz[a]anthracene	100	97	44-139	3	30				
2,4-Dimethylphenol	97	93	38-140	4	30				
Dimethylphthalate	95	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	98	96	10-148	2	30				
1,3-Dinitrobenzene	97	93	73-116	4	30				
2,4-Dinitrophenol	92	86	20-143	7	30				
2,4-Dinitrotoluene	97	95	39-144	1	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,6-Dinitrotoluene	102	100	54-134	2	30				
1,4-Dioxane	69	64	10-98	7	30				
Diphenyl ether	96	96	54-125	1	30				
Ethyl methanesulfonate	97	92	44-120	5	30				
bis(2-Ethylhexyl)phthalate	101	99	52-138	3	30				
Fluoranthene	90	89	41-135	1	30				
Fluorene	97	94	55-128	3	30				
Hexachlorobenzene	98	95	46-132	3	30				
Hexachlorobutadiene	98	95	65-125	3	30				
Hexachlorocyclopentadiene	116	107	10-153	9	30				
Hexachloroethane	98	96	24-138	3	30				
Hexachloropropene	104	100	39-124	4	30				
Indeno(1,2,3-cd)pyrene	98	95	44-147	2	30				
Isodrin	119	106	10-143	11	30				
Isophorone	107	104	68-119	3	30				
Isosafrole	108	105	69-135	3	30				
Methapyrilene	39*	37*	70-130	6	30				
Methyl methanesulfonate	90	84	10-134	7	30				
3-Methylcholanthrene	110	106	65-123	4	30				
2-Methylnaphthalene	91	88	39-140	3	30				
2-Methylphenol	104	100	36-149	4	30				
4-Methylphenol	94	90	29-143	4	30				
Naphthalene	94	92	44-142	3	30				
1,4-Naphthoquinone	88	87	70-130	1	30				
1-Naphthylamine	31	32	10-92	4	30				
2-Naphthylamine	29	34	10-71	18	30				
5-Nitro-o-toluidine	76	72	33-107	5	30				
2-Nitroaniline	109	106	64-131	3	30				
3-Nitroaniline	79	79	31-145	1	30				
4-Nitroaniline	78	73	30-131	7	30				
Nitrobenzene	101	99	41-141	2	30				
2-Nitrophenol	103	101	45-146	2	30				
4-Nitrophenol	89	86	25-142	4	30				
4-Nitroquinoline-1-oxide	79	74	10-160	7	30				
N-Nitroso-di-n-propylamine	102	97	58-126	5	30				
N-Nitrosodi-n-butylamine	77	75	38-136	2	30				
N-Nitrosodiethylamine	100	98	56-112	3	30				
N-Nitrosodimethylamine	96	93	61-110	3	30				
N-Nitrosodiphenylamine	101	98	59-135	2	30				
N-Nitrosomethylethylamine	95	92	54-118	3	30				
N-Nitrosomorpholine	97	94	72-121	4	30				
N-Nitrosopiperidine	97	95	48-131	3	30				
N-Nitrosopyrrolidine	99	96	59-131	3	30				
Di-n-octylphthalate	125	123	54-151	2	30				
Pentachlorobenzene	98	94	69-119	3	30				
Pentachloronitrobenzene	102	100	78-116	3	30				
Pentachlorophenol	83	81	23-145	3	30				
Phenacetin	102	100	69-121	2	30				
Phenanthrene	88	86	42-141	2	30				
Phenol	95	91	61-130	5	30				
2-Picoline	81	77	55-104	6	30				
Pronamide	101	98	69-130	3	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Pyrene	88	88	37-140	0	30				
Pyridine	80	80	16-108	1	30				
Safrole	96	92	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	97	95	71-120	2	30				
2,3,4,6-Tetrachlorophenol	101	94	62-132	7	30				
Tetraethylthiopyrophosphate	107	106	76-126	1	30				
Thionazin	107	103	65-123	3	30				
o-Toluidine	37	43	21-84	15	30				
1,2,4-Trichlorobenzene	98	96	50-139	2	30				
2,4,5-Trichlorophenol	101	97	64-131	3	30				
2,4,6-Trichlorophenol	107	105	60-136	2	30				
O,O,O-Triethylphosphorothioate	99	96	70-119	4	30				
1,3,5-Trinitrobenzene	80	76	10-113	5	30				
Batch number: 143580013A Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722052,7722056,7722059 UNSPK: 7722050									
PCB-1016	105	107	41-135	2	50				
PCB-1260	108	109	38-148	2	50				
Batch number: 143580022A Sample number(s): 7722023,7722026,7722029,7722032,7722035,7722038,7722043-7722045,7722055,7722058 UNSPK: 7722043									
Diethylene glycol	83	84	48-124	1	20				
Ethylene glycol	95	93	68-115	2	20				
Propylene glycol	100	97	71-115	2	20				
Triethylene glycol	63	66	23-139	5	20				
Batch number: 143630008A Sample number(s): 7722060 UNSPK: P721990									
Diethylene glycol	108	93	52-122	15	20				
Ethylene glycol	118	101	54-123	15	20				
Propylene glycol	121	101	55-131	18	20				
Triethylene glycol	87	82	33-123	6	20				
Batch number: 143580636001 Sample number(s): 7722060 UNSPK: P721990 BKG: P721990									
Barium	100	102	75-125	2	20	0.0071 J	0.0069 J	2 (1)	20
Beryllium	100	101	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Cadmium	100	101	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Chromium	102	99	75-125	2	20	0.0145 J	0.0150 J	4 (1)	20
Cobalt	101	102	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	102	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (1)	20
Silver	103	106	75-125	3	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	102	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	102	103	75-125	1	20	0.0023 J	0.0024 J	6 (1)	20
Zinc	100	101	75-125	2	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143580637001 Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050									
Barium	98	96	75-125	3	20	58.7	55.8	5	20
Beryllium	109	107	75-125	3	20	1.37	1.35	2 (1)	20
Cadmium	95	95	75-125	2	20	0.0720 J	0.0942 J	27* (1)	20
Chromium	99	96	75-125	4	20	4.11	7.00	52* (1)	20
Cobalt	94	94	75-125	2	20	2.93	2.94	0 (1)	20

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Copper	107	103	75-125	5	20	4.34	6.67	42* (1)	20	20
Nickel	93	92	75-125	2	20	7.22	6.13	16 (1)	20	20
Silver	115	117	75-125	0	20	0.662 J	0.437 J	41* (1)	20	20
Tin	87	86	75-125	2	20	2.53 J	2.67 J	6 (1)	20	20
Vanadium	94	93	75-125	2	20	17.2	16.8	2	20	20
Zinc	98	97	75-125	2	20	35.8	35.3	1	20	20
Batch number: 143580637001A	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050									
Antimony	-317 (2)	-171 (2)	75-125	20	20	11.8	8.94	27*	20	20
Arsenic	119	103	75-125	9	20	1.79	1.81	1 (1)	20	20
Lead	110 (2)	67 (2)	75-125	9	20	12.5	12.6	1	20	20
Thallium	128*	106	75-125	12	20	0.339	0.361	6 (1)	20	20
Batch number: 143580637001B	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050									
Selenium	105	103	75-125	4	20	0.368 J	0.332 J	10 (1)	20	20
Batch number: 143640638001	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050									
Mercury	99	99	75-125	3	20	0.0163 J	0.0155 J	5 (1)	20	20
Batch number: 143645713004	Sample number(s): 7722060 UNSPK: P722960 BKG: P722960									
Mercury	109	108	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20	20
Batch number: 14363042501A	Sample number(s): 7722043,7722046-7722049,7722055,7722058 UNSPK: 7722043 BKG: 7722043									
Hexavalent Chromium	89		75-125			0.50 U	0.73 J	200* (1)	20	20
Batch number: 14364820006B	Sample number(s): 7722022-7722059 BKG: 7722040									
Moisture						10.7	11.0	3	5	5
Moisture						10.7	10.7	0	5	5
Moisture Duplicate						10.7	11.0	3	5	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: Q143611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7722022	85	83	83	81
7722025	88	92	86	85
7722028	84	85	81	80
7722031	89	92	86	85
7722034	82	86	77	77
7722037	89	90	87	84

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Surrogate Quality Control

7722040	92	96	87	86
7722041	91	88	88	86
7722042	96	93	93	92
7722054	95	97	94	91
7722057	85	87	83	79
7722061	87	89	86	89
7722062	81	80	79	88
7722063	87	90	85	85
7722064	81	83	79	79
Blank	105	102	103	101
LCS	97	98	94	89
MS	91	88	88	86
MSD	96	93	93	92
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles

Batch number: Y143571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7722060	96	99	100	97
Blank	97	99	100	98
LCS	97	98	100	99
LCSD	96	99	100	100
MS	97	99	101	99
MSD	96	98	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14357WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722060	36	55	89	83	87	81
Blank	44	62	86	86	88	87
LCS	55	72	97	89	89	84
MS	44	61	85	89	90	68
MSD	43	57	56	89	88	75
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14360SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722023	94	97	86	97	97	110
7722026	92	95	86	94	95	107
7722029	96	99	88	99	98	107
Blank	86	91	93	88	89	103
LCS	100	103	101	100	97	113
MS	89	87	86	90	102	117
MSD	86	84	85	84	97	109
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14360SLG026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722032	92	95	95	93	91	104
7722035	95	99	91	97	95	106
7722038	92	96	90	96	94	109
7722043	94	97	90	95	96	108

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Surrogate Quality Control

7722044	96	102	97	101	96	108
7722045	92	98	94	98	94	106
7722055	96	99	95	97	95	111
7722058	98	102	95	99	98	110
Blank	95	100	100	95	95	109
LCS	101	102	100	100	96	111
MS	96	102	97	101	96	108
MSD	92	98	94	98	94	106
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143570013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7722060	90	43
Blank	101	86
LCS	103	86
LCSD	107	92
Limits:	49-141	36-153

Analysis Name: PCBs
Batch number: 143580013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7722024	96	95
7722027	98	97
7722030	109	131
7722033	93	102
7722036	104	131
7722039	96	146
7722050	108	98
7722051	113	106
7722052	117	110
7722056	111	101
7722059	116	109
Blank	112	101
LCS	112	108
MS	113	106
MSD	117	110
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143580022A

	Tetramethylene glycol
7722023	86
7722026	86
7722029	83
7722032	84
7722035	82
7722038	82
7722043	85
7722044	89
7722045	87
7722055	85
7722058	87
Blank	98
LCS	98
MS	89

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 05:22 PM

Group Number: 1527338

Surrogate Quality Control

MSD 87
Limits: 71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143630008A
Tetramethylene glycol

7722060 89
Blank 100
LCS 94
MS 112
MSD 96
Limits: 54-136

*- Outside of specification

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1527338 Sample Nos.: 7722022-64

Acc't: 06643 SF: 218983 SCR No.: 163989

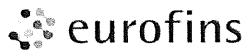
Cooler No.: C23497

30807

Cooler Temperature upon receipt: 0.8 °C

Container No.:

Facility Name: Brevard		Project Manager: Tracy Obvey					Analyses Required										Comments:		
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379					APPIX Volatiles (8260) Moisture (2540 G)										ISM Condition upon receipt: <u>Intact</u>		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>ME, HL, RH, MT</u>		Project Name: ISM 2014																	
Sample Identification			Date Collected	Time Collected	Matrix	Containers													
						Volume (ml)	Preserv	No.											
SSP14-ISM-DU-7C			<u>12-15-14</u>	<u>1420</u>	SW	1000	MeOH	3	X										
SSP14-ISM-DU-7C					SW	NA	None	3	X										
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:									
Bottles Relinquished by: <u>Bottle Storage</u>			Date	Time	Bottles Received by: <u>Hannah Lipomi</u>					Date:	Time:								
Bottles Relinquished by: <u>Hannah Lipomi</u>			Date: <u>12-19-14</u>	Time: <u>1200</u>	Bottles Received by:					Date:	Time:								
Bottles Relinquished by:			Date	Time	Bottles Received by:					Date:	Time:								
Bottles Relinquished by:			Date	Time	Bottles Received by: <u>[Signature]</u>					Date: <u>12/19/14</u>	Time: <u>230</u>								



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1527338 Sample Nos.: 7722022-64
 Acc't: 06643 SF: 218983 SCR No.: 163986 Cooler No.: C24509 **30791**
 Cooler Temperature upon receipt: 0.4 °C Container No.: 4

Facility Name: Brevard		Project Manager: Tracy Obvey			<table border="1"> <tr> <th colspan="10">Analyses Required</th> </tr> <tr> <td>APPIX SVs+site specific c/nps (8270D)</td> <td>APPIX Metals (6010/6020/7471B)</td> <td>Moisture (2540 G)</td> <td>PCBs (8082A)</td> <td>Glycols (8015C)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Analyses Required										APPIX SVs+site specific c/nps (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)							Comments:			
Analyses Required																																							
APPIX SVs+site specific c/nps (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)																																			
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379													ISM																								
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681													Condition upon receipt:																								
1300 Staton Road		Release No.:													Intact																								
Cedar Mountain NC 28718		PO Number:																																					
Sampler(s): <u>ME, HL, RH, MT</u>																																							
Project Name: ISM 2014																																							
Sample Identification		Date Collected	Time Collected	Matrix	Containers			APPIX SVs+site specific c/nps (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)																											
					Volume (ml)	Preserv	No.																																
SSP14-ISM-DU-7C		<u>12-15-14</u>	<u>1420</u>	<u>SW</u>	<u>1000</u>	<u>None</u>	<u>4</u>	X	X	X	X	X																											
SSP14-ISM-DU-7C		<u>12-15-14</u>	<u>1420</u>	<u>SW</u>	<u>1000</u>	<u>None</u>	<u>4</u>			X																													
Turnaround Time Requested (please circle):		Standard		RUSH		Number of days: <u>8</u>		Special Instructions:																															
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date		Time																													
<u>Hannah Lipson</u>		<u>12-19-14</u>		<u>1200</u>		<u>Hannah Lipson</u>																																	
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date		Time																													
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date		Time																													
						<u>[Signature]</u>		<u>12/19/14</u>		<u>2310</u>																													



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1527338 Sample Nos.: 7722022-10

Acc't: 06643 SF: 218983 SCR No.: 163989 Cooler No.: C23497 **30808**

Cooler Temperature upon receipt: 0.8 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>HL, ME, RH, MT</u>																			
Project Name: ISM 2014					APPIX Volatiles (8260)										ISM Condition upon receipt: <u>Intact</u>				
Sample Identification	Date Collected	Time Collected	Matrix	Containers													X		
				Volume (ml)														Preserv	No.
TB-# <u>12 15 14</u>	<u>12-15-14</u>	<u>1420</u>	<u>WW</u>	<u>40</u>													<u>MeOH</u>	<u>1</u>	
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:												
Bottles Relinquished by: <u>Bottle Storage</u>		Date	Time	Bottles Received by: <u>Hannah Lipani</u>			Date:	Time:											
Bottles Relinquished by: <u>Hannah Lipani</u>		<u>12-19-14</u>	<u>1200</u>	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date	Time	Bottles Received by:			Date:	Time:											
Bottles Relinquished by:		Date	Time	Bottles Received by:			Date: <u>12/19/14</u>	Time: <u>230</u>											

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 12/19/2014 23:10
 Number of Packages: 12 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Wesley Miller (2308) at 09:10 on 12/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.6	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N
5	DT121	0.4	DT	Wet	Y	Loose	N
6	DT121	0.3	DT	Wet	Y	Loose	N
7	DT121	0.3	DT	Wet	Y	Loose	N
8	DT121	0.1	DT	Wet	Y	Loose	N
9	DT121	0.3	DT	Wet	Y	Loose	N
10	DT121	0.2	DT	Wet	Y	Loose	N
11	DT121	0.1	DT	Wet	Y	Loose	N
12	DT121	0.4	DT	Wet	Y	Loose	N

Client: Dupont Brevard

Container Quantity Discrepancy Details

<u>Sample ID on COC</u>	<u>Container Qty. Received</u>	<u>Container Qty. on COC</u>	<u>Comments</u>
SSP14-ISM-DU-7A	7	11	COC# 30789 only received 4 soil jars, 1 jar received empty
SSP14-ISM-DU-7B	7	11	COC# 30790 only received 4 soil jars, 4 jars received empty
SSP14-ISM-DU-7C	7	11	COC# 30791 only received 4 soil jars, 4 jars received empty
SSP14-ISM-DU-8A	12	14	COC# 30792 only received 8 soil jars
SSP14-ISM-DU-8B	10	14	COC# 30793 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-8C	10	14	COC# 30794 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-9A	12	16	COC# 30836 only received 8 soil jars
SSP14-ISM-DU-9B	10	16	COC# 30837 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-9C	10	16	COC# 30838 only received 6 soil jars, 2 jars received empty
EB-121814	13	7	Received 6 extra HCl vials

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 24, 2014

Project: BRE - ISM

Submittal Date: 12/12/2014

Group Number: 1525320

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample DescriptionLancaster Labs (LL) #

SSP14-ISM-DU-5A Soil	7710567
SSP14-ISM-DU-5A Soil	7710568
SSP14-ISM-DU-5A Soil	7710569
SSP14-ISM-DU-5B Soil	7710570
SSP14-ISM-DU-5B Soil	7710571
SSP14-ISM-DU-5B Soil	7710572
SSP14-ISM-DU-5C Soil	7710573
SSP14-ISM-DU-5C Soil	7710574
SSP14-ISM-DU-5C Soil	7710575
SSP14-ISM-DU-6A Soil	7710576
SSP14-ISM-DU-6A Soil	7710577
SSP14-ISM-DU-6A Soil	7710578
SSP14-ISM-DU-6B Soil	7710579
SSP14-ISM-DU-6B Soil	7710580
SSP14-ISM-DU-6B Soil	7710581
SSP14-ISM-DU-6C Soil	7710582
SSP14-ISM-DU-6C Soil	7710583
SSP14-ISM-DU-6C Soil	7710584
TB-11-120914 Other Liquid	7710585
TB-11-121114 Other Liquid	7710586

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710567
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5AV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	420	U 420	1,200	52.19
10237	Acetonitrile	75-05-8	1,500	U 1,500	6,000	52.19
10237	Acrolein	107-02-8	1,200	U 1,200	6,000	52.19
10237	Acrylonitrile	107-13-1	240	U 240	1,200	52.19
10237	Allyl Chloride	107-05-1	60	U 60	300	52.19
10237	Benzene	71-43-2	30	U 30	300	52.19
10237	Bromodichloromethane	75-27-4	60	U 60	300	52.19
10237	Bromoform	75-25-2	60	U 60	300	52.19
10237	Bromomethane	74-83-9	120	U 120	300	52.19
10237	2-Butanone	78-93-3	240	U 240	600	52.19
10237	Carbon Disulfide	75-15-0	60	U 60	300	52.19
10237	Carbon Tetrachloride	56-23-5	60	U 60	300	52.19
10237	2-Chloro-1,3-butadiene	126-99-8	60	U 60	300	52.19
10237	Chlorobenzene	108-90-7	60	U 60	300	52.19
10237	Chloroethane	75-00-3	120	U 120	300	52.19
10237	Chloroform	67-66-3	60	U 60	300	52.19
10237	Chloromethane	74-87-3	120	U 120	300	52.19
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	300	52.19
10237	Dibromochloromethane	124-48-1	60	U 60	300	52.19
10237	1,2-Dibromoethane	106-93-4	60	U 60	300	52.19
10237	Dibromomethane	74-95-3	60	U 60	300	52.19
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U 600	3,000	52.19
10237	Dichlorodifluoromethane	75-71-8	120	U 120	300	52.19
10237	1,1-Dichloroethane	75-34-3	60	U 60	300	52.19
10237	1,2-Dichloroethane	107-06-2	60	U 60	300	52.19
10237	1,1-Dichloroethene	75-35-4	60	U 60	300	52.19
10237	cis-1,2-Dichloroethene	156-59-2	60	U 60	300	52.19
10237	trans-1,2-Dichloroethene	156-60-5	60	U 60	300	52.19
10237	1,2-Dichloropropane	78-87-5	60	U 60	300	52.19
10237	cis-1,3-Dichloropropene	10061-01-5	60	U 60	300	52.19
10237	trans-1,3-Dichloropropene	10061-02-6	60	U 60	300	52.19
10237	Ethyl Methacrylate	97-63-2	60	U 60	300	52.19
10237	Ethylbenzene	100-41-4	60	U 60	300	52.19
10237	2-Hexanone	591-78-6	180	U 180	600	52.19
10237	Isobutyl Alcohol	78-83-1	6,000	U 6,000	15,000	52.19
10237	Methacrylonitrile	126-98-7	300	U 300	3,000	52.19
10237	Methyl Iodide	74-88-4	180	U 180	300	52.19
10237	Methyl Methacrylate	80-62-6	60	U 60	300	52.19
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	600	52.19
10237	Methylene Chloride	75-09-2	120	U 120	300	52.19
10237	Pentachloroethane	76-01-7	60	U 60	300	52.19
10237	Propionitrile	107-12-0	1,800	U 1,800	6,000	52.19
10237	Styrene	100-42-5	60	U 60	300	52.19
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U 60	300	52.19
10237	1,1,1,2-Tetrachloroethane	79-34-5	60	U 60	300	52.19
10237	Tetrachloroethene	127-18-4	60	U 60	300	52.19
10237	Toluene	108-88-3	60	U 60	300	52.19
10237	1,1,1-Trichloroethane	71-55-6	60	U 60	300	52.19
10237	1,1,2-Trichloroethane	79-00-5	60	U 60	300	52.19
10237	Trichloroethene	79-01-6	60	U 60	300	52.19
10237	Trichlorofluoromethane	75-69-4	120	U 120	300	52.19

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710567
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5AV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	60	U 60	300	52.19
10237	Vinyl Acetate	108-05-4	120	U 120	600	52.19
10237	Vinyl Chloride	75-01-4	60	U 60	300	52.19
10237	Xylene (Total)	1330-20-7	60	U 60	300	52.19
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.4	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/19/2014 23:31	Kevin A Sposito	52.19
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	30	4	19	1
10726	Acenaphthylene	208-96-8	10	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	82	4	19	1
10726	Benzo(a)anthracene	56-55-3	240	4	19	1
10726	Benzo(a)pyrene	50-32-8	220	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	280	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	140	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	130	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	210	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	40	4	19	1
10726	Dibenzofuran	132-64-9	20	J 19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U 76	190	1
10726	Fluoranthene	206-44-0	460	4	19	1
10726	Fluorene	86-73-7	43	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	130	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	12	J 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	25	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	310	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	350	4	19	1
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.4	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS5AM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 12:13	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:32	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ITRC
ISM 2014

LL Sample # SW 7710569
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS5AS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	3.7 U	3.7	19	1
10885	PCB-1260	11096-82-5	18 J	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	70.8	0.0373	1.13	1
06947	Beryllium	7440-41-7	1.20	0.0757	1.13	1
06949	Cadmium	7440-43-9	0.185 J	0.0373	1.13	1
06951	Chromium	7440-47-3	8.99	0.124	3.39	1
06952	Cobalt	7440-48-4	3.79	0.109	1.13	1
06953	Copper	7440-50-8	8.43	0.373	2.26	1
06961	Nickel	7440-02-0	19.7	0.170	2.26	1
06966	Silver	7440-22-4	1.91	0.215	1.13	1
06969	Tin	7440-31-5	3.36 J	0.486	22.6	1
06971	Vanadium	7440-62-2	22.8	0.103	1.13	1
06972	Zinc	7440-66-6	58.0	0.294	4.52	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.205 J	0.0954	0.452	2
06125	Arsenic	7440-38-2	1.52	0.0965	0.904	2
06135	Lead	7439-92-1	17.3	0.0145	0.452	2
06141	Selenium	7782-49-2	0.255 J	0.113	0.904	2
06145	Thallium	7440-28-0	0.285	0.0339	0.226	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0235 J	0.0110	0.221	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.4	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5A Soil
ITRC
ISM 2014

LL Sample # SW 7710569
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5AS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014 13:11	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:51	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:06	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:06	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:06	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:06	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:06	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 08:59	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710570
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5BV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	380	U 380	1,100	48.4
10237	Acetonitrile	75-05-8	1,400	U 1,400	5,500	48.4
10237	Acrolein	107-02-8	1,100	U 1,100	5,500	48.4
10237	Acrylonitrile	107-13-1	220	U 220	1,100	48.4
10237	Allyl Chloride	107-05-1	55	U 55	270	48.4
10237	Benzene	71-43-2	27	U 27	270	48.4
10237	Bromodichloromethane	75-27-4	55	U 55	270	48.4
10237	Bromoform	75-25-2	55	U 55	270	48.4
10237	Bromomethane	74-83-9	110	U 110	270	48.4
10237	2-Butanone	78-93-3	220	U 220	550	48.4
10237	Carbon Disulfide	75-15-0	55	U 55	270	48.4
10237	Carbon Tetrachloride	56-23-5	55	U 55	270	48.4
10237	2-Chloro-1,3-butadiene	126-99-8	55	U 55	270	48.4
10237	Chlorobenzene	108-90-7	55	U 55	270	48.4
10237	Chloroethane	75-00-3	110	U 110	270	48.4
10237	Chloroform	67-66-3	55	U 55	270	48.4
10237	Chloromethane	74-87-3	110	U 110	270	48.4
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	270	48.4
10237	Dibromochloromethane	124-48-1	55	U 55	270	48.4
10237	1,2-Dibromoethane	106-93-4	55	U 55	270	48.4
10237	Dibromomethane	74-95-3	55	U 55	270	48.4
10237	trans-1,4-Dichloro-2-butene	110-57-6	550	U 550	2,700	48.4
10237	Dichlorodifluoromethane	75-71-8	110	U 110	270	48.4
10237	1,1-Dichloroethane	75-34-3	55	U 55	270	48.4
10237	1,2-Dichloroethane	107-06-2	55	U 55	270	48.4
10237	1,1-Dichloroethene	75-35-4	55	U 55	270	48.4
10237	cis-1,2-Dichloroethene	156-59-2	55	U 55	270	48.4
10237	trans-1,2-Dichloroethene	156-60-5	55	U 55	270	48.4
10237	1,2-Dichloropropane	78-87-5	55	U 55	270	48.4
10237	cis-1,3-Dichloropropene	10061-01-5	55	U 55	270	48.4
10237	trans-1,3-Dichloropropene	10061-02-6	55	U 55	270	48.4
10237	Ethyl Methacrylate	97-63-2	55	U 55	270	48.4
10237	Ethylbenzene	100-41-4	55	U 55	270	48.4
10237	2-Hexanone	591-78-6	160	U 160	550	48.4
10237	Isobutyl Alcohol	78-83-1	5,500	U 5,500	14,000	48.4
10237	Methacrylonitrile	126-98-7	270	U 270	2,700	48.4
10237	Methyl Iodide	74-88-4	160	U 160	270	48.4
10237	Methyl Methacrylate	80-62-6	55	U 55	270	48.4
10237	4-Methyl-2-pentanone	108-10-1	160	U 160	550	48.4
10237	Methylene Chloride	75-09-2	110	U 110	270	48.4
10237	Pentachloroethane	76-01-7	55	U 55	270	48.4
10237	Propionitrile	107-12-0	1,600	U 1,600	5,500	48.4
10237	Styrene	100-42-5	55	U 55	270	48.4
10237	1,1,1,2-Tetrachloroethane	630-20-6	55	U 55	270	48.4
10237	1,1,1,2-Tetrachloroethane	79-34-5	55	U 55	270	48.4
10237	Tetrachloroethene	127-18-4	55	U 55	270	48.4
10237	Toluene	108-88-3	55	U 55	270	48.4
10237	1,1,1-Trichloroethane	71-55-6	55	U 55	270	48.4
10237	1,1,2-Trichloroethane	79-00-5	55	U 55	270	48.4
10237	Trichloroethene	79-01-6	55	U 55	270	48.4
10237	Trichlorofluoromethane	75-69-4	110	U 110	270	48.4

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710570
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5BV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	55	U 55	270	48.4
10237	Vinyl Acetate	108-05-4	110	U 110	550	48.4
10237	Vinyl Chloride	75-01-4	55	U 55	270	48.4
10237	Xylene (Total)	1330-20-7	55	U 55	270	48.4
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	11.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/19/2014 23:54	Kevin A Sposito	48.4
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	9	J 4	19	1
10726	Acenaphthylene	208-96-8	4	J 4	19	1
10726	Acetophenone	98-86-2	19	U 19	37	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	560	1
10726	Aniline	62-53-3	190	U 190	560	1
10726	Anthracene	120-12-7	27	4	19	1
10726	Benzo(a)anthracene	56-55-3	100	4	19	1
10726	Benzo(a)pyrene	50-32-8	98	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	120	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	68	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	58	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	37	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	37	1
10726	4-Chloroaniline	106-47-8	19	U 19	37	1
10726	Chlorobenzilate	510-15-6	37	U 37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	37	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	37	1
10726	Chrysene	218-01-9	90	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U 37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	17	J 4	19	1
10726	Dibenzofuran	132-64-9	19	U 19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	370	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	37	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	37	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U 560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	37	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	37	1
10726	1,4-Dioxane	123-91-1	110	U 110	370	1
10726	Diphenyl ether	101-84-8	19	U 19	37	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	190	4	19	1
10726	Fluorene	86-73-7	9	J 4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	560	1
10726	Hexachloroethane	67-72-1	37	U 37	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	61	4	19	1
10726	Isodrin	465-73-6	19	U 19	37	1
10726	Isophorone	78-59-1	19	U 19	37	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	37	U 37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	37	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	37	1
10726	4-Methylphenol	106-44-5	19	U 19	37	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	560	1
10726	2-Naphthylamine	91-59-8	190	U 190	560	1
10726	2-Nitroaniline	88-74-4	19	U 19	37	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	560	1
10726	2-Nitrophenol	88-75-5	19	U 19	37	1
10726	4-Nitrophenol	100-02-7	190	U 190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U 370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	37	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	37	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	37	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	37	U 37	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	100	4	19	1
10726	Phenol	108-95-2	19	U 19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	37,000	1
10726	2-Picoline	109-06-8	110	U 110	370	1
10726	Pronamide	23950-58-5	37	U 37	190	1
10726	Pyrene	129-00-0	150	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	220	U 220	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	560	1
GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg		
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997	%	%	%		
00118	Moisture	n.a.	11.9	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS5BM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 12:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:46	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ITRC
ISM 2014

LL Sample # SW 7710572
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS5BS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.0 U	4.0	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0 U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7 U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7 U	3.7	19	1
10885	PCB-1254	11097-69-1	31	3.7	19	1
10885	PCB-1260	11096-82-5	5.5 U	5.5	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	70.8	0.0371	1.12	1
06947	Beryllium	7440-41-7	1.22	0.0753	1.12	1
06949	Cadmium	7440-43-9	0.185 J	0.0371	1.12	1
06951	Chromium	7440-47-3	6.37	0.124	3.37	1
06952	Cobalt	7440-48-4	3.64	0.108	1.12	1
06953	Copper	7440-50-8	5.88	0.371	2.25	1
06961	Nickel	7440-02-0	19.2	0.169	2.25	1
06966	Silver	7440-22-4	1.83	0.214	1.12	1
06969	Tin	7440-31-5	3.28 J	0.483	22.5	1
06971	Vanadium	7440-62-2	18.5	0.102	1.12	1
06972	Zinc	7440-66-6	49.2	0.292	4.50	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.123 J	0.0949	0.450	2
06125	Arsenic	7440-38-2	1.52	0.0960	0.899	2
06135	Lead	7439-92-1	16.2	0.0144	0.450	2
06141	Selenium	7782-49-2	0.288 J	0.112	0.899	2
06145	Thallium	7440-28-0	0.321	0.0337	0.225	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0228 J	0.0109	0.219	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	11.9	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5B Soil
ITRC
ISM 2014

LL Sample # SW 7710572
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS5BS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014 13:23	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:55	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:08	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:08	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:08	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:08	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:08	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:05	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710573
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	360	U 360	1,000	45.22
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,200	45.22
10237	Acrolein	107-02-8	1,000	U 1,000	5,200	45.22
10237	Acrylonitrile	107-13-1	210	U 210	1,000	45.22
10237	Allyl Chloride	107-05-1	52	U 52	260	45.22
10237	Benzene	71-43-2	26	U 26	260	45.22
10237	Bromodichloromethane	75-27-4	52	U 52	260	45.22
10237	Bromoform	75-25-2	52	U 52	260	45.22
10237	Bromomethane	74-83-9	100	U 100	260	45.22
10237	2-Butanone	78-93-3	210	U 210	520	45.22
10237	Carbon Disulfide	75-15-0	52	U 52	260	45.22
10237	Carbon Tetrachloride	56-23-5	52	U 52	260	45.22
10237	2-Chloro-1,3-butadiene	126-99-8	52	U 52	260	45.22
10237	Chlorobenzene	108-90-7	52	U 52	260	45.22
10237	Chloroethane	75-00-3	100	U 100	260	45.22
10237	Chloroform	67-66-3	52	U 52	260	45.22
10237	Chloromethane	74-87-3	100	U 100	260	45.22
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U 100	260	45.22
10237	Dibromochloromethane	124-48-1	52	U 52	260	45.22
10237	1,2-Dibromoethane	106-93-4	52	U 52	260	45.22
10237	Dibromomethane	74-95-3	52	U 52	260	45.22
10237	trans-1,4-Dichloro-2-butene	110-57-6	520	U 520	2,600	45.22
10237	Dichlorodifluoromethane	75-71-8	100	U 100	260	45.22
10237	1,1-Dichloroethane	75-34-3	52	U 52	260	45.22
10237	1,2-Dichloroethane	107-06-2	52	U 52	260	45.22
10237	1,1-Dichloroethene	75-35-4	52	U 52	260	45.22
10237	cis-1,2-Dichloroethene	156-59-2	52	U 52	260	45.22
10237	trans-1,2-Dichloroethene	156-60-5	52	U 52	260	45.22
10237	1,2-Dichloropropane	78-87-5	52	U 52	260	45.22
10237	cis-1,3-Dichloropropene	10061-01-5	52	U 52	260	45.22
10237	trans-1,3-Dichloropropene	10061-02-6	52	U 52	260	45.22
10237	Ethyl Methacrylate	97-63-2	52	U 52	260	45.22
10237	Ethylbenzene	100-41-4	52	U 52	260	45.22
10237	2-Hexanone	591-78-6	150	U 150	520	45.22
10237	Isobutyl Alcohol	78-83-1	5,200	U 5,200	13,000	45.22
10237	Methacrylonitrile	126-98-7	260	U 260	2,600	45.22
10237	Methyl Iodide	74-88-4	150	U 150	260	45.22
10237	Methyl Methacrylate	80-62-6	52	U 52	260	45.22
10237	4-Methyl-2-pentanone	108-10-1	150	U 150	520	45.22
10237	Methylene Chloride	75-09-2	100	U 100	260	45.22
10237	Pentachloroethane	76-01-7	52	U 52	260	45.22
10237	Propionitrile	107-12-0	1,500	U 1,500	5,200	45.22
10237	Styrene	100-42-5	52	U 52	260	45.22
10237	1,1,1,2-Tetrachloroethane	630-20-6	52	U 52	260	45.22
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	52	U 52	260	45.22
10237	Tetrachloroethene	127-18-4	52	U 52	260	45.22
10237	Toluene	108-88-3	52	U 52	260	45.22
10237	1,1,1-Trichloroethane	71-55-6	52	U 52	260	45.22
10237	1,1,2-Trichloroethane	79-00-5	52	U 52	260	45.22
10237	Trichloroethene	79-01-6	52	U 52	260	45.22
10237	Trichlorofluoromethane	75-69-4	100	U 100	260	45.22

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710573
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	52	U 52	260	45.22
10237	Vinyl Acetate	108-05-4	100	U 100	520	45.22
10237	Vinyl Chloride	75-01-4	52	U 52	260	45.22
10237	Xylene (Total)	1330-20-7	52	U 52	260	45.22
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 00:17	Kevin A Sposito	45.22
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	66	4	19	1
10726	Acenaphthylene	208-96-8	41	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U 75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	190	4	19	1
10726	Benzo(a)anthracene	56-55-3	560	4	19	1
10726	Benzo(a)pyrene	50-32-8	510	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	680	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	320	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	250	4	19	1
10726	Benzyl alcohol	100-51-6	240	J 190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U 19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U 75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U 75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	37	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	500	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	90	4	19	1
10726	Dibenzofuran	132-64-9	43	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	75	U 75	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U 75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	75	U 75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	75	U 75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U 75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	19	U 19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U 75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U 75	190	1
10726	Fluoranthene	206-44-0	1,100	4	19	1
10726	Fluorene	86-73-7	99	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	310	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	75	U 75	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	21	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	57	4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U 940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	75	U 75	190	1
10726	4-Nitroaniline	100-01-6	75	U 75	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U 75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U 75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U 75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U 75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U 75	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U 75	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	75	U 75	190	1
10726	Phenanthrene	85-01-8	690	4	19	1
10726	Phenol	108-95-2	19	U 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	800	4	19	1
10726	Pyridine	110-86-1	75	U 75	190	1
10726	Safrole	94-59-7	75	U 75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U 75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U 75	190	1
10726	Thionazin	297-97-2	75	U 75	190	1
10726	o-Toluidine	95-53-4	230	U 230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U 75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.2	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS5CM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 13:03	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:01	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ITRC
ISM 2014

LL Sample # SW 7710575
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS5CS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	28	3.8	19	1
10885	PCB-1260	11096-82-5	130	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	65.5	0.0361	1.10	1
06947	Beryllium	7440-41-7	1.24	0.0734	1.10	1
06949	Cadmium	7440-43-9	0.184 J	0.0361	1.10	1
06951	Chromium	7440-47-3	6.50	0.120	3.29	1
06952	Cobalt	7440-48-4	3.81	0.105	1.10	1
06953	Copper	7440-50-8	10.3	0.361	2.19	1
06961	Nickel	7440-02-0	27.2	0.164	2.19	1
06966	Silver	7440-22-4	4.68	0.208	1.10	1
06969	Tin	7440-31-5	3.38 J	0.471	21.9	1
06971	Vanadium	7440-62-2	17.9	0.0997	1.10	1
06972	Zinc	7440-66-6	71.1	0.285	4.38	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.116 J	0.0924	0.438	2
06125	Arsenic	7440-38-2	1.48	0.0935	0.876	2
06135	Lead	7439-92-1	16.5	0.0141	0.438	2
06141	Selenium	7782-49-2	0.273 J	0.110	0.876	2
06145	Thallium	7440-28-0	0.345	0.0329	0.219	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0248 J	0.0111	0.223	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.2	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-5C Soil
ITRC
ISM 2014

LL Sample # SW 7710575
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

IS5CS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014 13:34	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014 23:58	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:11	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:11	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:11	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:11	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:11	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:07	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710576
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6AV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	450	U 450	1,300	55.76
10237	Acetonitrile	75-05-8	1,600	U 1,600	6,400	55.76
10237	Acrolein	107-02-8	1,300	U 1,300	6,400	55.76
10237	Acrylonitrile	107-13-1	260	U 260	1,300	55.76
10237	Allyl Chloride	107-05-1	64	U 64	320	55.76
10237	Benzene	71-43-2	32	U 32	320	55.76
10237	Bromodichloromethane	75-27-4	64	U 64	320	55.76
10237	Bromoform	75-25-2	64	U 64	320	55.76
10237	Bromomethane	74-83-9	130	U 130	320	55.76
10237	2-Butanone	78-93-3	260	U 260	640	55.76
10237	Carbon Disulfide	75-15-0	64	U 64	320	55.76
10237	Carbon Tetrachloride	56-23-5	64	U 64	320	55.76
10237	2-Chloro-1,3-butadiene	126-99-8	64	U 64	320	55.76
10237	Chlorobenzene	108-90-7	64	U 64	320	55.76
10237	Chloroethane	75-00-3	130	U 130	320	55.76
10237	Chloroform	67-66-3	64	U 64	320	55.76
10237	Chloromethane	74-87-3	130	U 130	320	55.76
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U 130	320	55.76
10237	Dibromochloromethane	124-48-1	64	U 64	320	55.76
10237	1,2-Dibromoethane	106-93-4	64	U 64	320	55.76
10237	Dibromomethane	74-95-3	64	U 64	320	55.76
10237	trans-1,4-Dichloro-2-butene	110-57-6	640	U 640	3,200	55.76
10237	Dichlorodifluoromethane	75-71-8	130	U 130	320	55.76
10237	1,1-Dichloroethane	75-34-3	64	U 64	320	55.76
10237	1,2-Dichloroethane	107-06-2	64	U 64	320	55.76
10237	1,1-Dichloroethene	75-35-4	64	U 64	320	55.76
10237	cis-1,2-Dichloroethene	156-59-2	64	U 64	320	55.76
10237	trans-1,2-Dichloroethene	156-60-5	64	U 64	320	55.76
10237	1,2-Dichloropropane	78-87-5	64	U 64	320	55.76
10237	cis-1,3-Dichloropropene	10061-01-5	64	U 64	320	55.76
10237	trans-1,3-Dichloropropene	10061-02-6	64	U 64	320	55.76
10237	Ethyl Methacrylate	97-63-2	64	U 64	320	55.76
10237	Ethylbenzene	100-41-4	64	U 64	320	55.76
10237	2-Hexanone	591-78-6	190	U 190	640	55.76
10237	Isobutyl Alcohol	78-83-1	6,400	U 6,400	16,000	55.76
10237	Methacrylonitrile	126-98-7	320	U 320	3,200	55.76
10237	Methyl Iodide	74-88-4	190	U 190	320	55.76
10237	Methyl Methacrylate	80-62-6	64	U 64	320	55.76
10237	4-Methyl-2-pentanone	108-10-1	190	U 190	640	55.76
10237	Methylene Chloride	75-09-2	130	U 130	320	55.76
10237	Pentachloroethane	76-01-7	64	U 64	320	55.76
10237	Propionitrile	107-12-0	1,900	U 1,900	6,400	55.76
10237	Styrene	100-42-5	64	U 64	320	55.76
10237	1,1,1,2-Tetrachloroethane	630-20-6	64	U 64	320	55.76
10237	1,1,1,2-Tetrachloroethane	79-34-5	64	U 64	320	55.76
10237	Tetrachloroethene	127-18-4	64	U 64	320	55.76
10237	Toluene	108-88-3	64	U 64	320	55.76
10237	1,1,1-Trichloroethane	71-55-6	64	U 64	320	55.76
10237	1,1,2-Trichloroethane	79-00-5	64	U 64	320	55.76
10237	Trichloroethene	79-01-6	64	U 64	320	55.76
10237	Trichlorofluoromethane	75-69-4	290	J 130	320	55.76

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710576
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6AV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	64	U 64	320	55.76
10237	Vinyl Acetate	108-05-4	130	U 130	640	55.76
10237	Vinyl Chloride	75-01-4	64	U 64	320	55.76
10237	Xylene (Total)	1330-20-7	64	U 64	320	55.76
Wet Chemistry SM 2540 G-1997			%	%	%	
00111	Moisture	n.a.	12.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 00:40	Kevin A Sposito	55.76
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 11:50	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4,100	4	19	1
10726	Acenaphthylene	208-96-8	750	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	9,600	38	190	10
10726	Benzo(a)anthracene	56-55-3	16,000	38	190	10
10726	Benzo(a)pyrene	50-32-8	13,000	38	190	10
10726	Benzo(b)fluoranthene	205-99-2	18,000	38	190	10
10726	Benzo(g,h,i)perylene	191-24-2	8,100	38	190	10
10726	Benzo(k)fluoranthene	207-08-9	6,700	38	190	10
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	890	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	14,000	38	190	10
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	2,000	4	19	1
10726	Dibenzofuran	132-64-9	3,200	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	110	19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	180	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	160	J 76	190	1
10726	Fluoranthene	206-44-0	36,000	38	190	10
10726	Fluorene	86-73-7	6,600	38	190	10
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	7,900	38	190	10
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	150	19	38	1
10726	2-Methylnaphthalene	91-57-6	2,400	4	19	1
10726	2-Methylphenol	95-48-7	96	19	38	1
10726	4-Methylphenol	106-44-5	240	19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	5,600	38	190	10
10726	1,4-Naphthoquinone	130-15-4	960	U 960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	78	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	33,000	38	190	10
10726	Phenol	108-95-2	210	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	27,000	38	190	10
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6AM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 13:28	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 20:00	Linda M Hartenstine	10
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:16	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ITRC
ISM 2014

LL Sample # SW 7710578
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS6AS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	41 U	41	190	10
10885	PCB-1221	11104-28-2	53 U	53	190	10
10885	PCB-1232	11141-16-5	91 U	91	190	10
10885	PCB-1242	53469-21-9	2,900	38	190	10
10885	PCB-1248	12672-29-6	38 U	38	190	10
10885	PCB-1254	11097-69-1	38 U	38	190	10
10885	PCB-1260	11096-82-5	56 U	56	190	10
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	69.9	0.0371	1.12	1
06947	Beryllium	7440-41-7	1.40	0.0753	1.12	1
06949	Cadmium	7440-43-9	0.293 J	0.0371	1.12	1
06951	Chromium	7440-47-3	10.6	0.124	3.37	1
06952	Cobalt	7440-48-4	3.57	0.108	1.12	1
06953	Copper	7440-50-8	9.45	0.371	2.25	1
06961	Nickel	7440-02-0	16.3	0.169	2.25	1
06966	Silver	7440-22-4	3.98	0.214	1.12	1
06969	Tin	7440-31-5	3.63 J	0.483	22.5	1
06971	Vanadium	7440-62-2	29.2	0.102	1.12	1
06972	Zinc	7440-66-6	88.3	0.292	4.50	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.463	0.0949	0.450	2
06125	Arsenic	7440-38-2	1.92	0.0960	0.899	2
06135	Lead	7439-92-1	19.4	0.0144	0.450	2
06141	Selenium	7782-49-2	0.308 J	0.112	0.899	2
06145	Thallium	7440-28-0	0.266	0.0337	0.225	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	1.81	0.0544	1.09	5
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial# Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6A Soil
ITRC
ISM 2014

LL Sample # SW 7710578
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS6AS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/19/2014 09:11	Monica M Souders	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:02	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:13	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:13	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:13	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:13	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:13	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:42	Damary Valentin	5
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710579
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6BV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	410	U 410	1,200	51.41
10237	Acetonitrile	75-05-8	1,500	U 1,500	5,900	51.41
10237	Acrolein	107-02-8	1,200	U 1,200	5,900	51.41
10237	Acrylonitrile	107-13-1	240	U 240	1,200	51.41
10237	Allyl Chloride	107-05-1	59	U 59	290	51.41
10237	Benzene	71-43-2	29	U 29	290	51.41
10237	Bromodichloromethane	75-27-4	59	U 59	290	51.41
10237	Bromoform	75-25-2	59	U 59	290	51.41
10237	Bromomethane	74-83-9	120	U 120	290	51.41
10237	2-Butanone	78-93-3	240	U 240	590	51.41
10237	Carbon Disulfide	75-15-0	59	U 59	290	51.41
10237	Carbon Tetrachloride	56-23-5	59	U 59	290	51.41
10237	2-Chloro-1,3-butadiene	126-99-8	59	U 59	290	51.41
10237	Chlorobenzene	108-90-7	59	U 59	290	51.41
10237	Chloroethane	75-00-3	120	U 120	290	51.41
10237	Chloroform	67-66-3	59	U 59	290	51.41
10237	Chloromethane	74-87-3	120	U 120	290	51.41
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U 120	290	51.41
10237	Dibromochloromethane	124-48-1	59	U 59	290	51.41
10237	1,2-Dibromoethane	106-93-4	59	U 59	290	51.41
10237	Dibromomethane	74-95-3	59	U 59	290	51.41
10237	trans-1,4-Dichloro-2-butene	110-57-6	590	U 590	2,900	51.41
10237	Dichlorodifluoromethane	75-71-8	120	U 120	290	51.41
10237	1,1-Dichloroethane	75-34-3	59	U 59	290	51.41
10237	1,2-Dichloroethane	107-06-2	59	U 59	290	51.41
10237	1,1-Dichloroethene	75-35-4	59	U 59	290	51.41
10237	cis-1,2-Dichloroethene	156-59-2	59	U 59	290	51.41
10237	trans-1,2-Dichloroethene	156-60-5	59	U 59	290	51.41
10237	1,2-Dichloropropane	78-87-5	59	U 59	290	51.41
10237	cis-1,3-Dichloropropene	10061-01-5	59	U 59	290	51.41
10237	trans-1,3-Dichloropropene	10061-02-6	59	U 59	290	51.41
10237	Ethyl Methacrylate	97-63-2	59	U 59	290	51.41
10237	Ethylbenzene	100-41-4	59	U 59	290	51.41
10237	2-Hexanone	591-78-6	180	U 180	590	51.41
10237	Isobutyl Alcohol	78-83-1	5,900	U 5,900	15,000	51.41
10237	Methacrylonitrile	126-98-7	290	U 290	2,900	51.41
10237	Methyl Iodide	74-88-4	180	U 180	290	51.41
10237	Methyl Methacrylate	80-62-6	59	U 59	290	51.41
10237	4-Methyl-2-pentanone	108-10-1	180	U 180	590	51.41
10237	Methylene Chloride	75-09-2	120	U 120	290	51.41
10237	Pentachloroethane	76-01-7	59	U 59	290	51.41
10237	Propionitrile	107-12-0	1,800	U 1,800	5,900	51.41
10237	Styrene	100-42-5	59	U 59	290	51.41
10237	1,1,1,2-Tetrachloroethane	630-20-6	59	U 59	290	51.41
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	59	U 59	290	51.41
10237	Tetrachloroethene	127-18-4	59	U 59	290	51.41
10237	Toluene	108-88-3	59	U 59	290	51.41
10237	1,1,1-Trichloroethane	71-55-6	59	U 59	290	51.41
10237	1,1,2-Trichloroethane	79-00-5	59	U 59	290	51.41
10237	Trichloroethene	79-01-6	59	U 59	290	51.41
10237	Trichlorofluoromethane	75-69-4	380	120	290	51.41

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710579
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6BV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	59	U 59	290	51.41
10237	Vinyl Acetate	108-05-4	120	U 120	590	51.41
10237	Vinyl Chloride	75-01-4	59	U 59	290	51.41
10237	Xylene (Total)	1330-20-7	59	U 59	290	51.41
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	12.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 01:04	Kevin A Sposito	51.41
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 11:45	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 11:45	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 11:45	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	430	4	19	1
10726	Acenaphthylene	208-96-8	150	4	19	1
10726	Acetophenone	98-86-2	27	J 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	1,300	4	19	1
10726	Benzo(a)anthracene	56-55-3	4,300	4	19	1
10726	Benzo(a)pyrene	50-32-8	3,500	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	4,500	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	2,300	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,800	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	110	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	83	J 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	3,800	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	650	4	19	1
10726	Dibenzofuran	132-64-9	210	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	110	J 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	330	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	330	76	190	1
10726	Fluoranthene	206-44-0	7,000	38	190	10
10726	Fluorene	86-73-7	490	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,200	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	70	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	170	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	4,400	4	19	1
10726	Phenol	108-95-2	28	J 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	5,500	38	190	10
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethylthiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted and the QC is compliant. However, the sample surrogates were outside of QC limits in the re-extraction. All results are reported from the first trial. Similar results were obtained in both trials.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	5.7 U	5.7
12925	Ethylene glycol	107-21-1	5.7 U	5.7
12925	Propylene glycol	57-55-6	5.7 U	5.7
12925	Triethylene glycol	112-27-6	5.7 U	5.7
Wet Chemistry	SM 2540 G-1997	%	%	%
00118	Moisture	n.a.	12.8	0.50

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6BM

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14349SLC026	12/19/2014 01:02	Catherine E Bachman	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14349SLC026	12/19/2014 22:19	Catherine E Bachman	10
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14349SLC026	12/16/2014 10:00	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:31	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ITRC
ISM 2014

LL Sample # SW 7710581
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS6BS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.3 U	5.3	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	92	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	66.1	0.0375	1.14	1
06947	Beryllium	7440-41-7	1.18	0.0761	1.14	1
06949	Cadmium	7440-43-9	0.367 J	0.0375	1.14	1
06951	Chromium	7440-47-3	9.28	0.125	3.41	1
06952	Cobalt	7440-48-4	3.16	0.109	1.14	1
06953	Copper	7440-50-8	9.64	0.375	2.27	1
06961	Nickel	7440-02-0	20.1	0.170	2.27	1
06966	Silver	7440-22-4	11.6	0.216	1.14	1
06969	Tin	7440-31-5	3.67 J	0.488	22.7	1
06971	Vanadium	7440-62-2	22.2	0.103	1.14	1
06972	Zinc	7440-66-6	97.7	0.295	4.54	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.918	0.0958	0.454	2
06125	Arsenic	7440-38-2	1.86	0.0970	0.908	2
06135	Lead	7439-92-1	18.8	0.0146	0.454	2
06141	Selenium	7782-49-2	0.274 J	0.114	0.908	2
06145	Thallium	7440-28-0	0.241	0.0341	0.227	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.331	0.0107	0.215	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.8	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6B Soil
ITRC
ISM 2014

LL Sample # SW 7710581
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

IS6BS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014 14:20	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:06	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:15	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:15	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:15	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:15	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:15	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:11	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710582
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6CV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	380	U 380	1,100	47.18
10237	Acetonitrile	75-05-8	1,300	U 1,300	5,400	47.18
10237	Acrolein	107-02-8	1,100	U 1,100	5,400	47.18
10237	Acrylonitrile	107-13-1	220	U 220	1,100	47.18
10237	Allyl Chloride	107-05-1	54	U 54	270	47.18
10237	Benzene	71-43-2	27	U 27	270	47.18
10237	Bromodichloromethane	75-27-4	54	U 54	270	47.18
10237	Bromoform	75-25-2	54	U 54	270	47.18
10237	Bromomethane	74-83-9	110	U 110	270	47.18
10237	2-Butanone	78-93-3	220	U 220	540	47.18
10237	Carbon Disulfide	75-15-0	54	U 54	270	47.18
10237	Carbon Tetrachloride	56-23-5	54	U 54	270	47.18
10237	2-Chloro-1,3-butadiene	126-99-8	54	U 54	270	47.18
10237	Chlorobenzene	108-90-7	54	U 54	270	47.18
10237	Chloroethane	75-00-3	110	U 110	270	47.18
10237	Chloroform	67-66-3	54	U 54	270	47.18
10237	Chloromethane	74-87-3	110	U 110	270	47.18
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U 110	270	47.18
10237	Dibromochloromethane	124-48-1	54	U 54	270	47.18
10237	1,2-Dibromoethane	106-93-4	54	U 54	270	47.18
10237	Dibromomethane	74-95-3	54	U 54	270	47.18
10237	trans-1,4-Dichloro-2-butene	110-57-6	540	U 540	2,700	47.18
10237	Dichlorodifluoromethane	75-71-8	110	U 110	270	47.18
10237	1,1-Dichloroethane	75-34-3	54	U 54	270	47.18
10237	1,2-Dichloroethane	107-06-2	54	U 54	270	47.18
10237	1,1-Dichloroethene	75-35-4	54	U 54	270	47.18
10237	cis-1,2-Dichloroethene	156-59-2	54	U 54	270	47.18
10237	trans-1,2-Dichloroethene	156-60-5	54	U 54	270	47.18
10237	1,2-Dichloropropane	78-87-5	54	U 54	270	47.18
10237	cis-1,3-Dichloropropene	10061-01-5	54	U 54	270	47.18
10237	trans-1,3-Dichloropropene	10061-02-6	54	U 54	270	47.18
10237	Ethyl Methacrylate	97-63-2	54	U 54	270	47.18
10237	Ethylbenzene	100-41-4	54	U 54	270	47.18
10237	2-Hexanone	591-78-6	160	U 160	540	47.18
10237	Isobutyl Alcohol	78-83-1	5,400	U 5,400	13,000	47.18
10237	Methacrylonitrile	126-98-7	270	U 270	2,700	47.18
10237	Methyl Iodide	74-88-4	160	U 160	270	47.18
10237	Methyl Methacrylate	80-62-6	54	U 54	270	47.18
10237	4-Methyl-2-pentanone	108-10-1	160	U 160	540	47.18
10237	Methylene Chloride	75-09-2	110	U 110	270	47.18
10237	Pentachloroethane	76-01-7	54	U 54	270	47.18
10237	Propionitrile	107-12-0	1,600	U 1,600	5,400	47.18
10237	Styrene	100-42-5	54	U 54	270	47.18
10237	1,1,1,2-Tetrachloroethane	630-20-6	54	U 54	270	47.18
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	54	U 54	270	47.18
10237	Tetrachloroethene	127-18-4	54	U 54	270	47.18
10237	Toluene	108-88-3	54	U 54	270	47.18
10237	1,1,1-Trichloroethane	71-55-6	54	U 54	270	47.18
10237	1,1,2-Trichloroethane	79-00-5	54	U 54	270	47.18
10237	Trichloroethene	79-01-6	54	U 54	270	47.18
10237	Trichlorofluoromethane	75-69-4	350	110	270	47.18

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710582
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6CV

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/kg	ug/kg	ug/kg
10237	1,2,3-Trichloropropane	96-18-4	54	U 54	270	47.18
10237	Vinyl Acetate	108-05-4	110	U 110	540	47.18
10237	Vinyl Chloride	75-01-4	54	U 54	270	47.18
10237	Xylene (Total)	1330-20-7	63	J 54	270	47.18
Wet Chemistry			SM 2540 G-1997	%	%	%
00111	Moisture	n.a.	12.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 01:27	Kevin A Sposito	47.18
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 12:00	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	530	4	19	1
10726	Acenaphthylene	208-96-8	170	4	19	1
10726	Acetophenone	98-86-2	19	U 19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U 76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U 190	570	1
10726	Aniline	62-53-3	190	U 190	570	1
10726	Anthracene	120-12-7	1,300	4	19	1
10726	Benzo(a)anthracene	56-55-3	3,500	4	19	1
10726	Benzo(a)pyrene	50-32-8	2,600	4	19	1
10726	Benzo(b)fluoranthene	205-99-2	3,700	4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,700	4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,300	4	19	1
10726	Benzyl alcohol	100-51-6	190	U 190	570	1
10726	1,1'-Biphenyl	92-52-4	72	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U 19	38	1
10726	Butylbenzylphthalate	85-68-7	110	J 76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U 76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U 19	38	1
10726	4-Chloroaniline	106-47-8	19	U 19	38	1
10726	Chlorobenzilate	510-15-6	38	U 38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U 19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U 19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U 19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	8	U 8	38	1
10726	2-Chlorophenol	95-57-8	19	U 19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U 19	38	1
10726	Chrysene	218-01-9	2,900	4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U 38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	410	4	19	1
10726	Dibenzofuran	132-64-9	320	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U 19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U 19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U 19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U 110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U 19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U 19	38	1
10726	Diethylphthalate	84-66-2	76	U 76	190	1
10726	Dimethoate	60-51-5	190	U 190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U 76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U 19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U 570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U 19	38	1
10726	Dimethylphthalate	131-11-3	76	U 76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U 190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U 76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U 340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U 76	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,6-Dinitrotoluene	606-20-2	19	U 19	38	1
10726	1,4-Dioxane	123-91-1	110	U 110	380	1
10726	Diphenyl ether	101-84-8	86	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U 76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	200	76	190	1
10726	Fluoranthene	206-44-0	6,900	38	190	10
10726	Fluorene	86-73-7	700	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U 4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U 19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U 190	570	1
10726	Hexachloroethane	67-72-1	38	U 38	190	1
10726	Hexachloropropene	1888-71-7	110	U 110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,600	4	19	1
10726	Isodrin	465-73-6	19	U 19	38	1
10726	Isophorone	78-59-1	19	U 19	38	1
10726	Isosafrole	120-58-1	76	U 76	190	1
10726	Methapyrilene	91-80-5	1,900	U 1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	38	U 38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U 19	38	1
10726	2-Methylnaphthalene	91-57-6	150	4	19	1
10726	2-Methylphenol	95-48-7	19	U 19	38	1
10726	4-Methylphenol	106-44-5	19	U 19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	370	4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U 950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	190	U 190	570	1
10726	2-Naphthylamine	91-59-8	190	U 190	570	1
10726	2-Nitroaniline	88-74-4	19	U 19	38	1
10726	3-Nitroaniline	99-09-2	76	U 76	190	1
10726	4-Nitroaniline	100-01-6	76	U 76	190	1
10726	Nitrobenzene	98-95-3	19	U 19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U 190	570	1
10726	2-Nitrophenol	88-75-5	19	U 19	38	1
10726	4-Nitrophenol	100-02-7	190	U 190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U 380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U 19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U 76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U 76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U 19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U 19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U 76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U 76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U 19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U 19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U 76	190	1
10726	Pentachlorobenzene	608-93-5	19	U 19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U 76	190	1
10726	Pentachlorophenol	87-86-5	38	U 38	190	1
10726	Phenacetin	62-44-2	76	U 76	190	1
10726	Phenanthrene	85-01-8	4,200	4	19	1
10726	Phenol	108-95-2	19	J 19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U 13,000	38,000	1
10726	2-Picoline	109-06-8	110	U 110	380	1
10726	Pronamide	23950-58-5	38	U 38	190	1
10726	Pyrene	129-00-0	5,100	38	190	10
10726	Pyridine	110-86-1	76	U 76	190	1
10726	Safrole	94-59-7	76	U 76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U 19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U 76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U 76	190	1
10726	Thionazin	297-97-2	76	U 76	190	1
10726	o-Toluidine	95-53-4	230	U 230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U 19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U 19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U 19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U 76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U 190	570	1
GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg		
	Rev 3					
12925	Diethylene glycol	111-46-6	5.7	U 5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U 5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U 5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U 5.7	11	1
Wet Chemistry	SM 2540 G-1997	%	%	%		
00118	Moisture	n.a.	12.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

IS6CM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 14:18	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 19:35	Linda M Hartenstine	10
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:46	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ITRC
ISM 2014

LL Sample # SW 7710584
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

IS6CS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs						
	SW-846 8082A Feb 2007 Rev 1		ug/kg	ug/kg	ug/kg	
10885	PCB-1016	12674-11-2	4.1 U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2 U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1 U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8 U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8 U	3.8	19	1
10885	PCB-1254	11097-69-1	110	3.8	19	1
10885	PCB-1260	11096-82-5	5.6 U	5.6	19	1
Metals						
	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	62.9	0.0373	1.13	1
06947	Beryllium	7440-41-7	1.36	0.0758	1.13	1
06949	Cadmium	7440-43-9	0.251 J	0.0373	1.13	1
06951	Chromium	7440-47-3	7.13	0.124	3.39	1
06952	Cobalt	7440-48-4	3.12	0.109	1.13	1
06953	Copper	7440-50-8	8.69	0.373	2.26	1
06961	Nickel	7440-02-0	15.6	0.170	2.26	1
06966	Silver	7440-22-4	12.6	0.215	1.13	1
06969	Tin	7440-31-5	3.50 J	0.487	22.6	1
06971	Vanadium	7440-62-2	19.2	0.103	1.13	1
06972	Zinc	7440-66-6	85.4	0.294	4.53	1
	SW-846 6020A		mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.484	0.0955	0.453	2
06125	Arsenic	7440-38-2	1.83	0.0966	0.905	2
06135	Lead	7439-92-1	19.7	0.0145	0.453	2
06141	Selenium	7782-49-2	0.317 J	0.113	0.905	2
06145	Thallium	7440-28-0	0.278	0.0339	0.226	2
	SW-846 7471B		mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0505 J	0.0113	0.227	1
Wet Chemistry						
	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	12.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-ISM-DU-6C Soil
ITRC
ISM 2014

LL Sample # SW 7710584
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 12/12/2014 22:00

URS Corporation

Reported: 12/24/2014 15:47

Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

IS6CS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014 14:32	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014 15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014 00:10	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014 08:18	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014 08:18	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014 08:18	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014 08:18	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014 08:18	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014 09:13	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014 21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014 01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-11-120914 Other Liquid
ISM 2014

LL Sample # G5 7710585
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

TBD9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Detection	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-11-120914 Other Liquid
ISM 2014

LL Sample # G5 7710585
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

TBD9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143561AA	12/22/2014 12:35	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434936431	12/09/2014 16:15	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-11-121114 Other Liquid
ISM 2014

LL Sample # G5 7710586
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

TBD11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

*=This limit was used in the evaluation of the final result

Sample Description: TB-11-121114 Other Liquid
ISM 2014

LL Sample # G5 7710586
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/12/2014 22:00

Reported: 12/24/2014 15:47

TBD11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	Q143561AA	12/22/2014 12:59	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434936431	12/11/2014 12:00	Client Supplied	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Q143531AA	Sample number(s): 7710567,7710570,7710573,7710576,7710579,7710582								
Acetone	350	350.	1,000	ug/kg	89	81	53-141	9	30
	U								
Acetonitrile	1,300	1,300.	5,000	ug/kg	99	86	61-147	14	30
	U								
Acrolein	1,000	1,000.	5,000	ug/kg	83	73	58-122	12	30
	U								
Acrylonitrile	200	200.	1,000	ug/kg	87	82	58-123	7	30
	U								
Allyl Chloride	50	U 50.	250	ug/kg	105	99	61-132	6	30
Benzene	25	U 25.	250	ug/kg	100	92	80-120	8	30
Bromodichloromethane	50	U 50.	250	ug/kg	94	88	75-120	6	30
Bromoform	50	U 50.	250	ug/kg	89	82	70-126	7	30
Bromomethane	100	100.	250	ug/kg	129	116	32-162	10	30
	U								
2-Butanone	200	200.	500	ug/kg	90	81	62-123	10	30
	U								
Carbon Disulfide	50	U 50.	250	ug/kg	75	70	63-128	6	30
Carbon Tetrachloride	50	U 50.	250	ug/kg	101	93	69-130	8	30
2-Chloro-1,3-butadiene	50	U 50.	250	ug/kg	95	91	73-120	4	30
Chlorobenzene	50	U 50.	250	ug/kg	100	93	80-120	8	30
Chloroethane	100	100.	250	ug/kg	103	89	17-171	15	30
	U								
Chloroform	50	U 50.	250	ug/kg	103	97	80-125	6	30
Chloromethane	100	100.	250	ug/kg	88	82	56-120	7	30
	U								
1,2-Dibromo-3-chloropropane	100	100.	250	ug/kg	91	87	59-122	5	30
	U								
Dibromochloromethane	50	U 50.	250	ug/kg	96	86	77-120	10	30
1,2-Dibromoethane	50	U 50.	250	ug/kg	100	92	80-120	9	30
Dibromomethane	50	U 50.	250	ug/kg	96	91	80-120	6	30
trans-1,4-Dichloro-2-butene	500	500.	2,500	ug/kg	118	109	70-128	7	30
	U								
Dichlorodifluoromethane	100	100.	250	ug/kg	77	71	26-137	7	30
	U								
1,1-Dichloroethane	50	U 50.	250	ug/kg	104	94	80-122	10	30
1,2-Dichloroethane	50	U 50.	250	ug/kg	114	105	77-130	8	30
1,1-Dichloroethene	50	U 50.	250	ug/kg	96	89	73-129	7	30
cis-1,2-Dichloroethene	50	U 50.	250	ug/kg	99	93	80-120	6	30
trans-1,2-Dichloroethene	50	U 50.	250	ug/kg	101	94	80-129	7	30
1,2-Dichloropropane	50	U 50.	250	ug/kg	98	91	80-120	7	30
cis-1,3-Dichloropropene	50	U 50.	250	ug/kg	96	90	74-120	7	30
trans-1,3-Dichloropropene	50	U 50.	250	ug/kg	101	94	76-120	8	30
Ethyl Methacrylate	50	U 50.	250	ug/kg	93	85	65-120	9	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Ethylbenzene	50 U	50.	250	ug/kg	99	91	80-120	8	30
2-Hexanone	150 U	150.	500	ug/kg	98	90	51-120	8	30
Isobutyl Alcohol	5,000 U	5,000.	13,000	ug/kg	105	99	64-121	6	30
Methacrylonitrile	250 U	250.	2,500	ug/kg	93	90	73-127	4	30
Methyl Iodide	150 U	150.	250	ug/kg	96	87	72-130	10	30
Methyl Methacrylate	50 U	50.	250	ug/kg	90	84	60-120	6	30
4-Methyl-2-pentanone	150 U	150.	500	ug/kg	90	85	57-123	6	30
Methylene Chloride	100 U	100.	250	ug/kg	103	94	80-124	9	30
Pentachloroethane	50 U	50.	250	ug/kg	93	90	71-120	3	30
Propionitrile	1,500 U	1,500.	5,000	ug/kg	96	85	63-131	12	30
Styrene	50 U	50.	250	ug/kg	97	89	76-120	9	30
1,1,1,2-Tetrachloroethane	50 U	50.	250	ug/kg	99	90	80-120	9	30
1,1,2,2-Tetrachloroethane	50 U	50.	250	ug/kg	95	90	71-123	5	30
Tetrachloroethene	50 U	50.	250	ug/kg	101	89	78-120	12	30
Toluene	50 U	50.	250	ug/kg	100	91	80-120	10	30
1,1,1-Trichloroethane	50 U	50.	250	ug/kg	106	99	63-135	7	30
1,1,2-Trichloroethane	50 U	50.	250	ug/kg	97	90	80-120	7	30
Trichloroethene	50 U	50.	250	ug/kg	102	94	80-125	9	30
Trichlorofluoromethane	100 U	100.	250	ug/kg	96	90	58-133	6	30
1,2,3-Trichloropropane	50 U	50.	250	ug/kg	109	99	71-123	10	30
Vinyl Acetate	100 U	100.	500	ug/kg	72	69	40-127	5	30
Vinyl Chloride	50 U	50.	250	ug/kg	85	81	59-120	5	30
Xylene (Total)	50 U	50.	250	ug/kg	97	90	80-120	8	30
Batch number: Q143561AA	Sample number(s): 7710585-7710586								
Acetone	350 U	350.	1,000	ug/kg	86	80	53-141	8	30
Acetonitrile	1,300 U	1,300.	5,000	ug/kg	92	88	61-147	4	30
Acrolein	1,000 U	1,000.	5,000	ug/kg	75	70	58-122	8	30
Acrylonitrile	200 U	200.	1,000	ug/kg	86	81	58-123	5	30
Allyl Chloride	50 U	50.	250	ug/kg	100	96	61-132	4	30
Benzene	25 U	25.	250	ug/kg	97	91	80-120	7	30
Bromodichloromethane	50 U	50.	250	ug/kg	92	88	75-120	5	30
Bromoform	50 U	50.	250	ug/kg	87	81	70-126	7	30
Bromomethane	100 U	100.	250	ug/kg	110	106	32-162	4	30
2-Butanone	200 U	200.	500	ug/kg	88	84	62-123	5	30
Carbon Disulfide	50 U	50.	250	ug/kg	69	68	63-128	1	30
Carbon Tetrachloride	50 U	50.	250	ug/kg	97	93	69-130	5	30
2-Chloro-1,3-butadiene	50 U	50.	250	ug/kg	91	89	73-120	3	30
Chlorobenzene	50 U	50.	250	ug/kg	97	92	80-120	5	30
Chloroethane	100 U	100.	250	ug/kg	93	85	17-171	9	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Chloroform	50	U	50.	250	ug/kg	102	97	80-125	5	30
Chloromethane	100	U	100.	250	ug/kg	76	77	56-120	2	30
1,2-Dibromo-3-chloropropane	100	U	100.	250	ug/kg	89	80	59-122	10	30
Dibromochloromethane	50	U	50.	250	ug/kg	92	87	77-120	5	30
1,2-Dibromoethane	50	U	50.	250	ug/kg	99	91	80-120	9	30
Dibromomethane	50	U	50.	250	ug/kg	95	92	80-120	3	30
trans-1,4-Dichloro-2-butene	500	U	500.	2,500	ug/kg	118	112	70-128	5	30
Dichlorodifluoromethane	100	U	100.	250	ug/kg	51	50	26-137	2	30
1,1-Dichloroethane	50	U	50.	250	ug/kg	97	92	80-122	5	30
1,2-Dichloroethane	50	U	50.	250	ug/kg	111	103	77-130	7	30
1,1-Dichloroethene	50	U	50.	250	ug/kg	88	87	73-129	1	30
cis-1,2-Dichloroethene	50	U	50.	250	ug/kg	96	91	80-120	5	30
trans-1,2-Dichloroethene	50	U	50.	250	ug/kg	97	94	80-129	3	30
1,2-Dichloropropane	50	U	50.	250	ug/kg	97	92	80-120	5	30
cis-1,3-Dichloropropene	50	U	50.	250	ug/kg	95	90	74-120	6	30
trans-1,3-Dichloropropene	50	U	50.	250	ug/kg	101	93	76-120	8	30
Ethyl Methacrylate	50	U	50.	250	ug/kg	92	85	65-120	8	30
Ethylbenzene	50	U	50.	250	ug/kg	98	91	80-120	7	30
2-Hexanone	150	U	150.	500	ug/kg	95	90	51-120	5	30
Isobutyl Alcohol	5,000	U	5,000.	13,000	ug/kg	108	97	64-121	11	30
Methacrylonitrile	250	U	250.	2,500	ug/kg	95	90	73-127	6	30
Methyl Iodide	150	U	150.	250	ug/kg	87	84	72-130	3	30
Methyl Methacrylate	50	U	50.	250	ug/kg	94	83	60-120	13	30
4-Methyl-2-pentanone	150	U	150.	500	ug/kg	90	85	57-123	5	30
Methylene Chloride	100	U	100.	250	ug/kg	98	92	80-124	5	30
Pentachloroethane	50	U	50.	250	ug/kg	93	89	71-120	4	30
Propionitrile	1,500	U	1,500.	5,000	ug/kg	91	83	63-131	9	30
Styrene	50	U	50.	250	ug/kg	94	88	76-120	7	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	96	89	80-120	8	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	95	89	71-123	6	30
Tetrachloroethene	50	U	50.	250	ug/kg	96	93	78-120	4	30
Toluene	50	U	50.	250	ug/kg	97	91	80-120	7	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	104	98	63-135	6	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	98	89	80-120	9	30
Trichloroethene	50	U	50.	250	ug/kg	99	93	80-125	6	30
Trichlorofluoromethane	100	U	100.	250	ug/kg	86	81	58-133	6	30
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	99	71-123	9	30
Vinyl Acetate	100	U	100.	500	ug/kg	72	65	40-127	10	30
Vinyl Chloride	50	U	50.	250	ug/kg	74	76	59-120	3	30
Xylene (Total)	50	U	50.	250	ug/kg	95	89	80-120	6	30
Batch number: 14349SLC026	Sample number(s): 7710580									
Acenaphthene	3	U	3.	17	ug/kg	97		83-111		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Acenaphthylene	3 U	3.	17	ug/kg	106		83-127		
Acetophenone	17 U	17.	33	ug/kg	92		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	89		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	39		14-89		
Aniline	170 U	170.	500	ug/kg	57		43-110		
Anthracene	3 U	3.	17	ug/kg	98		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	97		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	100		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	107		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	99		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	101		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	103		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	91		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	96		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	99		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	102		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	109		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	52		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	115		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	93		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	96		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	117		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	104		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	98		83-115		
Chrysene	3 U	3.	17	ug/kg	95		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	101		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	104		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	96		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	68		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	104		81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg	108		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	99		81-118		
Dimethoate	170 U	170.	500	ug/kg	56		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	98		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	50		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	104		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	99		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	99		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	96		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	104		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	96		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	103		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	108		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	67		33-86		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
	U								
Diphenyl ether	17	U	17.	33	ug/kg	94	84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	96	77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	101	81-121		
Fluoranthene	3	U	3.	17	ug/kg	96	75-118		
Fluorene	3	U	3.	17	ug/kg	98	86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	90	80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	95	78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	110	60-157		
	U								
Hexachloroethane	33	U	33.	170	ug/kg	95	78-114		
Hexachloropropene	100		100.	330	ug/kg	99	85-120		
	U								
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100	76-122		
Isodrin	17	U	17.	33	ug/kg	102	85-128		
Isophorone	17	U	17.	33	ug/kg	101	83-119		
Isosafrole	67	U	67.	170	ug/kg	105	86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	41*	70-130		
	U								
Methyl methanesulfonate	33	U	33.	170	ug/kg	92	73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	104	85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	96	83-109		
2-Methylphenol	17	U	17.	33	ug/kg	106	82-125		
4-Methylphenol	17	U	17.	33	ug/kg	97	75-119		
Naphthalene	3	U	3.	17	ug/kg	95	83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	72	72-111		
	U								
1-Naphthylamine	170		170.	500	ug/kg	55	36-106		
	U								
2-Naphthylamine	170		170.	500	ug/kg	48	16-84		
	U								
5-Nitro-o-toluidine	170		170.	500	ug/kg	57	39-99		
	U								
2-Nitroaniline	17	U	17.	33	ug/kg	114	84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	90	66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	65	48-112		
Nitrobenzene	17	U	17.	33	ug/kg	93	80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	105	83-120		
4-Nitrophenol	170		170.	500	ug/kg	93	64-121		
	U								
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	88	65-139		
	U								
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	97	70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	103	64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	95	77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	87	72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	96	83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	88	71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	100	75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	100	82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	103	71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	123	82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	94	79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	98	83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	89	46-133		
Phenacetin	67	U	67.	170	ug/kg	98	76-119		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Phenanthrene	3 U	3.	17	ug/kg	89		80-114		
Phenol	17 U	17.	33	ug/kg	97		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	86		64-108		
Pronamide	33 U	33.	170	ug/kg	29*		72-119		
Pyrene	3 U	3.	17	ug/kg	94		81-114		
Pyridine	67 U	67.	170	ug/kg	112*		51-109		
Safrole	67 U	67.	170	ug/kg	100		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	88		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	106		77-129		
Tetraethylthiopyrophosphate	67 U	67.	170	ug/kg	95		77-123		
Thionazin	67 U	67.	170	ug/kg	105		76-123		
o-Toluidine	200 U	200.	670	ug/kg	39		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	95		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	108		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	97		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	85		67-111		
Batch number: 14354SLF026 Sample number(s): 7710568,7710571,7710574,7710577,7710583									
Acenaphthene	3 U	3.	17	ug/kg	101		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	107		83-127		
Acetophenone	17 U	17.	33	ug/kg	92		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	105		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	54		14-89		
Aniline	170 U	170.	500	ug/kg	72		43-110		
Anthracene	3 U	3.	17	ug/kg	101		82-118		
Benzo(a) anthracene	3 U	3.	17	ug/kg	95		76-119		
Benzo(a) pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b) fluoranthene	3 U	3.	17	ug/kg	109		78-129		
Benzo(g,h,i) perylene	3 U	3.	17	ug/kg	99		77-121		
Benzo(k) fluoranthene	3 U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	97		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	95		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	100		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	104		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	105		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	102		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	50		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	118		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	94		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	102		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	121		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	107		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	93		83-115		
Chrysene	3 U	3.	17	ug/kg	96		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	107		76-135		
Dibenz(a,h) anthracene	3 U	3.	17	ug/kg	104		81-123		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Dibenzofuran	17 U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	98		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	99		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	83		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	105		81-123		
2,6-Dichlorophenol	17 U	17.	33	ug/kg	107		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	96		81-118		
Dimethoate	170 U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	102		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	115*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	107		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	99		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	98		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	98		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	100		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	93		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	97		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	105		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	59		33-86		
Diphenyl ether	17 U	17.	33	ug/kg	101		84-108		
Ethyl methanesulfonate	67 U	67.	170	ug/kg	98		77-121		
bis(2-Ethylhexyl)phthalate	67 U	67.	170	ug/kg	106		81-121		
Fluoranthene	3 U	3.	17	ug/kg	95		75-118		
Fluorene	3 U	3.	17	ug/kg	96		86-118		
Hexachlorobenzene	3 U	3.	17	ug/kg	95		80-121		
Hexachlorobutadiene	17 U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	122		60-157		
Hexachloroethane	33 U	33.	170	ug/kg	100		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3 U	3.	17	ug/kg	100		76-122		
Isodrin	17 U	17.	33	ug/kg	103		85-128		
Isophorone	17 U	17.	33	ug/kg	102		83-119		
Isosafrole	67 U	67.	170	ug/kg	112		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	98		70-130		
Methyl methanesulfonate	33 U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17 U	17.	33	ug/kg	114		85-126		
2-Methylnaphthalene	3 U	3.	17	ug/kg	98		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	104		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	94		75-119		
Naphthalene	3 U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	88		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	60		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	43		16-84		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	55		39-99		
2-Nitroaniline	17	U 17.	33	ug/kg	113		84-126		
3-Nitroaniline	67	U 67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U 67.	170	ug/kg	78		48-112		
Nitrobenzene	17	U 17.	33	ug/kg	96		80-115		
2-Nitrophenol	17	U 17.	33	ug/kg	111		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	94		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	101		65-139		
N-Nitroso-di-n-propylamine	17	U 17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67	U 67.	170	ug/kg	79		64-128		
N-Nitrosodiethylamine	17	U 17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67	U 67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17	U 17.	33	ug/kg	102		83-118		
N-Nitrosomethylethylamine	67	U 67.	170	ug/kg	90		71-115		
N-Nitrosomorpholine	67	U 67.	170	ug/kg	95		75-128		
N-Nitrosopiperidine	17	U 17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17	U 17.	33	ug/kg	98		71-132		
Di-n-octylphthalate	67	U 67.	170	ug/kg	131		82-134		
Pentachlorobenzene	17	U 17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67	U 67.	170	ug/kg	99		83-116		
Pentachlorophenol	33	U 33.	170	ug/kg	77		46-133		
Phenacetin	67	U 67.	170	ug/kg	101		76-119		
Phenanthrene	3	U 3.	17	ug/kg	89		80-114		
Phenol	17	U 17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	83		64-108		
Pronamide	33	U 33.	170	ug/kg	104		72-119		
Pyrene	3	U 3.	17	ug/kg	95		81-114		
Pyridine	67	U 67.	170	ug/kg	77		51-109		
Safrole	67	U 67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17	U 17.	33	ug/kg	94		80-109		
2,3,4,6-Tetrachlorophenol	67	U 67.	170	ug/kg	99		77-129		
Tetraethyldithiopyrophosphate	67	U 67.	170	ug/kg	103		77-123		
Thionazin	67	U 67.	170	ug/kg	101		76-123		
o-Toluidine	200 U	200.	670	ug/kg	54		12-110		
1,2,4-Trichlorobenzene	17	U 17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17	U 17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17	U 17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67	U 67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	83		67-111		

Batch number: 143510017A

Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584

PCB-1016	3.6	U 3.6	17	ug/kg	99		76-121		
PCB-1221	4.6	U 4.6	17	ug/kg					
PCB-1232	8.0	U 8.0	17	ug/kg					
PCB-1242	3.3	U 3.3	17	ug/kg					
PCB-1248	3.3	U 3.3	17	ug/kg					
PCB-1254	3.3	U 3.3	17	ug/kg					
PCB-1260	4.9	U 4.9	17	ug/kg	114		79-132		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143510049A	Sample number(s): 7710568,7710571,7710574,7710577,7710580,7710583								
Diethylene glycol	5.0 U	5.0	10	mg/kg	97		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	98		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	95		34-145		
Batch number: 143500637002	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584								
Barium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	100		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	104		80-120		
Tin	1.45 J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.260 U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143500637002A	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584								
Antimony	0.0844 U	0.0844	0.400	mg/kg	96		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	119		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	104		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	98		80-120		
Batch number: 143500637002B	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584								
Selenium	0.100 U	0.100	0.800	mg/kg	106		80-120		
Batch number: 143500638001	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584								
Mercury	0.0100 U	0.0100	0.200	mg/kg	99		80-120		
Batch number: 14352820005B	Sample number(s): 7710567-7710584								
Moisture					100		99-101		
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Q143531AA	Sample number(s): 7710567,7710570,7710573,7710576,7710579,7710582 BKG: 7710582								
Acetone						330	U 330	U 0 (1)	30
Acetonitrile						1,200	U 1,200	U 0 (1)	30
Acrolein						940	U 940	U 0 (1)	30
Acrylonitrile						190	U 190	U 0 (1)	30
Allyl Chloride						47	U 47	U 0 (1)	30
Benzene						24	U 24	U 0 (1)	30
Bromodichloromethane						47	U 47	U 0 (1)	30
Bromoform						47	U 47	U 0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Bromomethane	94					U 94	U 94	U 0 (1)		30
2-Butanone	190					U 190	U 190	U 0 (1)		30
Carbon Disulfide	47					U 47	U 47	U 0 (1)		30
Carbon Tetrachloride	47					U 47	U 47	U 0 (1)		30
2-Chloro-1,3-butadiene	47					U 47	U 47	U 0 (1)		30
Chlorobenzene	47					U 47	U 47	U 0 (1)		30
Chloroethane	94					U 94	U 94	U 0 (1)		30
Chloroform	47					U 47	U 47	U 0 (1)		30
Chloromethane	94					U 94	U 94	U 0 (1)		30
1,2-Dibromo-3-chloropropane	94					U 94	U 94	U 0 (1)		30
Dibromochloromethane	47					U 47	U 47	U 0 (1)		30
1,2-Dibromoethane	47					U 47	U 47	U 0 (1)		30
Dibromomethane	47					U 47	U 47	U 0 (1)		30
trans-1,4-Dichloro-2-butene	470					U 470	U 470	U 0 (1)		30
Dichlorodifluoromethane	94					U 94	U 94	U 0 (1)		30
1,1-Dichloroethane	47					U 47	U 47	U 0 (1)		30
1,2-Dichloroethane	47					U 47	U 47	U 0 (1)		30
1,1-Dichloroethene	47					U 47	U 47	U 0 (1)		30
cis-1,2-Dichloroethene	47					U 47	U 47	U 0 (1)		30
trans-1,2-Dichloroethene	47					U 47	U 47	U 0 (1)		30
1,2-Dichloropropane	47					U 47	U 47	U 0 (1)		30
cis-1,3-Dichloropropene	47					U 47	U 47	U 0 (1)		30
trans-1,3-Dichloropropene	47					U 47	U 47	U 0 (1)		30
Ethyl Methacrylate	47					U 47	U 47	U 0 (1)		30
Ethylbenzene	47					U 47	U 47	U 0 (1)		30
2-Hexanone	140					U 140	U 140	U 0 (1)		30
Isobutyl Alcohol	4,700					U 4,700	U 4,700	U 0 (1)		30
Methacrylonitrile	240					U 240	U 240	U 0 (1)		30
Methyl Iodide	140					U 140	U 140	U 0 (1)		30
Methyl Methacrylate	47					U 47	U 47	U 0 (1)		30
4-Methyl-2-pentanone	140					U 140	U 140	U 0 (1)		30
Methylene Chloride	94					U 94	U 94	U 0 (1)		30
Pentachloroethane	47					U 47	U 47	U 0 (1)		30
Propionitrile	1,400					U 1,400	U 1,400	U 0 (1)		30
Styrene	47					U 47	U 47	U 0 (1)		30
1,1,1,2-Tetrachloroethane	47					U 47	U 47	U 0 (1)		30
1,1,2,2-Tetrachloroethane	47					U 47	U 47	U 0 (1)		30
Tetrachloroethene	47					U 47	U 47	U 0 (1)		30
Toluene	47					U 47	U 47	U 0 (1)		30
1,1,1-Trichloroethane	47					U 47	U 47	U 0 (1)		30
1,1,2-Trichloroethane	47					U 47	U 47	U 0 (1)		30
Trichloroethene	47					U 47	U 47	U 0 (1)		30
Trichlorofluoromethane	300					U 300	U 300	U 4 (1)		30
1,2,3-Trichloropropane	47					U 47	U 47	U 0 (1)		30
Vinyl Acetate	94					U 94	U 94	U 0 (1)		30
Vinyl Chloride	47					U 47	U 47	U 0 (1)		30
Xylene (Total)	55					J 110	J 110	J 69* (1)		30

Batch number: Q143561AA
Acetone

Sample number(s): 7710585-7710586 UNSPK: P715449
81 82 31-195 7 30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Acrolein	73	70	10-165	2	30				
Acrylonitrile	78	80	48-139	8	30				
Allyl Chloride	86	80	55-154	2	30				
Benzene	90	89	55-143	4	30				
Bromodichloromethane	84	86	53-136	8	30				
Bromoform	90	90	50-144	5	30				
Bromomethane	113	107	42-168	0	30				
2-Butanone	77	82	37-163	11	30				
Carbon Disulfide	56	49	48-146	8	30				
Carbon Tetrachloride	85	86	51-165	7	30				
2-Chloro-1,3-butadiene	83	81	51-152	3	30				
Chlorobenzene	91	94	49-135	8	30				
Chloroethane	92	83	39-152	5	30				
Chloroform	96	97	61-142	6	30				
Chloromethane	69	63	36-143	5	30				
1,2-Dibromo-3-chloropropane	80	85	34-165	12	30				
Dibromochloromethane	91	88	51-128	2	30				
1,2-Dibromoethane	92	90	54-129	3	30				
Dibromomethane	90	92	57-130	8	30				
trans-1,4-Dichloro-2-butene	107	108	31-144	6	30				
Dichlorodifluoromethane	36	32	26-151	5	30				
1,1-Dichloroethane	90	88	63-142	4	30				
1,2-Dichloroethane	103	105	54-143	7	30				
1,1-Dichloroethene	86	76	61-149	8	30				
cis-1,2-Dichloroethene	410 (2)	234 (2)	67-135	16	30				
trans-1,2-Dichloroethene	97	90	64-144	3	30				
1,2-Dichloropropane	90	89	54-144	4	30				
cis-1,3-Dichloropropene	84	88	45-137	10	30				
trans-1,3-Dichloropropene	87	86	51-134	4	30				
Ethyl Methacrylate	80	76	35-134	0	30				
Ethylbenzene	91	91	44-141	5	30				
2-Hexanone	86	88	32-160	8	30				
Isobutyl Alcohol	90	90	44-158	5	30				
Methacrylonitrile	88	88	54-142	6	30				
Methyl Iodide	77	74	52-139	1	30				
Methyl Methacrylate	76	81	42-134	12	30				
4-Methyl-2-pentanone	80	82	46-139	7	30				
Methylene Chloride	91	88	60-149	1	30				
Pentachloroethane	89	84	35-145	1	30				
Propionitrile	83	83	40-151	6	30				
Styrene	84	87	35-134	8	30				
1,1,1,2-Tetrachloroethane	89	89	55-139	6	30				
1,1,2,2-Tetrachloroethane	89	92	29-182	9	30				
Tetrachloroethene	-4725 (2)	-5066 (2)	42-149	11	30				
Toluene	100	98	50-146	3	30				
1,1,1-Trichloroethane	91	89	52-146	2	30				
1,1,2-Trichloroethane	92	92	58-152	5	30				
Trichloroethene	178 (2)	-372 (2)	53-144	60*	30				
Trichlorofluoromethane	78	70	47-163	6	30				
1,2,3-Trichloropropane	99	107	36-180	13	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Vinyl Chloride	79	64	50-154	17	30				
Xylene (Total)	88	90	44-136	8	30				
Batch number: 14349SLC026 Sample number(s): 7710580 UNSPK: P49LCUS									
Acenaphthene	93	91	55-132	2	30				
Acenaphthylene	100	98	53-143	1	30				
Acetophenone	92	87	67-111	5	30				
2-Acetylaminofluorene	91	90	48-138	1	30				
4-Aminobiphenyl	24	30	10-80	24	30				
Aniline	67	63	23-96	6	30				
Anthracene	97	95	42-147	1	30				
Benzo(a)anthracene	94	93	32-150	1	30				
Benzo(a)pyrene	97	95	36-151	1	30				
Benzo(b)fluoranthene	104	104	29-150	0	30				
Benzo(g,h,i)perylene	96	93	41-147	2	30				
Benzo(k)fluoranthene	95	91	35-146	3	30				
Benzyl alcohol	104	97	69-131	5	30				
1,1'-Biphenyl	87	86	57-123	1	30				
4-Bromophenyl-phenylether	92	91	58-142	1	30				
Butylbenzylphthalate	96	95	50-137	0	30				
Di-n-butylphthalate	100	97	57-130	2	30				
4-Chloro-3-methylphenol	104	103	39-150	1	30				
4-Chloroaniline	44	46	10-100	5	30				
Chlorobenzilate	105	105	79-128	1	30				
bis(2-Chloroethoxy)methane	88	86	54-128	1	30				
bis(2-Chloroethyl)ether	93	87	69-114	5	30				
bis(2-Chloroisopropyl)ether	96	90	62-120	6	30				
2-Chloronaphthalene	82	80	40-156	1	30				
2-Chlorophenol	103	98	35-152	5	30				
4-Chlorophenyl-phenylether	93	93	56-130	1	30				
Chrysene	91	88	28-146	2	30				
Diallate TRANS/CIS	99	96	45-145	2	30				
Dibenz(a,h)anthracene	100	97	54-142	2	30				
Dibenzofuran	92	91	46-137	1	30				
1,2-Dichlorobenzene	94	90	45-133	3	30				
1,3-Dichlorobenzene	92	90	45-129	1	30				
1,4-Dichlorobenzene	92	90	44-132	2	30				
3,3'-Dichlorobenzidine	57	60	10-143	5	30				
2,4-Dichlorophenol	101	100	39-153	0	30				
2,6-Dichlorophenol	103	102	56-133	0	30				
Diethylphthalate	94	93	54-127	0	30				
Dimethoate	73	78	39-178	7	30				
p-Dimethylaminoazobenzene	92	93	77-123	2	30				
3,3'-Dimethylbenzidine	0*	31	10-103	200*	30				
7,12-Dimethylbenz[a]anthracene	101	97	44-139	2	30				
2,4-Dimethylphenol	95	92	38-140	2	30				
Dimethylphthalate	94	93	45-135	1	30				
4,6-Dinitro-2-methylphenol	96	93	10-148	2	30				
1,3-Dinitrobenzene	98	98	73-116	1	30				
2,4-Dinitrophenol	98	97	20-143	1	30				
2,4-Dinitrotoluene	98	98	39-144	1	30				
2,6-Dinitrotoluene	103	102	54-134	0	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,4-Dioxane	61	65	10-98	8	30				
Diphenyl ether	90	89	54-125	1	30				
Ethyl methanesulfonate	86	80	44-120	6	30				
bis(2-Ethylhexyl)phthalate	97	95	52-138	1	30				
Fluoranthene	94	94	41-135	1	30				
Fluorene	95	92	55-128	1	30				
Hexachlorobenzene	88	87	46-132	1	30				
Hexachlorobutadiene	93	89	65-125	3	30				
Hexachlorocyclopentadiene	105	105	10-153	1	30				
Hexachloroethane	92	90	24-138	1	30				
Hexachloropropene	96	95	39-124	0	30				
Indeno(1,2,3-cd)pyrene	96	93	44-147	2	30				
Isodrin	97	95	10-143	2	30				
Isophorone	99	96	68-119	2	30				
Isosafrole	101	99	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	55	51	10-134	7	30				
3-Methylcholanthrene	104	103	65-123	0	30				
2-Methylnaphthalene	93	92	39-140	1	30				
2-Methylphenol	106	97	36-149	7	30				
4-Methylphenol	97	92	29-143	5	30				
Naphthalene	93	91	44-142	1	30				
1,4-Naphthoquinone	91	89	70-130	1	30				
1-Naphthylamine	37	41	10-92	11	30				
2-Naphthylamine	43	42	10-71	1	30				
5-Nitro-o-toluidine	75	72	33-107	3	30				
2-Nitroaniline	109	107	64-131	1	30				
3-Nitroaniline	94	94	31-145	1	30				
4-Nitroaniline	75	73	30-131	1	30				
Nitrobenzene	89	89	41-141	1	30				
2-Nitrophenol	101	100	45-146	1	30				
4-Nitrophenol	109	107	25-142	1	30				
4-Nitroquinoline-1-oxide	94	95	10-160	2	30				
N-Nitroso-di-n-propylamine	96	90	58-126	6	30				
N-Nitrosodi-n-butylamine	78	77	38-136	1	30				
N-Nitrosodiethylamine	96	90	56-112	6	30				
N-Nitrosodimethylamine	84	82	61-110	1	30				
N-Nitrosodiphenylamine	93	91	59-135	2	30				
N-Nitrosomethylethylamine	85	83	54-118	1	30				
N-Nitrosomorpholine	99	92	72-121	6	30				
N-Nitrosopiperidine	99	95	48-131	3	30				
N-Nitrosopyrrolidine	103	97	59-131	5	30				
Di-n-octylphthalate	117	114	54-151	1	30				
Pentachlorobenzene	90	89	69-119	0	30				
Pentachloronitrobenzene	99	96	78-116	2	30				
Pentachlorophenol	91	86	23-145	4	30				
Phenacetin	98	96	69-121	1	30				
Phenanthrene	86	85	42-141	0	30				
Phenol	97	92	61-130	4	30				
2-Picoline	89	71	55-104	22	30				
Pronamide	30*	34*	69-130	13	30				
Pyrene	90	90	37-140	0	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Pyridine	101	92	16-108	9	30				
Safrole	96	95	76-114	0	30				
1,2,4,5-Tetrachlorobenzene	85	85	71-120	1	30				
2,3,4,6-Tetrachlorophenol	102	102	62-132	1	30				
Tetraethyldithiopyrophosphate	95	92	76-126	2	30				
Thionazin	102	103	65-123	3	30				
o-Toluidine	53	51	21-84	4	30				
1,2,4-Trichlorobenzene	92	92	50-139	1	30				
2,4,5-Trichlorophenol	98	99	64-131	1	30				
2,4,6-Trichlorophenol	104	101	60-136	2	30				
O,O,O-Triethylphosphorothioate	95	94	70-119	1	30				
1,3,5-Trinitrobenzene	85	81	10-113	3	30				

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 14354SLF026									
Sample number(s): 7710568,7710571,7710574,7710577,7710583 UNSPK: P709595									
Acenaphthene	93	92	55-132	1	30				
Acenaphthylene	102	101	53-143	2	30				
Acetophenone	84	83	67-111	1	30				
2-Acetylaminofluorene	108	104	48-138	3	30				
4-Aminobiphenyl	32	32	10-80	0	30				
Aniline	49	48	23-96	3	30				
Anthracene	95	94	42-147	1	30				
Benzo(a)anthracene	94	93	32-150	2	30				
Benzo(a)pyrene	95	95	36-151	0	30				
Benzo(b)fluoranthene	101	101	29-150	0	30				
Benzo(g,h,i)perylene	94	94	41-147	0	30				
Benzo(k)fluoranthene	88	91	35-146	3	30				
Benzyl alcohol	92	91	69-131	0	30				
1,1'-Biphenyl	91	89	57-123	1	30				
4-Bromophenyl-phenylether	94	94	58-142	0	30				
Butylbenzylphthalate	100	99	50-137	1	30				
Di-n-butylphthalate	101	100	57-130	1	30				
4-Chloro-3-methylphenol	93	95	39-150	1	30				
4-Chloroaniline	52	50	10-100	3	30				
Chlorobenzilate	111	113	79-128	2	30				
bis(2-Chloroethoxy)methane	89	91	54-128	2	30				
bis(2-Chloroethyl)ether	87	88	69-114	1	30				
bis(2-Chloroisopropyl)ether	90	90	62-120	0	30				
2-Chloronaphthalene	86	87	40-156	0	30				
2-Chlorophenol	98	99	35-152	0	30				
4-Chlorophenyl-phenylether	92	90	56-130	2	30				
Chrysene	92	90	28-146	2	30				
Diallate TRANS/CIS	100	102	45-145	1	30				
Dibenz(a,h)anthracene	100	98	54-142	2	30				
Dibenzofuran	90	89	46-137	1	30				
1,2-Dichlorobenzene	92	90	45-133	1	30				
1,3-Dichlorobenzene	92	91	45-129	1	30				
1,4-Dichlorobenzene	93	92	44-132	1	30				
3,3'-Dichlorobenzidine	64	58	10-143	9	30				
2,4-Dichlorophenol	94	96	39-153	2	30				
2,6-Dichlorophenol	97	100	56-133	3	30				
Diethylphthalate	93	92	54-127	1	30				
Dimethoate	86	86	39-178	0	30				

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Quality Control Summary

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Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
p-Dimethylaminoazobenzene	99	100	77-123	1	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	97	97	44-139	1	30				
2,4-Dimethylphenol	88	90	38-140	2	30				
Dimethylphthalate	94	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	99	99	10-148	0	30				
1,3-Dinitrobenzene	96	96	73-116	0	30				
2,4-Dinitrophenol	98	95	20-143	3	30				
2,4-Dinitrotoluene	95	95	39-144	0	30				
2,6-Dinitrotoluene	102	100	54-134	3	30				
1,4-Dioxane	69	69	10-98	0	30				
Diphenyl ether	95	94	54-125	1	30				
Ethyl methanesulfonate	23*	30*	44-120	26	30				
bis(2-Ethylhexyl)phthalate	102	100	52-138	2	30				
Fluoranthene	90	89	41-135	2	30				
Fluorene	92	90	55-128	2	30				
Hexachlorobenzene	88	88	46-132	0	30				
Hexachlorobutadiene	91	91	65-125	1	30				
Hexachlorocyclopentadiene	108	109	10-153	1	30				
Hexachloroethane	92	92	24-138	1	30				
Hexachloropropene	95	98	39-124	3	30				
Indeno(1,2,3-cd)pyrene	95	94	44-147	1	30				
Isodrin	95	95	10-143	0	30				
Isophorone	93	94	68-119	1	30				
Isosafrole	106	106	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	106	108	65-123	1	30				
2-Methylnaphthalene	89	90	39-140	2	30				
2-Methylphenol	95	96	36-149	1	30				
4-Methylphenol	86	85	29-143	0	30				
Naphthalene	92	92	44-142	1	30				
1,4-Naphthoquinone	98	99	70-130	1	30				
1-Naphthylamine	11	10	10-92	9	30				
2-Naphthylamine	7*	0*	10-71	200*	30				
5-Nitro-o-toluidine	90	87	33-107	4	30				
2-Nitroaniline	109	108	64-131	1	30				
3-Nitroaniline	70	63	31-145	10	30				
4-Nitroaniline	79	76	30-131	4	30				
Nitrobenzene	88	89	41-141	1	30				
2-Nitrophenol	100	103	45-146	3	30				
4-Nitrophenol	108	102	25-142	5	30				
4-Nitroquinoline-1-oxide	109	104	10-160	4	30				
N-Nitroso-di-n-propylamine	86	86	58-126	0	30				
N-Nitrosodi-n-butylamine	89	89	38-136	0	30				
N-Nitrosodiethylamine	91	91	56-112	0	30				
N-Nitrosodimethylamine	82	82	61-110	0	30				
N-Nitrosodiphenylamine	95	95	59-135	0	30				
N-Nitrosomethylethylamine	83	83	54-118	1	30				
N-Nitrosomorpholine	88	89	72-121	1	30				
N-Nitrosopiperidine	94	96	48-131	1	30				
N-Nitrosopyrrolidine	91	92	59-131	1	30				

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Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Di-n-octylphthalate	114	117	54-151	3	30				
Pentachlorobenzene	91	92	69-119	1	30				
Pentachloronitrobenzene	96	98	78-116	3	30				
Pentachlorophenol	82	79	23-145	4	30				
Phenacetin	100	99	69-121	2	30				
Phenanthrene	80	79	42-141	1	30				
Phenol	89	88	61-130	1	30				
2-Picoline	70	70	55-104	0	30				
Pronamide	105	104	69-130	1	30				
Pyrene	87	87	37-140	1	30				
Pyridine	68	69	16-108	1	30				
Safrole	92	95	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	90	89	71-120	2	30				
2,3,4,6-Tetrachlorophenol	97	94	62-132	3	30				
Tetraethylthiopyrophosphate	92	95	76-126	3	30				
Thionazin	102	101	65-123	1	30				
o-Toluidine	48	46	21-84	3	30				
1,2,4-Trichlorobenzene	93	94	50-139	1	30				
2,4,5-Trichlorophenol	98	97	64-131	1	30				
2,4,6-Trichlorophenol	104	103	60-136	1	30				
O,O,O-Triethylphosphorothioate	92	93	70-119	2	30				
1,3,5-Trinitrobenzene	81	82	10-113	1	30				
Batch number: 143510017A Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: 7710578									
PCB-1016	0*	0*	41-135	0	50				
PCB-1260	148	137	38-148	8	50				
Batch number: 143510049A Sample number(s): 7710568,7710571,7710574,7710577,7710580,7710583 UNSPK: P709595									
Diethylene glycol	70	70	48-124	1	20				
Ethylene glycol	76	75	68-115	2	20				
Propylene glycol	80	78	71-115	2	20				
Triethylene glycol	58	62	23-139	7	20				
Batch number: 143500637002 Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595									
BKG: P709595									
Barium	98	95	75-125	2	20	45.8	44.7	2	20
Beryllium	106	105	75-125	1	20	0.881 J	0.857 J	3 (1)	20
Cadmium	95	95	75-125	0	20	0.0723 J	0.0723 J	0 (1)	20
Chromium	97	97	75-125	0	20	3.30	3.11	6 (1)	20
Cobalt	95	94	75-125	1	20	3.05	2.82	8 (1)	20
Copper	103	101	75-125	2	20	2.29	2.10	8 (1)	20
Nickel	95	95	75-125	0	20	3.20	3.23	1 (1)	20
Silver	93	92	75-125	1	20	0.188 U	0.188 U	0 (1)	20
Tin	90	90	75-125	0	20	2.27 J	2.37 J	5 (1)	20
Vanadium	100	99	75-125	1	20	10.8	10.9	1	20
Zinc	100	97	75-125	2	20	24.4	23.3	5	20
Batch number: 143500637002A Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595									
BKG: P709595									
Antimony	52*	57*	75-125	9	20	0.0836 U	0.0836 U	0 (1)	20
Arsenic	99	88	75-125	9	20	0.892	0.722 J	21* (1)	20
Lead	152*	80	75-125	19	20	7.59	7.59	0	20

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Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

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Thallium	93	88	75-125	3	20	0.287	0.238	18 (1)	20	
Batch number: 143500637002B	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595									
Selenium	99	98	75-125	0	20	0.200 J	0.174 J	14 (1)	20	
Batch number: 143500638001	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595									
Mercury	109	100	75-125	6	20	0.0096 U	0.0097 U	0 (1)	20	
Batch number: 14352820005B	Sample number(s): 7710567-7710584 BKG: P709677									
Moisture						41.9	40.5	3	5	
Moisture						41.9	40.5	3	5	

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: Q143531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7710567	86	84	89	88
7710570	80	80	83	81
7710573	83	87	89	85
7710576	75	76	80	76
7710579	81	82	86	83
7710582	77	79	81	79
Blank	99	101	103	98
DUP	82	84	87	86
LCS	98	97	102	99
LCSD	91	91	93	90
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles

Batch number: Q143561AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7710585	88	90	91	90
7710586	102	104	106	104
Blank	95	94	99	97
LCS	94	97	100	96
LCSD	91	91	92	90
MS	84	80	84	81
MSD	73	69	72	75
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14349SLC026

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/24/14 at 03:47 PM

Group Number: 1525320

Surrogate Quality Control

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7710580	92	97	82	90	93	109
Blank	96	101	103	96	103	113
LCS	96	98	98	92	94	103
MS	94	97	91	88	89	100
MSD	89	93	91	88	89	99
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14354SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7710568	87	92	84	82	92	108
7710571	85	91	79	76	94	100
7710574	88	93	83	83	94	102
7710577	87	93	78	86	93	112
7710583	89	95	73	92	96	109
Blank	86	93	89	91	96	137
LCS	94	99	88	95	97	107
MS	85	90	82	86	90	98
MSD	86	92	83	89	92	100
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143510017A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7710569	110	113
7710572	102	106
7710575	106	112
7710578	110	139
7710581	97	74
7710584	106	85
Blank	115	118
LCS	111	113
MS	106	135
MSD	102	134
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143510049A

	Tetramethylene glycol
7710568	73
7710571	72
7710574	75
7710577	77
7710580	76
7710583	78
Blank	91
LCS	92
MS	73
MSD	70*
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1525320 Sample Nos.: 7710567-86

Acc't: 06643 SF: 218983 SCR No.: 163985

Cooler No.: C26218

30709

Cooler Temperature upon receipt: 02 °C

Container No.: 8

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:										
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																						
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																						
1300 Staton Road		Release No.:																						
Cedar Mountain NC 28718		PO Number:																						
Sampler(s): <u>MS, HL, & RH</u>												ISM												
Project Name: ISM 2014																								
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)												Condition upon receipt:	
				Volume (ml)	Preserv	No.																		
SSP14-ISM-DU-6C	12-11-14	1200	SW	1000	None	5	X	X	X	X	X													Intact
SSP14-ISM-DU-6C	12-11-14	1200	SW	1000 NA	None	5			X															

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>Bottle Storage</u>	Date:	Time:	Bottles Received by: <u>Hannah Liponi</u>	Date:	Time:		
Bottles Relinquished by: <u>Hannah Liponi</u>	Date: <u>12-12-14</u>	Time: <u>1200</u>	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:		
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date: <u>12/2/14</u>	Time: <u>1200</u>		



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1525370 Sample Nos.: 7710567-86

Acc't: 06643 SF: 218983 SCR No.: 163981 Cooler No.: C22617

30685

Cooler Temperature upon receipt: 05 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road		Release No.:																		
Cedar Mountain NC 28718		PO Number: LBIO-67047																		
Sampler(s): <u>HL, ME, RH</u>																				
Project Name: ISM 2014				APPIX Volatiles (8260)										ISM Condition upon receipt: <u>Intact</u>						
Sample Identification		Date Collected	Time Collected													Matrix	Containers			X
																	Volume (ml)	Preserv	No.	
TB-11-1209 14		12.9.14	1615													WW	40	MeOH	1	X
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																
Bottles Relinquished by: <u>Bottle Storage</u>		Date	Time	Bottles Received by: <u>Hannah Lepini</u>		Date:	Time:													
Bottles Relinquished by: <u>Hannah Lepini</u>		Date: <u>12.12.14</u>	Time: <u>1200</u>	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date	Time	Bottles Received by: <u>[Signature]</u>		Date: <u>12/12/14</u>	Time: <u>2:00</u>													

Client: Dupont Brevard

ISM 2014

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 12/12/2014 22:00
 Number of Packages: 8 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Wesley Miller (2308) at 08:21 on 12/13/2014

Samples Chilled Details: ISM 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.5	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N
4	DT121	0.5	DT	Wet	Y	Loose	N
5	DT121	0.6	DT	Wet	Y	Loose	N
6	DT121	0.3	DT	Wet	Y	Loose	N
7	DT121	0.3	DT	Wet	Y	Loose	N
8	DT121	0.2	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details: ISM 2014

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-5A	9	11	COC# 30679 received 2 jars empty
SSP14-ISM-DU-5B	9	11	COC# 30680 received 2 jars empty
SSP14-ISM-DU-5C	8	11	COC# 30681 received 3 jars empty
SSP14-ISM-DU-6A	9	12	COC# 30707 received 3 jars empty
SSP14-ISM-DU-6B	9	12	COC# 30708 received 3 jars empty
SSP14-ISM-DU-6C	8	12	COC# 30709 received 4 jars empty

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns $>25\%$
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is $<$ CRDL, but \geq IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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**ADQM DATA REVIEW
NARRATIVE**

Site **BRE: BREVARD**

Project **GW 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date **November 14-15, 2014, November 19-22, 2014, December 16-20, 2014 and February 11, 2015**

Analytical Protocol

<u>Laboratory</u>	<u>Analytical Method</u>	<u>Parameter(s)</u>
Eurofins Lancaster	SW846 6010C/6020A/7470A	Metals
Eurofins Lancaster	SW846 8260B SIM	Vinyl Chloride
Eurofins Lancaster	SW8468260B	Volatiles (25 ml purge)/Acrylonitrile/Acrolein
Eurofins Lancaster	SW846 8270D SIM	SVOCS
Eurofins Lancaster	SW846 8270D	SVOCS/Library Search: 2,5-Dimethyl furan
Eurofins Lancaster	EPA 300	Nitrate
Eurofins Lancaster	SM4500-NH3 B/C MOD 1997	Ammonia

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on October 31, and November 12-13, 2014. The cooler temperatures were as follows: 2.0, 0.1, 0.4, 0.6, 1.1, 0.9, 1.3, 1.7, 0.4, 0.3, 0.2, 1.5, 1.6, 0.8, 1.0, 0.6, 0.3, 0.3, 0.5, 0.2, 0.8, 0.7, 1.6, 0.1, 0.4 and 0.2 degrees C. The ADQM chemist doesn't believe the data to be impacted since the samples were cold but not frozen upon receipt.
- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:
 - SSP14-GW-R87-S5-A was listed on the COC/bottle label was SSP14-GW-R87-S5
 - SSP14-GW-R87-S4 was listed on the COC/bottle label was SSP14-MW-304A
 - SSP14-GW-R87-S4-A was listed on the COC/bottle label was SSP14-MW-302A-A
 - 4-40 mL unpreserved vials were received with discrepancies on 11/14/14
 - Two TB-111814-02 vials were received on 11/19/14 /COC listed 4 vials
 - One TB-111814-02-A vial was received on 11/19/14/ COC listed 2 vials
 - Three vials were labelled TB- and TB-A, 2 with HCL and 1 unpreserved, no date on the labels, were received on 11/20/14.
 - SSP14-GW-MW-207B-A-D was listed on the COC/bottle label was SSP14-GW-MW-207B-D
 - Sample MW-222B MS metals was received in a 500 ml plastic container on 12/19/14

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of the non-detect 8270C SVOC results flagged $\delta R\delta$, rejected, unusable, due to low surrogate recoveries, and low Relative Percent Recovery, RPR, between the LCD/LCSD/MS/MSD and the 8270D SIM and 6010C metals results flagged $\delta B\delta$, due to equipment or method blank contamination. Two Diphenyl Ether, 8270D, results were flagged $\delta J\delta$, estimated, due to high Relative Percent Difference, RPD, between the field duplicate and parent sample. Eight Mercury, 7470A, non-detect results were flagged $\delta UJ\delta$, estimated, due to low RPR between the MS/MSD. One Phenol, 8270D, result was flagged $\delta J\delta$, estimated, due to low surrogate recovery and may be biased low. Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified $\delta J\delta$ estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM[®] database and processed through a series of data quality checks, which are a combination of software (Locus EIM[®] database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard

Sampling Program: GW 2014

Validation Options: LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dinitrophenol	11	UG/L	MDL	11	32	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4,6-Dinitro-2-Methylphenol	5	UG/L	MDL	5	16	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,3,4,6-Tetrachlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Chloro-3-Methylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,6-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Pentachlorophenol	1	UG/L	MDL	1	5	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4,6-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Nitrophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Methylphenol (O-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Chlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4,5-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Nitrophenol	11	UG/L	MDL	11	32	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Benzyl Alcohol	11	UG/L	MDL	11	21	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dimethylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Methylphenol (P-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Phenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Nitrophenol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Benzyl Alcohol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dimethylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Methylphenol (P-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Phenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dinitrophenol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4,6-Dinitro-2-Methylphenol	5	UG/L	MDL	5	15	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,3,4,6-Tetrachlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Chloro-3-Methylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,6-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Pentachlorophenol	1	UG/L	MDL	1	5	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4,6-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Nitrophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Methylphenol (O-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Chlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4,5-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Nitrophenol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Benzyl Alcohol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dimethylphenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Methylphenol (P-Cresol)	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dinitrophenol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4,6-Dinitro-2-Methylphenol	6	UG/L	MDL	6	18	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,3,4,6-Tetrachlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Chloro-3-Methylphenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,6-Dichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Pentachlorophenol	1	UG/L	MDL	1	6	R	8270D		3510C

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-215	11/14/2014	7677688	2,4,6-Trichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Nitrophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Methylphenol (O-Cresol)	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Chlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4,5-Trichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-121714	12/17/2014	7717727	1,4-Naphthoquinone	29	UG/L	MDL	29	69	R	8270D		3510C
EB-121914	12/19/2014	7722011	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-BR-11	12/19/2014	7721990	1,4-Naphthoquinone	27	UG/L	MDL	27	65	R	8270D		3510C
SSP14-GW-BR-1	11/20/2014	7684945	1,4-Naphthoquinone	26	UG/L	MDL	26	64	R	8270D		3510C
SSP14-GW-BR-11-D	12/19/2014	7721997	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-BR-9	12/19/2014	7721988	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-BR-3	12/19/2014	7721984	1,4-Naphthoquinone	27	UG/L	MDL	27	64	R	8270D		3510C
SSP14-GW-BR-5	12/18/2014	7722018	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-207A	12/17/2014	7717704	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-207B	12/16/2014	7715299	1,4-Naphthoquinone	28	UG/L	MDL	28	67	R	8270D		3510C
SSP14-GW-MW-207B-D	12/16/2014	7715298	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-MW-210A	11/19/2014	7683195	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-300	12/17/2014	7717714	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-301A	11/20/2014	7684949	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-301B	11/20/2014	7684951	1,4-Naphthoquinone	27	UG/L	MDL	27	65	R	8270D		3510C
SSP14-GW-MW-302A	11/20/2014	7684939	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-302B	11/20/2014	7684941	1,4-Naphthoquinone	27	UG/L	MDL	27	64	R	8270D		3510C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-304A	12/16/2014	7717716	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-305	12/17/2014	7717721	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-304B	12/16/2014	7717718	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-WSW-DSF3	12/16/2014	7717725	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	1,4-Naphthoquinone	27	UG/L	MDL	27	66	R	8270D		3510C
SSP14-GW-WSW-GUARD	12/19/2014	7722003	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-WSW-VISIT	12/16/2014	7717723	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-WSW-WWT	12/18/2014	7722017	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-WSW-YMCA	12/19/2014	7721999	1,4-Naphthoquinone	26	UG/L	MDL	26	61	R	8270D		3510C

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-BR-11	12/19/2014	7721990	3,3'-Dimethylbenzidine	27	UG/L	MDL	27	82	R	8270D		3510C

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-WSW-VISIT	12/16/2014	7717723	Barium	0.00036	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Barium	0.0011	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7722017	Barium	0.0029	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-304B	12/16/2014	7717718	Barium	0.00033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-GUARD	12/19/2014	7722003	Barium	0.00054	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Barium	0.0049	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-225B	12/16/2014	7717712	Barium	0.0033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Zinc	0.0153	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-114B	12/16/2014	7717702	Barium	0.00039	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7722018	Barium	0.0033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-114A	12/16/2014	7717700	Barium	0.0052	MG/L	MDL	0.00033	0.0100	B	6010C		3010A

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-303	11/14/2014	7677690	Zinc	0.0049	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Dibenz(A,H)Anthracene	0.015	UG/L	MDL	0.011	0.057	B	8270D SIM		3510C
SSP14-GW-R87-S4	11/13/2014	7677157	Zinc	0.0039	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-R87-S5	12/19/2014	7677159	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Zinc	0.0077	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-219A	11/13/2014	7677153	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-215	11/14/2014	7677688	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-219B	12/13/2014	7677155	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
EB-111414	11/14/2014	7677692	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S5	12/19/2014	7677159	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S5-D	11/12/2014	7677166	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-303	11/14/2014	7677690	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-219A	11/13/2014	7677153	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S4	11/13/2014	7677157	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-R87-S5	12/19/2014	7677159	Diphenyl Ether	16	UG/L	MDL	0.5	1	J	8270D		3510C
SSP14-GW-R87-S5-D	11/12/2014	7677166	Diphenyl Ether	9	UG/L	MDL	0.5	1	J	8270D		3510C

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-215	11/14/2014	7677688	Phenol	0.9	UG/L	MDL	0.6	1	J	8270D		3510C

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-R87-S5-D	11/12/2014	7677166	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-R87-S5-D	11/12/2014	7677166	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5-D	11/12/2014	7677166	Lead	0.00010	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-R87-S5-D	11/12/2014	7677166	Thallium	0.00054	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S5-D	11/12/2014	7677166	Cobalt	0.0063	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-R87-S5-D	11/12/2014	7677166	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	Thallium	0.00066	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S5	12/19/2014	7677159	Arsenic	0.00083	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-R87-S5	12/19/2014	7677159	Cobalt	0.0063	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-R87-S5	12/19/2014	7677159	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S4	11/13/2014	7677157	Vinyl Chloride	0.043	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-R87-S5	12/19/2014	7677159	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	Lead	0.000098	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Thallium	0.00027	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Arsenic	0.0010	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Beryllium	0.00085	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-R87-S4	11/13/2014	7677157	Cobalt	0.0025	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-304B	12/16/2014	7717718	Iron	0.0437	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Barium	0.0034	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Iron	0.0748	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Manganese	0.0074	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Nickel	0.0019	MG/L	MDL	0.0016	0.0200	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-305	12/17/2014	7717721	Arsenic	0.0033	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-305	12/17/2014	7717721	Beryllium	0.00093	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Chromium	0.0044	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Vanadium	0.0078	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Zinc	0.0129	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Iron	0.0639	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Manganese	0.0048	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Barium	0.0088	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Thallium	0.00021	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-PZ-17	11/19/2014	7683206	Arsenic	0.0011	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-PZ-17	11/19/2014	7683206	Beryllium	0.0018	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Chromium	0.0127	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Cobalt	0.0016	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Vanadium	0.0082	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Zinc	0.0136	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-R87-S4	11/13/2014	7677157	1,4-Dioxane	3	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-R87-S4	11/13/2014	7677157	Benzene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S4	11/13/2014	7677157	Lead	0.00020	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-304A	12/16/2014	7717716	trans-1,2-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	Iron	0.110	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-304A	12/16/2014	7717716	Thallium	0.00021	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-304A	12/16/2014	7717716	Zinc	0.0028	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-304A	12/16/2014	7717716	1,1,2-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-302B	11/20/2014	7684941	Iron	0.170	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-302B	11/20/2014	7684941	Lead	0.000083	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-302B	11/20/2014	7684941	Manganese	0.0054	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-302B	11/20/2014	7684941	Barium	0.00057	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Iron	0.0894	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Manganese	0.0032	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Barium	0.00083	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Chromium	0.0015	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Copper	0.0034	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Vanadium	0.0021	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Zinc	0.0165	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Tetrachloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	trans-1,2-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Lead	0.0013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Vinyl Chloride	0.015	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-VISIT	12/16/2014	7717723	Lead	0.00059	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-GUARD	12/19/2014	7722003	Lead	0.00034	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Lead	0.0011	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-WWT	12/18/2014	7722017	Chromium	0.0030	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7722017	Zinc	0.0154	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-WSW-WWT	12/18/2014	7722017	Selenium	0.0171	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7720361	Acetone	3.4	UG/L	MDL	3.0	5.0	J	8260B		5030B
SSP14-GW-WSW-WWT	12/18/2014	7722017	Lead	0.00019	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-WWT	12/18/2014	7722017	Tin	0.0067	MG/L	MDL	0.0024	0.0400	J	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-VISIT	12/16/2014	7717723	Zinc	0.0140	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Manganese	0.0010	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
EB-111414	11/14/2014	7677692	Zinc	0.0050	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-021015	02/10/2015	7768571	Tin	0.0037	MG/L	MDL	0.0024	0.0400	J	6010C		3010A
EB-021015	02/10/2015	7768571	Barium	0.00052	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-021015	02/10/2015	7768571	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-121914	12/19/2014	7722011	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-121914	12/19/2014	7722011	Naphthalene	0.032	UG/L	MDL	0.030	0.060	J	8270D SIM		3510C
EB-121714	12/17/2014	7717727	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-121714	12/17/2014	7717727	Naphthalene	0.059	UG/L	MDL	0.034	0.069	J	8270D SIM		3510C
SSP14-GW-BR-11	12/19/2014	7721990	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-11	12/19/2014	7721990	Lead	0.000083	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-11	12/19/2014	7721990	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Chromium	0.0145	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Vanadium	0.0023	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Selenium	0.0068	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-2	11/20/2014	7684947	Barium	0.0022	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-BR-2	11/20/2014	7684947	Chromium	0.0014	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-2	11/20/2014	7684947	Zinc	0.0022	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-11-D	12/19/2014	7721997	Barium	0.0069	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Chromium	0.0138	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Vanadium	0.0024	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Benzo(G,H,I)Perylene	0.021	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Indeno (1,2,3-CD) Pyrene	0.014	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Dibenz(A,H)Anthracene	0.014	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Barium	0.00043	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Chromium	0.0040	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Zinc	0.0033	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	trans-1,2-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-9	12/19/2014	7721988	Chromium	0.0024	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Copper	0.0040	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Vanadium	0.0057	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Zinc	0.0232	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-104B	11/18/2014	7682368	Iron	0.191	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Barium	0.0017	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-105	11/18/2014	7682370	Iron	0.115	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-105	11/18/2014	7682370	Barium	0.0083	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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SSP14-GW-MW-106B	12/15/2014	7713957	1,2-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	cis-1,2 Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	Barium	0.0014	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-106B	12/15/2014	7713957	Zinc	0.0030	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-106B	12/15/2014	7713957	Vinyl Chloride	0.042	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	Trichlorofluoromethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-108	12/16/2014	7715297	Lead	0.00030	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-108	12/16/2014	7715297	Thallium	0.00018	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-108	12/16/2014	7715297	Cadmium	0.00034	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-111B	12/19/2014	7721986	1,1,1-Trichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-111B	12/19/2014	7721986	Lead	0.00055	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-111B	12/19/2014	7721986	Zinc	0.0048	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Arsenic	0.0013	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-112A	02/10/2015	7768564	Chromium	0.0053	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Cobalt	0.0012	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Vanadium	0.0059	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Zinc	0.0157	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Iron	0.0526	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Lead	0.00056	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-112B	12/18/2014	7720346	Manganese	0.0054	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Barium	0.0058	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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SSP14-GW-MW-210B	11/19/2014	7683197	Fluoranthene	0.026	UG/L	MDL	0.010	0.050	J	8270D SIM		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Iron	0.0749	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-210B	11/19/2014	7683197	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-210B	11/19/2014	7683197	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Biphenyl	0.6	UG/L	MDL	0.5	1	J	8270D		3510C
SSP14-GW-MW-211A	11/18/2014	7682372	Styrene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211A	11/18/2014	7682372	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211A	11/18/2014	7682372	Lead	0.00078	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Thallium	0.00019	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Arsenic	0.00099	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Chromium	0.0014	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-211A	11/18/2014	7682372	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211B	11/18/2014	7682374	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211B	11/18/2014	7682374	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Thallium	0.00018	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Arsenic	0.0027	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Beryllium	0.0016	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-211B	11/18/2014	7682374	Cadmium	0.00032	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Chromium	0.0017	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-211B	11/18/2014	7682374	Vinyl Chloride	0.041	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-211C	11/19/2014	7683202	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Iron	0.167	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Lead	0.00054	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Thallium	0.00029	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Beryllium	0.0021	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Cadmium	0.00023	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Dichlorodifluoromethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	1,2-Dichloropropane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Diphenyl Ether	0.9	UG/L	MDL	0.6	1	J	8270D		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	1,2-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	1,4-Dioxane	2	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Pyrene	0.018	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	cis-1,2 Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Silver	0.0022	MG/L	MDL	0.0018	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Antimony	0.00040	MG/L	MDL	0.00033	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Arsenic	0.0023	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Beryllium	0.00075	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Chromium	0.0024	MG/L	MDL	0.0013	0.0300	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-212A	11/21/2014	7686526	Cobalt	0.0022	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Zinc	0.0100	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Methylene Chloride	0.2	UG/L	MDL	0.2	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	1,2-Dichloropropane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Fluorene	0.013	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	Pyrene	0.012	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	Chloroform	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	Lead	0.00046	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212B	11/21/2014	7686518	Barium	0.0044	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Beryllium	0.0012	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Chromium	0.0016	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Zinc	0.0053	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Fluorene	0.041	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	2-Methylnaphthalene	0.046	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B-D	11/21/2014	7686524	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B-D	11/21/2014	7686524	Chloroform	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B-D	11/21/2014	7686524	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	Barium	0.00075	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Beryllium	0.00069	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Ethyl Chloride	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-300	12/17/2014	7717714	Lead	0.00046	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-300	12/17/2014	7717714	Thallium	0.00030	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-300	12/17/2014	7717714	Zinc	0.0040	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-225B	12/16/2014	7717712	Vinyl Chloride	0.015	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-225B	12/16/2014	7717712	1,1,2-Trichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-301A	11/20/2014	7684949	Lead	0.00018	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-301B	11/20/2014	7684951	Iron	0.0907	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-301B	11/20/2014	7684951	Barium	0.0022	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-301B	11/20/2014	7684951	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Vinyl Chloride	0.031	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	1,1,2-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	Trichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-221B	12/18/2014	7720350	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-221B	12/18/2014	7720350	Lead	0.00017	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-221B	12/18/2014	7720350	Thallium	0.00022	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-221B	12/18/2014	7720350	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Diphenyl Ether	0.8	UG/L	MDL	0.6	1	J	8270D		3510C
SSP14-GW-MW-222A	12/18/2014	7720352	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	Cobalt	0.0041	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Ethyl Chloride	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-222B	12/18/2014	7720354	Iron	0.398	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Lead	0.00013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-222B	12/18/2014	7720354	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225A	12/16/2014	7717710	trans-1,2-Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225A	12/16/2014	7717710	Iron	0.309	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	Copper	0.0030	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	Zinc	0.0046	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225B	12/16/2014	7717712	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-215	11/14/2014	7677688	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Beryllium	0.0019	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Chromium	0.0023	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Iron	0.110	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-219B	12/13/2014	7677155	Manganese	0.0045	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-219A	11/13/2014	7677153	Manganese	0.0098	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-202B	12/18/2014	7720348	Barium	0.00081	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	1,4-Dioxane	2	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-114B	12/16/2014	7717702	Manganese	0.0018	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7722018	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-207B	12/16/2014	7715299	Fluoranthene	0.014	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-207B	12/16/2014	7715299	Zinc	0.0021	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7720359	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-5	12/18/2014	7722018	Lead	0.00013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-11	12/19/2014	7721990	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-2	11/20/2014	7684947	Pyrene	0.011	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-3	12/19/2014	7721984	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Lead	0.00042	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-3	12/19/2014	7721984	Zinc	0.0021	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-3	12/19/2014	7721984	Methylene Chloride	0.4	UG/L	MDL	0.2	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Dichlorodifluoromethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	1,2-Dichloropropane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	2-Methylnaphthalene	0.020	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-3	12/19/2014	7721984	1,2-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Benzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Lead	0.0019	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-214	12/15/2014	7713959	Arsenic	0.0015	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-214	12/15/2014	7713959	1,1-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Selenium	0.0055	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-MW-214	12/15/2014	7713959	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Chlorobenzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-210A	11/19/2014	7683195	Vinyl Chloride	0.020	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-210A	11/19/2014	7683195	1,1-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	Pyrene	0.017	UG/L	MDL	0.010	0.050	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	Iron	0.195	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-209B	12/15/2014	7713963	Lead	0.00023	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-209B	12/15/2014	7713963	Cobalt	0.0014	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-209B	12/15/2014	7713963	Naphthalene	0.056	UG/L	MDL	0.031	0.062	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	2-Methylnaphthalene	0.011	UG/L	MDL	0.010	0.052	J	8270D SIM		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	Lead	0.00027	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-209A	12/15/2014	7713961	Cobalt	0.0033	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-209A	12/15/2014	7713961	Copper	0.0031	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-MW-209A	12/15/2014	7713961	Naphthalene	0.054	UG/L	MDL	0.031	0.062	J	8270D SIM		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	2-Methylnaphthalene	0.011	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	1,4-Dioxane	3	UG/L	MDL	1	5	J	8270D		3510C

ANALYTICAL RESULTS

Prepared by:

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Prepared for:

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Newark DE 19713

November 26, 2014

Project: BRE - GW

Submittal Date: 11/14/2014

Group Number: 1518889

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-GW-MW-219A Groundwater	7677153
SSP14-GW-MW-219A-A Groundwater	7677154
SSP14-GW-MW-219B Groundwater	7677155
SSP14-GW-MW-219B-A Groundwater	7677156
SSP14-GW-R87-S4 Groundwater	7677157
SSP14-GW-R87-S4-A Groundwater	7677158
SSP14-GW-R87-S5 Groundwater	7677159
SSP14-GW-R87-S5 MS Groundwater	7677160
SSP14-GW-R87-S5 MSD Groundwater	7677161
SSP14-GW-R87-S5 Dupl Groundwater	7677162
SSP14-GW-R87-S5-A Groundwater	7677163
SSP14-GW-R87-S5-A MS Groundwater	7677164
SSP14-GW-R87-S5-A MSD Groundwater	7677165
SSP14-GW-R87-S5-D Groundwater	7677166
SSP14-GW-R87-S5-A-D Groundwater	7677167
TB-111214-2 Blank Water	7677168
TB-111214-2-A Blank Water	7677169

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-219A Groundwater
GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219A Groundwater
GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

219A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0186		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0098 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0035 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219A Groundwater
GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143281AA	11/24/2014	11:44	Kerri E Legerlotz	1
		purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	19:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	19:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014	11:44	Kerri E Legerlotz	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14322WAM026	11/20/2014	03:27	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:58	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219A-A Groundwater
GW 2014

LL Sample # WW 7677154
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 05:41	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 05:41	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219B Groundwater
GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.5		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	1.4		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 J		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.4 J		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219B Groundwater
GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.031 J		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.00075 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00069 J		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.110 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0045 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0077 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00015 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219B Groundwater
GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143281AA	11/24/2014 12:06	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 19:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 19:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014 12:06	Kerri E Legerlotz	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14322WAM026	11/20/2014 17:27	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:20	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:10	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:10	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:10	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:10	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:10	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:04	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-219B-A Groundwater
GW 2014

LL Sample # WW 7677156
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

219BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 06:03	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:03	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S4 Groundwater
GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 J	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	2.5	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	6.1	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S4 Groundwater
GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.043 J		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	1,4-Dioxane	123-91-1	3 J		1	6	1
10461	Diphenyl ether	101-84-8	1		0.6	1	1
Metals SW-846 6010C							
07046	Barium	7440-39-3	0.0949		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00085 J		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0025 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	13.6		0.0334	0.400	1
07058	Manganese	7439-96-5	6.60		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0039 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0010 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00020 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00027 J		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S4 Groundwater
GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 16:59	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 20:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 20:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 16:59	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014 17:55	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/24/2014 06:50	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:24	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:13	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:13	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:13	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:13	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:13	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:06	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S4-A Groundwater
GW 2014

LL Sample # WW 7677158
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87A4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 06:25	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:25	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.2 J		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	2.3		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.13		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	2 J		1	5	1
10461	Diphenyl ether	101-84-8	16		0.5	1	1
Metals SW-846 6010C							
07046	Barium	7440-39-3	0.500		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0063 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	31.9		0.0334	0.400	1
07058	Manganese	7439-96-5	0.681		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0024 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00083 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000098 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00066 J		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry SM 4500-NH3 B/C modified-1997							
00221	Ammonia Nitrogen	7664-41-7	33.2		0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 14:52	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 17:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 17:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 14:52	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/19/2014 23:08	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 14:32	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 04:38	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 04:38	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 04:38	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 04:38	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 04:38	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 10:29	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	42	3.0	5.0	1
02898	Acetonitrile	75-05-8	49	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.8	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.3	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	5.1	0.1	0.5	1
02898	2-Butanone	78-93-3	40	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.5	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.5	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.5	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	5.1	0.1	0.5	1
02898	Chloroform	67-66-3	5.5	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.4	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	19	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	6.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	8.1	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.6	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.7	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.5	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.6	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	38	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.7	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.6	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.2	0.2	0.5	1
02898	Propionitrile	107-12-0	44	2.0	10	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.3	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.7	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.3	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL						
purge						
02898	1,2,3-Trichloropropane	96-18-4	5.5	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	14	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM						
06008	Vinyl Chloride	75-01-4	0.69	0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D						
10461	1,1'-Biphenyl	92-52-4	46	0.5	1	1
10461	1,4-Dioxane	123-91-1	35	1	5	1
10461	Diphenyl ether	101-84-8	61	0.5	1	1
Metals SW-846 6010C						
07046	Barium	7440-39-3	2.47	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0506	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.194	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.513	0.0010	0.0100	1
07053	Copper	7440-50-8	0.254	0.0028	0.0200	1
01754	Iron	7439-89-6	33.3	0.0334	0.400	1
07058	Manganese	7439-96-5	1.22	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.510	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.149	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0545	0.0018	0.0100	1
07069	Tin	7440-31-5	3.93	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.492	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.514	0.0020	0.0400	1
SW-846 6020A						
06024	Antimony	7440-36-0	0.0064	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0110	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0154	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0025	0.00015	0.0010	1
SW-846 7470A						
00259	Mercury	7439-97-6	0.00074	0.000060	0.00020	1
Wet Chemistry SM 4500-NH3 B/C modified-1997						
00221	Ammonia Nitrogen	7664-41-7	42.5	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 15:13	Jason M Long	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 15:55	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143261AA	11/22/2014 15:55	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/19/2014 23:36	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 14:44	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 04:45	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 04:45	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 04:45	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 04:45	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 04:45	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 10:33	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MSD Groundwater
GW 2014

LL Sample # WW 7677161
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	38	3.0	5.0	1
02898	Acetonitrile	75-05-8	44	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.6	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.3	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.0	0.1	0.5	1
02898	Bromoform	75-25-2	4.1	0.1	0.5	1
02898	Bromomethane	74-83-9	5.1	0.1	0.5	1
02898	2-Butanone	78-93-3	37	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.5	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.4	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.4	0.1	0.5	1
02898	Chloroethane	75-00-3	5.2	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.3	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.0	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.4	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	17	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	6.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.5	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	8.0	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.5	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.7	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.5	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.8	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.5	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	35	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.3	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.2	0.2	0.5	1
02898	Propionitrile	107-12-0	40	2.0	10	1
02898	Styrene	100-42-5	5.5	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.3	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.2	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.4	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.4	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.7	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.1	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MSD Groundwater
GW 2014

LL Sample # WW 7677161
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 15:34	Jason M Long	1
		purge					
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 16:16	Jason M Long	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 15:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143261AA	11/22/2014 16:16	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014 00:05	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 14:48	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 04:47	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 04:47	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 04:47	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 04:47	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 04:47	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 10:39	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater
GW 2014

LL Sample # WW 7677162
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.506		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0062 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	32.1		0.0334	0.400	1
07058	Manganese	7439-96-5	0.695		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0026 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000089 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00064 J		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
		EPA 300.0	mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U		0.25	0.50	5
The holding time was not met. The sample was submitted to the laboratory outside of the holding time.							
		SM 4500-NH3 B/C modified-1997	mg/l		mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	33.5		0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater
GW 2014

LL Sample # WW 7677162
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R87S5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:31	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14319987901B	11/15/2014	13:21	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014	09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-A Groundwater
GW 2014

LL Sample # WW 7677163
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

87S5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 06:47	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:47	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-A MS Groundwater
GW 2014

LL Sample # WW 7677164
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

87S5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	180	40	100	1
10335	Acrylonitrile	107-13-1	73	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 07:09	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:09	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-A MSD Groundwater
GW 2014

LL Sample # WW 7677165
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

87S5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	180	40	100	1
10335	Acrylonitrile	107-13-1	85	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 07:31	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:31	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R875D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.2 J	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R875D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.15		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	2 J		1	5	1
10461	Diphenyl ether	101-84-8	9		0.5	1	1
Metals SW-846 6010C							
07046	Barium	7440-39-3	0.502		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0063 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	31.5		0.0334	0.400	1
07058	Manganese	7439-96-5	0.705		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00010 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00054 J		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry SM 4500-NH3 B/C modified-1997							
00221	Ammonia Nitrogen	7664-41-7	35.0		0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

R875D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 16:38	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 16:38	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014 18:24	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014 09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:28	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:15	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:15	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:15	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:15	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:15	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:08	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-A-D Groundwater
GW 2014

LL Sample # WW 7677167
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

875DA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 07:53	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:53	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214-2 Blank Water
GW 2014

LL Sample # WW 7677168
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

T12-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214-2 Blank Water
GW 2014

LL Sample # WW 7677168
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

T12-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 14:31	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 14:31	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214-2-A Blank Water
GW 2014

LL Sample # WW 7677169
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/14/2014 18:47

Reported: 11/26/2014 18:49

TA122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L143191AA	11/15/2014 05:19	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 05:19	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: E143232AA	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166,7677168								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	122		70-130		
Batch number: I143261AA	Sample number(s): 7677157,7677159-7677161,7677166,7677168								
Acetone	3.0 U	3.0	5.0	ug/l	108		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	85		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	94		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	82		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	94		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	106		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	95		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	99		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	97		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	92		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	89		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	104		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	83		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	110		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	100		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	103		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	100		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	101		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	106		72-124		
Isobutyl Alcohol	10 U	10.	25	ug/l	108		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	102		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	93		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	110		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	101		75-126		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propionitrile	2.0 U	2.0	10	ug/l	116		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	100		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	106		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	112		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	102		80-120		
Batch number: I143281AA Sample number(s): 7677153,7677155									
Acetone	3.0 U	3.0	5.0	ug/l	122		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	105	106	50-145	1	30
Allyl Chloride	0.1 U	0.1	0.5	ug/l	95		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	103		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	79		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	93		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	116		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	97		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	102		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	99		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	91		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	103		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	98		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	106		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	104		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	105		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	96		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	103		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	114		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	113		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	100		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	106		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	106		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	99		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	125		67-143		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: E143232AA	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166,7677168 UNSPK: 7677159							
Vinyl Chloride	111	117	70-130	5	30			
Batch number: I143261AA	Sample number(s): 7677157,7677159-7677161,7677166,7677168 UNSPK: 7677159							
Acetone	111	101	57-163	9	30			
Acetonitrile	130*	118	77-129	10	30			
Allyl Chloride	103	103	61-120	0	30			
Benzene	110	108	87-126	2	30			
Bromochloromethane	105	106	82-125	1	30			
Bromodichloromethane	101	101	82-133	0	30			
Bromoform	84	83	60-138	2	30			
Bromomethane	101	102	66-130	0	30			
2-Butanone	107	97	56-160	9	30			
Carbon Disulfide	109	108	84-141	1	30			
Carbon Tetrachloride	111	110	81-148	1	30			
2-Chloro-1,3-butadiene	109	109	78-128	1	30			
Chlorobenzene	110	108	78-133	1	30			
Chloroethane	103	104	70-139	1	30			
Chloroform	110	108	86-136	2	30			
Chloromethane	113	112	49-135	1	30			
1,2-Dibromo-3-chloropropane	93	86	53-163	8	30			
Dibromochloromethane	101	99	79-125	2	30			
1,2-Dibromoethane	111	108	84-127	3	30			
Dibromomethane	108	106	83-126	1	30			
trans-1,4-Dichloro-2-butene	76	69	11-172	10	30			
Dichlorodifluoromethane	127	127	28-136	0	30			
1,1-Dichloroethane	109	107	81-126	2	30			
1,2-Dichloroethane	110	109	82-135	1	30			
1,1-Dichloroethene	117	116	86-132	1	30			
cis-1,2-Dichloroethene	112	110	82-129	1	30			
trans-1,2-Dichloroethene	114	113	88-127	1	30			
1,2-Dichloropropane	110	110	91-126	0	30			
cis-1,3-Dichloropropene	99	98	74-132	1	30			
trans-1,3-Dichloropropene	98	96	71-128	2	30			
Ethyl Methacrylate	104	104	73-134	0	30			
Ethylbenzene	112	110	80-140	1	30			
2-Hexanone	110	108	51-149	1	30			
Isobutyl Alcohol	111	106	65-146	5	30			
Methacrylonitrile	103	94	58-155	8	30			
Methyl Iodide	109	108	71-137	0	30			
Methyl Methacrylate	95	87	48-152	9	30			
4-Methyl-2-pentanone	113	111	69-149	1	30			
Methylene Chloride	111	110	77-135	1	30			
Pentachloroethane	105	105	68-145	0	30			
Propionitrile	116	107	63-147	8	30			
Styrene	112	110	71-138	2	30			
1,1,1,2-Tetrachloroethane	109	106	87-126	3	30			

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,1,2,2-Tetrachloroethane	106	104	75-131	2	30				
Tetrachloroethene	109	109	75-129	0	30				
Toluene	111	109	83-127	2	30				
1,1,1-Trichloroethane	110	109	85-140	1	30				
1,1,2-Trichloroethane	109	108	85-129	1	30				
Trichloroethene	114	113	85-131	1	30				
Trichlorofluoromethane	126	121	73-139	4	30				
1,2,3-Trichloropropane	110	107	76-120	3	30				
Vinyl Acetate	112	111	27-162	1	30				
Xylene (Total)	111	109	81-137	2	30				

Batch number: I143281AA	Sample number(s): 7677153,7677155	UNSPK: P684185			
Acetone	120	101	57-163	14	30
Allyl Chloride	99	102	61-120	2	30
Benzene	109	106	87-126	3	30
Bromochloromethane	105	107	82-125	1	30
Bromodichloromethane	102	95	82-133	8	30
Bromoform	82	76	60-138	8	30
Bromomethane	102	100	66-130	2	30
2-Butanone	115	100	56-160	14	30
Carbon Disulfide	103	99	84-141	3	30
Carbon Tetrachloride	111	107	81-148	4	30
2-Chloro-1,3-butadiene	106	104	78-128	2	30
Chlorobenzene	111	104	78-133	7	30
Chloroethane	101	99	70-139	3	30
Chloroform	112	107	86-136	5	30
Chloromethane	109	107	49-135	2	30
1,2-Dibromo-3-chloropropane	94	83	53-163	12	30
Dibromochloromethane	101	93	79-125	9	30
1,2-Dibromoethane	112	104	84-127	8	30
Dibromomethane	111	102	83-126	8	30
trans-1,4-Dichloro-2-butene	93	79	11-172	16	30
Dichlorodifluoromethane	117	116	28-136	1	30
1,1-Dichloroethane	108	104	81-126	3	30
1,2-Dichloroethane	112	107	82-135	4	30
1,1-Dichloroethene	113	110	86-132	2	30
cis-1,2-Dichloroethene	109	105	82-129	4	30
trans-1,2-Dichloroethene	114	111	88-127	2	30
1,2-Dichloropropane	112	106	91-126	6	30
cis-1,3-Dichloropropene	100	95	74-132	6	30
trans-1,3-Dichloropropene	99	92	71-128	7	30
Ethyl Methacrylate	104	99	73-134	6	30
Ethylbenzene	112	105	80-140	6	30
2-Hexanone	113	106	51-149	6	30
Isobutyl Alcohol	126	109	65-146	15	30
Methacrylonitrile	108	94	58-155	14	30
Methyl Iodide	105	104	71-137	0	30
Methyl Methacrylate	99	85	48-152	15	30
4-Methyl-2-pentanone	116	109	69-149	6	30
Methylene Chloride	110	106	77-135	3	30
Pentachloroethane	108	104	68-145	4	30
Propionitrile	125	110	63-147	13	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Styrene	112	105	71-138	6	30				
1,1,1,2-Tetrachloroethane	109	101	87-126	8	30				
1,1,2,2-Tetrachloroethane	108	101	75-131	7	30				
Tetrachloroethene	111	106	75-129	4	30				
Toluene	111	104	83-127	6	30				
1,1,1-Trichloroethane	110	107	85-140	2	30				
1,1,2-Trichloroethane	113	103	85-129	8	30				
Trichloroethene	114	109	85-131	4	30				
Trichlorofluoromethane	123	119	73-139	3	30				
1,2,3-Trichloropropane	112	104	76-120	8	30				
Xylene (Total)	111	105	81-137	6	30				
Batch number: L143191AA Sample number(s): 7677154,7677156,7677158,7677163-7677165,7677167,7677169 UNSPK: 7677163									
Acrolein	118	118	39-136	0	30				
Acrylonitrile	73	85	51-125	15	30				
Batch number: 14322WAM026 Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166 UNSPK: 7677159									
1,1'-Biphenyl	89	89	73-114	2	30				
1,4-Dioxane	64	63	48-83	4	30				
Diphenyl ether	87	90	81-105	0	30				
Batch number: 143230636001 Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159									
Barium	99	96	75-125	2	20	0.500	0.506	1	20
Beryllium	101	99	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	97	95	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	101	99	75-125	2	20	0.0063 J	0.0062 J	1 (1)	20
Copper	101	99	75-125	2	20	0.0028 U	0.0028 U	0 (1)	20
Iron	140 (2)	37 (2)	75-125	3	20	31.9	32.1	1	20
Manganese	108	103	75-125	2	20	0.681	0.695	2	20
Nickel	102	101	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	99	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	109	107	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	98	96	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	98	96	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	101	75-125	1	20	0.0024 J	0.0026 J	10 (1)	20
Batch number: 143230639001A Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159									
Antimony	107	112	75-125	5	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	101	103	75-125	2	20	0.00083 J	0.00082 U	200* (1)	20
Cadmium	100	99	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	102	102	75-125	0	20	0.000098 J	0.000089 J	10 (1)	20
Thallium	93	104	75-125	9	20	0.00066 J	0.00064 J	3 (1)	20
Batch number: 143235713005 Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159									
Mercury	74*	74*	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14319987901B Sample number(s): 7677162 UNSPK: P677159 BKG: P677159									
Nitrate Nitrogen	77*		90-110			0.25 U	0.25 U	0 (1)	20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 14326022101A Ammonia Nitrogen	93	100	80-112	1	8	33.2	33.5	1	6
Sample number(s): 7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159									

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Vinyl Chloride
Batch number: E143232AA

Dibromofluoromethane

7677153	102
7677155	102
7677157	100
7677159	102
7677160	102
7677161	103
7677166	102
7677168	102
Blank	104
LCS	102
MS	102
MSD	103

Limits: 80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143261AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

7677157	100	103	99	96
7677159	101	104	99	97
7677160	100	102	100	99
7677161	101	105	99	99
7677166	99	104	99	97
7677168	100	104	99	97
Blank	99	103	99	96
LCS	100	101	99	98
MS	100	102	100	99
MSD	101	105	99	99

Limits: 77-114 74-113 77-110 78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: I143281AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

7677153	100	104	99	95
7677155	101	106	99	96
Blank	100	107	99	96
LCS	100	104	100	99

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Reported: 11/26/14 at 06:49 PM

Group Number: 1518889

Surrogate Quality Control

LCSD	99	105	100	98
MS	99	102	100	98
MSD	100	104	100	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: L143191AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677154	100	103	104	90
7677156	100	100	104	89
7677158	98	100	104	90
7677163	100	101	104	90
7677164	95	99	105	96
7677165	96	100	105	96
7677167	98	101	104	91
7677169	98	100	104	90
Blank	99	100	104	90
LCS	95	101	106	97
LCSD	96	102	105	96
MS	95	99	105	96
MSD	96	100	105	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14322WAM026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7677153	85	85	97
7677155	82	82	96
7677157	83	79	86
7677159	85	82	95
7677160	89	86	96
7677161	89	87	96
7677166	80	78	95
Blank	88	88	100
LCS	91	87	97
MS	89	86	96
MSD	89	87	96
Limits:	60-123	67-116	40-147

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1518889 Sample Nos.: 7677153-6A
 Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23639 **30586**
 Cooler Temperature upon receipt: 0.1-2.0 °C Container No.: 2

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required												Comments:		
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379				GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)												Comments:		
Facility Address: DuPont Brevard				Job No.: 9267-7720100CWH06504646																Comments:		
1300 Staton Road				Release No.:																3 day holding time for acrolein and acrylonitrile		
Cedar Mountain NC 28718				PO Number: LBIO-67047																		
Sampler(s): <i>W. Parker, K. Teague</i>																						
Project Name: GW 2014																						
Sample Identification				Date Collected	Time Collected	Matrix	Containers															Groundwater
				Volume (ml)	Preserv	No.																
SSP14-GW-MW-219A				<i>11/13/14</i>	<i>1200</i>	<i>WW</i>	40	HCl	5	X		X										<i>Intact</i>
SSP14-GW-MW-219A-A				<i>11/13/14</i>	<i>1200</i>	<i>WW</i>	40	None	3		X											
SSP14-GW-MW-219B				<i>11/13/14</i>	<i>1040</i>	<i>WW</i>	40	HCl	5	X		X										
SSP14-GW-MW-219B-A				<i>11/13/14</i>	<i>1040</i>	<i>WW</i>	40	None	3		X											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time															
Bottles Relinquished by:				Date	Time	Bottles Received by:				Date:	Time:											
<i>K. Teague</i>				<i>11/13/14</i>	<i>1800</i>																	
Bottles Relinquished by:				Date	Time	Bottles Received by:				Date:	Time:											

Bottles Relinquished by:				Date	Time	Bottles Received by:				Date:	Time:											

Bottles Relinquished by:				Date	Time	Bottles Received by:				Date:	Time:											
						<i>MLL</i>				<i>11/14/14</i>	<i>1847</i>											



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1518889

Sample Nos.: 7077153-69

Acc't: 06643

SF: 218684

SCR No.: 163612

Cooler No.: C18383

30573

Cooler Temperature upon receipt: 0.1-2.0 °C

Container No.: 1

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required												Comments: GW Condition upon receipt: <u>Intact</u>								
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379																								
Facility Address: DuPont Brevard				Job No.: 9267-7720100CWH06504646																								
1300 Staton Road				Release No.:																								
Cedar Mountain NC 28718				PO Number: LBIO-67047																								
Sampler(s): <u>K. League, W. Parker</u>				Project Name: GW 2014																								
Sample Identification				Date Collected	Time Collected	Matrix	Containers			Biphenyl & Diphenyl Ether (8270D)	APPX Metals+Fe,Mn (6010/6020/7470A)																	
				Volume (ml)	Preserv		No.																					
SSP14-GW-MW-219A				<u>11/13/14</u>	<u>1200</u>	WW	250	HNO3	1	X																		
SSP14-GW-MW-219A				<u>11/13/14</u>	<u>1200</u>	WW	250	None	2	X																		
SSP14-GW-MW-219B				<u>11/13/14</u>	<u>1040</u>	WW	250	HNO3	1	X																		
SSP14-GW-MW-219B				<u>11/13/14</u>	<u>1040</u>	WW	250	None	2	X																		
Turnaround Time Requested (please circle):				<u>Standard</u>				RUSH Number of days: <u>8</u>				Special Instructions:																
Bottles Relinquished by: <u>K. League</u>				Date	<u>11/13/14</u>	Time	<u>1800</u>	Bottles Received by:				Date:				Time:												
Bottles Relinquished by:				Date		Time		Bottles Received by:				Date:				Time:												
Bottles Relinquished by:				Date		Time		Bottles Received by:				Date:				Time:												
Bottles Relinquished by:				Date		Time		Bottles Received by: <u>Ant G</u>				Date: <u>11/14/14</u>				Time: <u>1847</u>												

Client: DuPont

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 11/14/2014 18:47
 Number of Packages: 2 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4-HCl, 2- Unpreserved

Unpacked by Patrick Engle (3472) at 19:43 on 11/14/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	2.0	DT	Wet	Y	Loose	N
2	8013596-IR	0.1	IR	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
SSP14-GW-R87-S5-A	SSP14-GW-R87-S5	Received 4-40mL unpreserved vials with discrepancy.
SSP14-GW-R87-S4	SSP14-GW-MW-304A	
SSP14-GW-R87-S4-A	SSP14-GW-MW-302A-A	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
AECOM
Sabre Building
4051 Ogletown Road, Suite 300
Newark DE 19713

February 24, 2015

Project: BRE - GW

Submittal Date: 02/11/2015

Group Number: 1537737

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-112A Groundwater
SSP14-GW-MW-112A MS Groundwater
SSP14-GW-MW-112A MSD Groundwater
SSP14-GW-MW-112A Dupl Groundwater
SSP14-GW-MW-112A-A Groundwater
SSP14-GW-MW-112A-A MS Groundwater
SSP14-GW-MW-112A-A MSD Groundwater
EB-021015 Blank Water
EB-021015-A Blank Water
TB-021015 Blank Water
TB-021015-A Blank Water

Lancaster Labs (LL)

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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-112A Groundwater
GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A Groundwater
GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
Metals						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0839	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0053 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0012 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	4.15	0.0334	0.400	1
07058	Manganese	7439-96-5	0.159	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0059 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0157 J	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0013 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0032	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000050 U	0.000050	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/19/2015 00:02	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 12:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:09	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A Groundwater
GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/19/2015 00:02	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:14	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MS Groundwater
GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	33	3.0	5.0	1
02898	Acetonitrile	75-05-8	44	7.0	20	1
02898	Allyl Chloride	107-05-1	4.6	0.1	0.5	1
02898	Benzene	71-43-2	4.7	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.2	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	33	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	4.2	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.6	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	4.9	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	4.9	0.1	0.5	1
02898	Chloroform	67-66-3	5.0	0.1	0.5	1
02898	Chloromethane	74-87-3	4.9	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.2	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.3	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.2	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	22	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.8	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.1	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.8	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	4.9	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.9	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.2	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.9	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.3	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	120	10	25	1
02898	Methacrylonitrile	126-98-7	34	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.5	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.4	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.1	0.2	0.5	1
02898	Propionitrile	107-12-0	36	2.0	10	1
02898	Styrene	100-42-5	5.7	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.9	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.2	0.1	0.5	1
02898	Toluene	108-88-3	5.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.0	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.2	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.9	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MS Groundwater
GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.4	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	13	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.53	0.010	0.050	1
Metals						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.19	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0521	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.218	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.538	0.0010	0.0100	1
07053	Copper	7440-50-8	0.268	0.0028	0.0200	1
01754	Iron	7439-89-6	6.99	0.0334	0.400	1
07058	Manganese	7439-96-5	0.730	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.535	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.160	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0557	0.0018	0.0100	1
07069	Tin	7440-31-5	4.26	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.542	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.551	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0047	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0108	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0055	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0179	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0011	0.000050	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/19/2015 00:25	Sara E Johnson	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/19/2015 01:10	Sara E Johnson	1
	purge						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MS Groundwater
GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 12:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/19/2015 00:25	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C150492AA	02/19/2015 01:10	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/24/2015 06:21	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:23	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MSD Groundwater
GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	33	3.0	5.0	1
02898	Acetonitrile	75-05-8	51	7.0	20	1
02898	Allyl Chloride	107-05-1	4.6	0.1	0.5	1
02898	Benzene	71-43-2	4.7	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.9	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.2	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	33	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	4.3	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.4	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	4.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.0	0.1	0.5	1
02898	Chloromethane	74-87-3	5.0	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.3	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	21	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.1	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.9	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	4.9	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.9	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.4	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	120	10	25	1
02898	Methacrylonitrile	126-98-7	34	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.5	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.4	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.0	0.2	0.5	1
02898	Propionitrile	107-12-0	35	2.0	10	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.9	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.2	0.1	0.5	1
02898	Toluene	108-88-3	5.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.0	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.2	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.9	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MSD Groundwater
GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.4	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.52	0.010	0.050	1
Metals						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.16	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0510	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.213	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.532	0.0010	0.0100	1
07053	Copper	7440-50-8	0.263	0.0028	0.0200	1
01754	Iron	7439-89-6	5.14	0.0334	0.400	1
07058	Manganese	7439-96-5	0.643	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.531	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.158	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0551	0.0018	0.0100	1
07069	Tin	7440-31-5	4.22	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.536	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.538	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0048	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0105	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0053	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0180	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0012	0.000050	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/19/2015 00:47	Sara E Johnson	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/19/2015 01:32	Sara E Johnson	1
	purge						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A MSD Groundwater
GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 12:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/19/2015 00:47	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C150492AA	02/19/2015 01:32	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/24/2015 06:23	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:25	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A Dupl Groundwater
GW 2014

LL Sample # WW 7768567
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0840	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0048 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0032 J	0.0028	0.0200	1
01754	Iron	7439-89-6	4.11	0.0334	0.400	1
07058	Manganese	7439-96-5	0.159	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0059 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0156 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0013 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0032	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00017 J	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000050 U	0.000050	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A Dupl Groundwater
GW 2014

LL Sample # WW 7768567
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

B112A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:21	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A-A Groundwater
GW 2014

LL Sample # WW 7768568
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

A112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/13/2015 01:26	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 01:26	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A-A MS Groundwater
GW 2014

LL Sample # WW 7768569
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

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A112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	72	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/13/2015 01:47	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 01:47	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112A-A MSD Groundwater
GW 2014

LL Sample # WW 7768570
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

CRG-E.I.DuPont de Nemours & Co
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Submitted: 02/11/2015 10:00

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Reported: 02/24/2015 13:10

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A112A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	74	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/13/2015 02:08	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 02:08	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-021015 Blank Water
GW 2014

LL Sample # WW 7768571
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

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Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

112EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-021015 Blank Water**
GW 2014

LL Sample # **WW 7768571**
LL Group # **1537737**
Account # **06643**

Project Name: **BRE - GW**

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

112EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL						
purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	ug/l	ug/l	1
02898	Vinyl Acetate	108-05-4	0.2 U	ug/l	ug/l	1
02898	Xylene (Total)	1330-20-7	0.1 U	ug/l	ug/l	1
GC/MS Volatiles SW-846 8260B SIM						
06008	Vinyl Chloride	75-01-4	0.010 U	ug/l	ug/l	1
Metals SW-846 6010C						
07046	Barium	7440-39-3	0.00052 J	mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.00067 U	mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0013 U	mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0010 U	mg/l	mg/l	1
07053	Copper	7440-50-8	0.0028 U	mg/l	mg/l	1
01754	Iron	7439-89-6	0.0334 U	mg/l	mg/l	1
07058	Manganese	7439-96-5	0.00083 U	mg/l	mg/l	1
07061	Nickel	7440-02-0	0.0016 U	mg/l	mg/l	1
07036	Selenium	7782-49-2	0.0048 U	mg/l	mg/l	1
07066	Silver	7440-22-4	0.0018 U	mg/l	mg/l	1
07069	Tin	7440-31-5	0.0037 J	mg/l	mg/l	1
07071	Vanadium	7440-62-2	0.0019 U	mg/l	mg/l	1
07072	Zinc	7440-66-6	0.0023 J	mg/l	mg/l	1
SW-846 6020A						
06024	Antimony	7440-36-0	0.00033 U	mg/l	mg/l	1
06025	Arsenic	7440-38-2	0.00082 U	mg/l	mg/l	1
06028	Cadmium	7440-43-9	0.00017 U	mg/l	mg/l	1
06035	Lead	7439-92-1	0.000082 U	mg/l	mg/l	1
06045	Thallium	7440-28-0	0.00015 U	mg/l	mg/l	1
SW-846 7470A						
00259	Mercury	7439-97-6	0.000050 U	mg/l	mg/l	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/18/2015 23:18	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 13:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 13:10	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-021015 Blank Water**
GW 2014

LL Sample # **WW 7768571**
LL Group # **1537737**
Account # **06643**

Project Name: **BRE - GW**

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

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Newark DE 19713

112EB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/18/2015	23:18	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015	23:34	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015	23:36	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015	23:36	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015	23:36	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015	23:36	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015	23:36	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015	08:37	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015	07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015	10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015	23:15	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-021015-A Blank Water**
GW 2014

LL Sample # **WW 7768572**
LL Group # **1537737**
Account # **06643**

Project Name: **BRE - GW**

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

A112E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/13/2015 02:29	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 02:29	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-021015 Blank Water
GW 2014

LL Sample # WW 7768573
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

TR112

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-021015 Blank Water
GW 2014

LL Sample # WW 7768573
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

TR112

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C150492AA	02/18/2015 23:40	Sara E Johnson	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 13:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 13:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/18/2015 23:40	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-021015-A Blank Water
GW 2014

LL Sample # WW 7768574
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

CRG-E.I.DuPont de Nemours & Co
AECOM

Submitted: 02/11/2015 10:00

Sabre Building

Reported: 02/24/2015 13:10

4051 Ogletown Road, Suite 300
Newark DE 19713

AT112

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y150433AA	02/12/2015 23:20	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/12/2015 23:20	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/24/15 at 01:10 PM

Group Number: 1537737

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C150492AA	Sample number(s): 7768564-7768566, 7768571, 7768573								
Acetone	3.0	U	3.0	5.0	ug/l	77	66-132		
Acetonitrile	7.0	U	7.0	20	ug/l	130	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	87	73-124		
Benzene	0.1	U	0.1	0.5	ug/l	87	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	93	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	96	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	107	64-134		
Bromomethane	0.1	U	0.1	0.5	ug/l	89	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	81	75-128		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	79	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	94	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	86	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	93	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	84	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	91	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	83	55-125		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	88	72-136		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	103	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	101	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	98	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	72	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	80	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	86	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	96	80-125		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	87	80-120		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	89	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	88	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	93	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	96	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	102	77-126		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	100	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	94	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	100	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	90	79-127		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	82	77-132		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	84	79-120		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	82	74-125		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	104	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	85	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100	80-123		
Propionitrile	2.0	U	2.0	10	ug/l	84	76-135		
Styrene	0.1	U	0.1	0.5	ug/l	103	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	98	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/24/15 at 01:10 PM

Group Number: 1537737

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	90		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	91		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	91		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	92		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	94		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	105		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	105		18-200		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	97		80-120		

Batch number: E150481AA Sample number(s): 7768564-7768566,7768571,7768573
Vinyl Chloride 0.010 U 0.010 0.050 ug/l 109 80-120

Batch number: Y150433AA Sample number(s): 7768568-7768570,7768572,7768574
Acrolein 40 U 40. 100 ug/l 84 59-120
Acrylonitrile 4 U 4. 20 ug/l 78 62-120

Batch number: 150435713003 Sample number(s): 7768564-7768567,7768571
Mercury 0.000050 0.00005 0.00020 mg/l 112 80-120
U 0

Batch number: 150490636001 Sample number(s): 7768564-7768567,7768571
Barium 0.00033 U 0.00033 0.0100 mg/l 102 80-120
Beryllium 0.00067 U 0.00067 0.0100 mg/l 100 80-120
Chromium 0.0013 U 0.0013 0.0300 mg/l 103 80-120
Cobalt 0.0010 U 0.0010 0.0100 mg/l 105 80-120
Copper 0.0028 U 0.0028 0.0200 mg/l 104 80-120
Iron 0.0334 U 0.0334 0.400 mg/l 102 80-120
Manganese 0.00083 U 0.00083 0.0100 mg/l 103 80-120
Nickel 0.0016 U 0.0016 0.0200 mg/l 105 80-120
Selenium 0.0048 U 0.0048 0.0400 mg/l 101 80-120
Silver 0.0018 U 0.0018 0.0100 mg/l 110 80-120
Tin 0.0024 U 0.0024 0.0400 mg/l 105 80-120
Vanadium 0.0019 U 0.0019 0.0100 mg/l 105 80-120
Zinc 0.0020 U 0.0020 0.0400 mg/l 104 80-120

Batch number: 150490639002A Sample number(s): 7768564-7768567,7768571
Antimony 0.00033 U 0.00033 0.0020 mg/l 104 80-120
Arsenic 0.00082 U 0.00082 0.0040 mg/l 109 80-120
Cadmium 0.00017 U 0.00017 0.0010 mg/l 112 80-120
Lead 0.000082 0.00008 0.0020 mg/l 105 80-120
U 2
Thallium 0.00015 U 0.00015 0.0010 mg/l 111 80-120

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
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Batch number: C150492AA Sample number(s): 7768564-7768566,7768571,7768573 UNSPK: 7768564

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/24/15 at 01:10 PM

Group Number: 1537737

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Acetone	89	87	57-163	2	30				
Acetonitrile	117	136*	77-129	15	30				
Allyl Chloride	93	92	61-120	0	30				
Benzene	93	93	87-126	0	30				
Bromochloromethane	96	99	82-125	3	30				
Bromodichloromethane	104	104	82-133	0	30				
Bromoform	111	110	60-138	1	30				
Bromomethane	105	105	66-130	0	30				
2-Butanone	88	87	56-160	2	30				
Carbon Disulfide	84	85	84-141	1	30				
Carbon Tetrachloride	111	108	81-148	3	30				
2-Chloro-1,3-butadiene	97	97	78-128	0	30				
Chlorobenzene	102	101	78-133	1	30				
Chloroethane	97	100	70-139	3	30				
Chloroform	100	100	86-136	1	30				
Chloromethane	97	101	49-135	4	30				
1,2-Dibromo-3-chloropropane	103	99	53-163	5	30				
Dibromochloromethane	110	108	79-125	2	30				
1,2-Dibromoethane	105	106	84-127	0	30				
Dibromomethane	104	101	83-126	2	30				
trans-1,4-Dichloro-2-butene	88	84	11-172	5	30				
Dichlorodifluoromethane	116	105	28-136	10	30				
1,1-Dichloroethane	91	92	81-126	1	30				
1,2-Dichloroethane	102	102	82-135	0	30				
1,1-Dichloroethene	97	98	86-132	0	30				
cis-1,2-Dichloroethene	97	97	82-129	1	30				
trans-1,2-Dichloroethene	98	97	88-127	0	30				
1,2-Dichloropropane	98	98	91-126	0	30				
cis-1,3-Dichloropropene	99	101	74-132	2	30				
trans-1,3-Dichloropropene	105	107	71-128	2	30				
Ethyl Methacrylate	99	100	73-134	1	30				
Ethylbenzene	105	104	80-140	1	30				
2-Hexanone	99	99	51-149	0	30				
Isobutyl Alcohol	95	97	65-146	2	30				
Methacrylonitrile	90	90	58-155	0	30				
Methyl Iodide	91	91	71-137	0	30				
Methyl Methacrylate	89	88	48-152	1	30				
4-Methyl-2-pentanone	102	102	69-149	1	30				
Methylene Chloride	91	91	77-135	0	30				
Pentachloroethane	103	101	68-145	2	30				
Propionitrile	95	93	63-147	2	30				
Styrene	114	112	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	107	87-126	1	30				
1,1,2,2-Tetrachloroethane	98	98	75-131	0	30				
Tetrachloroethene	104	103	75-129	1	30				
Toluene	100	100	83-127	0	30				
1,1,1-Trichloroethane	104	104	85-140	0	30				
1,1,2-Trichloroethane	100	101	85-129	1	30				
Trichloroethene	104	105	85-131	1	30				
Trichlorofluoromethane	117	119	73-139	2	30				
1,2,3-Trichloropropane	108	107	76-120	1	30				
Vinyl Acetate	101	98	27-162	3	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/24/15 at 01:10 PM

Group Number: 1537737

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Xylene (Total)	108	107	81-137	1	30			
Batch number: E150481AA	Sample number(s): 7768564-7768566,7768571,7768573 UNSPK: 7768564							
Vinyl Chloride	105	104	70-130	1	30			
Batch number: Y150433AA	Sample number(s): 7768568-7768570,7768572,7768574 UNSPK: 7768568							
Acrolein	80	82	39-136	3	30			
Acrylonitrile	72	74	51-125	3	30			
Batch number: 150435713003	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564							
Mercury	115	116	80-120	1	20	0.000050 U	0.000050 U	0 (1) 20
Batch number: 150490636001	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564							
Barium	105	104	75-125	2	20	0.0839	0.0840	0 20
Beryllium	104	102	75-125	2	20	0.00067 U	0.00067 U	0 (1) 20
Chromium	106	104	75-125	2	20	0.0053 J	0.0048 J	9 (1) 20
Cobalt	107	106	75-125	1	20	0.0012 J	0.0010 U	200* (1) 20
Copper	107	105	75-125	2	20	0.0028 U	0.0032 J	200* (1) 20
Iron	284 (2)	98 (2)	75-125	31*	20	4.15	4.11	1 20
Manganese	114	97	75-125	13	20	0.159	0.159	0 20
Nickel	107	106	75-125	1	20	0.0016 U	0.0016 U	0 (1) 20
Selenium	107	106	75-125	1	20	0.0048 U	0.0048 U	0 (1) 20
Silver	111	110	75-125	1	20	0.0018 U	0.0018 U	0 (1) 20
Tin	106	106	75-125	1	20	0.0024 U	0.0024 U	0 (1) 20
Vanadium	107	106	75-125	1	20	0.0059 J	0.0059 J	0 (1) 20
Zinc	107	104	75-125	2	20	0.0157 J	0.0156 J	1 (1) 20
Batch number: 150490639002A	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564							
Antimony	79	79	75-125	1	20	0.00033 U	0.00033 U	0 (1) 20
Arsenic	95	91	75-125	3	20	0.0013 J	0.0013 J	1 (1) 20
Cadmium	110	107	75-125	3	20	0.00017 U	0.00017 U	0 (1) 20
Lead	98	98	75-125	1	20	0.0032	0.0032	0 (1) 20
Thallium	103	105	75-125	1	20	0.00015 U	0.00017 J	200* (1) 20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C150492AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768564	107	102	97	97
7768565	105	103	101	105
7768566	104	101	100	104
7768571	106	104	97	97
7768573	107	103	98	97
Blank	105	104	97	98
LCS	102	100	99	102

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 02/24/15 at 01:10 PM

Group Number: 1537737

Surrogate Quality Control

MS	105	103	101	105
MSD	104	101	100	104
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E150481AA
Dibromofluoromethane

7768564	100			
7768565	100			
7768566	100			
7768571	101			
7768573	98			
Blank	100			
LCS	99			
MS	100			
MSD	100			
Limits:	80-120			

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y150433AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768568	110	103	97	94
7768569	108	104	99	99
7768570	107	106	99	98
7768572	108	101	97	95
7768574	108	103	98	97
Blank	107	102	98	96
LCS	106	103	99	98
MS	108	104	99	99
MSD	107	106	99	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

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- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1537737 Sample Nos.: 7768564-74
Acc't: 06643 SF: 227103 SCR No.: 167200 Cooler No.: C24701 **31245**
Cooler Temperature upon receipt: 0.2 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:																																																																																				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			<table border="1"> <tr><td>GC/MS VOAs (25 ml purge 8260)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Acrolein / Acrylonitrile (8260)*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Vinyl Chloride (8260 SIM)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>APPIX Metals+Fe,Mn (6010/6020/7470A)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										GC/MS VOAs (25 ml purge 8260)																					Acrolein / Acrylonitrile (8260)*																					Vinyl Chloride (8260 SIM)																					APPIX Metals+Fe,Mn (6010/6020/7470A)																					3 day holding time for acrolein and acrylonitrile
GC/MS VOAs (25 ml purge 8260)																																																																																																			
Acrolein / Acrylonitrile (8260)*																																																																																																			
Vinyl Chloride (8260 SIM)																																																																																																			
APPIX Metals+Fe,Mn (6010/6020/7470A)																																																																																																			
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646																																																																																																	
1300 Staton Road		Release No.:																																																																																																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																																																																																																	
Sampler(s): <u>K. Street & H. Lipani</u>																																																																																																			
Project Name: GW 2014																																																																																																			
Sample Identification	Date Collected	Time Collected	Matrix	Containers			GC/MS VOAs (25 ml purge 8260)	Acrolein / Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	APPIX Metals+Fe,Mn (6010/6020/7470A)											Condition upon receipt:																																																																														
				Volume (ml)	Preserv	No.																																																																																													
SSP14-GW-MW-112A	<u>2/10/15</u>	<u>1145</u>	WW	250	HNO3	1			X													<u>Intact</u>																																																																													
SSP14-GW-MW-112A		<u>1145</u>	WW	40	HCl	5	X		X																																																																																										
SSP14-GW-MW-112A		<u>1145</u>	WW	250	HNO3	1			X													MS																																																																													
SSP14-GW-MW-112A		<u>1145</u>	WW	40	HCl	5	X		X													MS																																																																													
SSP14-GW-MW-112A		<u>1145</u>	WW	250	HNO3	1			X													MSD																																																																													
SSP14-GW-MW-112A		<u>1145</u>	WW	40	HCl	5	X		X													MSD																																																																													
SSP14-GW-MW-112A-A		<u>1145</u>	WW	40	None	3		X																																																																																											
SSP14-GW-MW-112A-A		<u>1145</u>	WW	40	None	3		X														MS																																																																													
SSP14-GW-MW-112A-A		<u>1145</u>	WW	40	None	3		X														MSD																																																																													
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time																																																																																												
Bottles Relinquished by: <u>K. Street</u>		Date: <u>2-5-15</u>	Time: <u>1455</u>	Bottles Received by: <u>Hannah Lipani</u>		Date: <u>2/10/15</u>	Time: <u>1000</u>																																																																																												
Bottles Relinquished by: <u>Hannah Lipani</u>		Date: <u>2/10/15</u>	Time: <u>1600</u>	Bottles Received by:		Date:	Time:																																																																																												
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:																																																																																												
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>C. Smith</u>		Date: <u>2/11/15</u>	Time: <u>1000</u>																																																																																												

Client: DUPONT BREVARD

GW 2014

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>02/11/2015 10:00</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): HCL 4, UNPRE 2

Unpacked by Corey Eshleman (3647) at 11:42 on 02/11/2015

Samples Chilled Details: GW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.2	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 30, 2014

Project: BRE - GW

Submittal Date: 12/17/2014

Group Number: 1526301

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-108 Groundwater
SSP14-GW-MW-207B-D Groundwater
SSP14-GW-MW-207B Groundwater

Lancaster Labs (LL) #

7715297
7715298
7715299

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-108 Groundwater
GW 2014

LL Sample # WW 7715297
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

108--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0130	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	4.72	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00034 J	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00030 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00018 J	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.77	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997	mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-108 Groundwater
GW 2014

LL Sample # WW 7715297
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

108--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:09	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:14	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:35	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4 modified	SW-846 3010A	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4 modified	SW-846 3010A	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1
00368	Nitrate Nitrogen	EPA 300.0	1	14351347902C	12/17/2014 23:47	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207BD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207BD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	Isodrin	465-73-6	0.5 U	0.5	1	1	
10461	Isophorone	78-59-1	0.5 U	0.5	1	1	
10461	Isosafrole	120-58-1	2 U	2	5	1	
10461	Methapyrilene	91-80-5	15 U	15	51	1	
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1	
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1	
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1	
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1	
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	1,4-Naphthoquinone	130-15-4	25 U	25	61	1	
10461	1-Naphthylamine	134-32-7	5 U	5	15	1	
10461	2-Naphthylamine	91-59-8	5 U	5	15	1	
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1	
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1	
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1	
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1	
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1	
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1	
10461	4-Nitrophenol	100-02-7	10 U	10	30	1	
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	61	1	
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1	
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1	
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1	
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1	
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1	
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1	
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1	
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1	
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1	
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1	
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1	
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1	
10461	Pentachlorophenol	87-86-5	1 U	1	5	1	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1	
10461	Phenol	108-95-2	0.5 U	0.5	1	1	
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1	
10461	2-Picoline	109-06-8	2 U	2	5	1	
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1	
10461	Pyridine	110-86-1	2 U	2	5	1	
10461	Safrole	94-59-7	2 U	2	5	1	
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1	
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1	
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	5	1	

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207BD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.051	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0173	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0290	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1

	SW-846 6020A	mg/l	mg/l	mg/l		
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207BD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1
Wet Chemistry						
00368	Nitrate Nitrogen	EPA 300.0 14797-55-8	mg/l 0.25 U	mg/l 0.25	mg/l 0.50	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997 7664-41-7	mg/l 0.20 U	mg/l 0.20	mg/l 0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 20:24	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 23:05	Catherine E Bachman	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207BD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:37	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1
00368	Nitrate Nitrogen	EPA 300.0	1	14351347902C	12/18/2014 00:35	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

207B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6	U	0.6	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	1
10461	4-Aminobiphenyl	92-67-1	0.6	U	0.6	1
10461	Aniline	62-53-3	0.6	U	0.6	1
10461	Benzyl alcohol	100-51-6	11	U	11	33
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6
10461	Di-n-butylphthalate	84-74-2	2	U	2	6
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1
10461	Chlorobenzilate	510-15-6	3	U	3	11
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.6	U	0.6	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1
10461	Diallate trans/cis	2303-16-4	1	U	1	6
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1
10461	1,2-Dichlorobenzene	95-50-1	0.6	U	0.6	1
10461	1,3-Dichlorobenzene	541-73-1	0.6	U	0.6	1
10461	1,4-Dichlorobenzene	106-46-7	0.6	U	0.6	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1
10461	2,6-Dichlorophenol	87-65-0	0.6	U	0.6	1
10461	Diethylphthalate	84-66-2	2	U	2	6
10461	Dimethoate	60-51-5	3	U	3	11
10461	p-Dimethylaminoazobenzene	60-11-7	0.6	U	0.6	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6	U	0.6	1
10461	3,3'-Dimethylbenzidine	119-93-7	28	U	28	84
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1
10461	Dimethylphthalate	131-11-3	2	U	2	6
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17
10461	1,3-Dinitrobenzene	99-65-0	2	U	2	6
10461	2,4-Dinitrophenol	51-28-5	11	U	11	33
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1
10461	1,4-Dioxane	123-91-1	1	U	1	6
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17
10461	Hexachloroethane	67-72-1	1	U	1	6
10461	Hexachloropropene	1888-71-7	2	U	2	6

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	Isodrin	465-73-6	0.6 U	0.6	1	1	
10461	Isophorone	78-59-1	0.6 U	0.6	1	1	
10461	Isosafrole	120-58-1	2 U	2	6	1	
10461	Methapyrilene	91-80-5	17 U	17	56	1	
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1 U	1	6	1	
10461	3-Methylcholanthrene	56-49-5	0.6 U	0.6	1	1	
10461	2-Methylphenol	95-48-7	0.6 U	0.6	1	1	
10461	4-Methylphenol	106-44-5	0.6 U	0.6	1	1	
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	1,4-Naphthoquinone	130-15-4	28 U	28	67	1	
10461	1-Naphthylamine	134-32-7	6 U	6	17	1	
10461	2-Naphthylamine	91-59-8	6 U	6	17	1	
10461	2-Nitroaniline	88-74-4	0.6 U	0.6	1	1	
10461	3-Nitroaniline	99-09-2	0.6 U	0.6	1	1	
10461	4-Nitroaniline	100-01-6	0.6 U	0.6	1	1	
10461	Nitrobenzene	98-95-3	0.6 U	0.6	1	1	
10461	5-Nitro-o-toluidine	99-55-8	0.6 U	0.6	1	1	
10461	2-Nitrophenol	88-75-5	0.6 U	0.6	1	1	
10461	4-Nitrophenol	100-02-7	11 U	11	33	1	
10461	4-Nitroquinoline-1-oxide	56-57-5	22 U	22	67	1	
10461	N-Nitrosodiethylamine	55-18-5	0.6 U	0.6	1	1	
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	6	1	
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	6	1	
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6 U	0.6	1	1	
10461	N-Nitrosodiphenylamine	86-30-6	0.6 U	0.6	1	1	
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	6	1	
10461	N-Nitrosomorpholine	59-89-2	2 U	2	6	1	
10461	N-Nitrosopiperidine	100-75-4	0.6 U	0.6	1	1	
10461	N-Nitrosopyrrolidine	930-55-2	0.6 U	0.6	1	1	
10461	Di-n-octylphthalate	117-84-0	2 U	2	6	1	
10461	Pentachlorobenzene	608-93-5	0.6 U	0.6	1	1	
10461	Pentachloronitrobenzene	82-68-8	2 U	2	6	1	
10461	Pentachlorophenol	87-86-5	1 U	1	6	1	
10461	Phenacetin	62-44-2	0.6 U	0.6	1	1	
10461	Phenol	108-95-2	0.6 U	0.6	1	1	
10461	1,4-Phenylenediamine	106-50-3	84 U	84	330	1	
10461	2-Picoline	109-06-8	2 U	2	6	1	
10461	Pronamide	23950-58-5	0.6 U	0.6	1	1	
10461	Pyridine	110-86-1	2 U	2	6	1	
10461	Safrole	94-59-7	2 U	2	6	1	
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U	0.6	1	1	
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U	0.6	1	1	
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	6	1	

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Thionazin	297-97-2	2 U		2	6	1
10461	o-Toluidine	95-53-4	0.6 U		0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U		0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U		0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U		0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U		6	17	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.056	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.056	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.056	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.056	1
12971	Fluoranthene	206-44-0	0.014 J		0.011	0.056	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.056	1
12971	Naphthalene	91-20-3	0.033 U		0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033 U		0.033	0.067	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.056	1

Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0181		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0309		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0021 J		0.0020	0.0400	1

		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

207B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1
Wet Chemistry						
00368	Nitrate Nitrogen	EPA 300.0 14797-55-8	mg/l 0.25 U	mg/l 0.25	mg/l 0.50	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997 7664-41-7	mg/l 0.20 U	mg/l 0.20	mg/l 0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 20:53	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 23:33	Catherine E Bachman	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/17/2014 10:00

Reported: 12/30/2014 13:38

207B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:39	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1
00368	Nitrate Nitrogen	EPA 300.0	1	14351347902C	12/18/2014 00:52	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14352WAO026	Sample number(s): 7715298-7715299								
Acetophenone	0.5	U	0.5	1	ug/l	94	78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	111	78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	59	34-95		
Aniline	0.5	U	0.5	1	ug/l	57	34-97		
Benzyl alcohol	10	U	10.	30	ug/l	82	58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	94	56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	100	82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	102	73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	95	80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	79	78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	62	44-114		
Chlorobenzilate	3	U	3.	10	ug/l	84	38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	95	77-115		
bis(2-Chloroethyl) ether	0.5	U	0.5	1	ug/l	93	78-112		
bis(2-Chloroisopropyl) ether	0.5	U	0.5	1	ug/l	91	54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	99	66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	80	76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	97	78-119		
Diallate trans/cis	1	U	1.	5	ug/l	104	80-126		
Dibenzofuran	0.5	U	0.5	1	ug/l	97	81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	88	62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	83	57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	85	60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	85	39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	84	84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	87	83-121		
Diethylphthalate	2	U	2.	5	ug/l	82	70-118		
Dimethoate	3	U	3.	10	ug/l	37	10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	86	76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	27	10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	91	58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	86	75-110		
Dimethylphthalate	2	U	2.	5	ug/l	62	43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	92	63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	92	80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	68	39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	96	84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	99	81-124		
1,4-Dioxane	1	U	1.	5	ug/l	72	39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	96	77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	94	77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	107	78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	98	80-119		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	42		18-130		
Hexachloroethane	1 U	1.	5	ug/l	71		55-109		
Hexachloropropene	2 U	2.	5	ug/l	70		47-121		
Isodrin	0.5 U	0.5	1	ug/l	106		83-119		
Isophorone	0.5 U	0.5	1	ug/l	99		81-124		
Isosafrole	2 U	2.	5	ug/l	101		68-150		
Methapyrilene	15 U	15.	50	ug/l	104		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	85		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	101		84-117		
2-Methylphenol	0.5 U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	78		56-109		
1,4-Naphthoquinone	25 U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	39		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	44		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	68		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	73		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	81		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	96		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	89		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	64		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	79		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	92		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	84		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	96		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	72		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	94		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	91		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	84		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	95		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	89		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	103		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	100		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	102		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	85		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	91		81-120		
Phenol	0.5 U	0.5	1	ug/l	53		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	77		57-110		
Pronamide	0.5 U	0.5	1	ug/l	96		78-125		
Pyridine	2 U	2.	5	ug/l	66		22-96		
Safrole	2 U	2.	5	ug/l	94		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	95		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	88		76-128		
Tetraethyldithiopyrophosphate	1 U	1.	5	ug/l	93		75-114		
Thionazin	2 U	2.	5	ug/l	93		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	49		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	92		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	82		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	86		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	101		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	38		12-129		
Batch number: 14352WAP026	Sample number(s): 7715298-7715299								
Acenaphthene	0.010 U	0.010	0.050	ug/l	105	103	82-126	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthylene	0.010 U	0.010	0.050	ug/l	109	108	72-124	1	30
Anthracene	0.010 U	0.010	0.050	ug/l	111	108	83-125	3	30
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	107	107	79-122	0	30
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	103	106	72-126	3	30
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	116	120	79-136	3	30
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	74	96	59-137	26	30
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	103	108	72-129	4	30
Chrysene	0.010 U	0.010	0.050	ug/l	111	110	77-122	1	30
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	66	100	42-143	41*	30
Fluoranthene	0.010 U	0.010	0.050	ug/l	107	105	76-121	2	30
Fluorene	0.010 U	0.010	0.050	ug/l	111	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	78	98	53-136	23	30
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	103	101	68-124	2	30
Naphthalene	0.030 U	0.030	0.060	ug/l	107	102	78-117	5	30
Phenanthrene	0.030 U	0.030	0.060	ug/l	107	104	83-116	3	30
Pyrene	0.010 U	0.010	0.050	ug/l	104	103	70-124	2	30

Batch number: 143560636001

Sample number(s): 7715297-7715299

Barium	0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	104		80-120		

Batch number: 143565713004

Sample number(s): 7715297-7715299

Mercury	0.000060 U	0.00006	0.00020	mg/l	92		80-120		
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Batch number: 143580639001A

Sample number(s): 7715297-7715299

Antimony	0.00033 U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	100		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	100		80-120		

Batch number: 14351347902C

Sample number(s): 7715297-7715299

Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	98	99	90-110	1	20
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Batch number: 14352022101A

Sample number(s): 7715297-7715299

Ammonia Nitrogen	0.20 U	0.20	0.60	mg/l	95	94	85-105	1	5
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Sample Matrix Quality Control

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1526301

Reported: 12/30/14 at 01:38 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 14352WAO026	Sample number(s): 7715298-7715299 UNSPK: P715066								
Acetophenone	94	95	77-114	3	30				
2-Acetylaminofluorene	111	115	79-137	5	30				
4-Aminobiphenyl	65	70	10-91	9	30				
Aniline	61	65	22-103	9	30				
Benzyl alcohol	71	77	62-101	10	30				
1,1'-Biphenyl	97	95	73-114	0	30				
4-Bromophenyl-phenylether	99	102	76-124	4	30				
Butylbenzylphthalate	102	105	76-124	5	30				
Di-n-butylphthalate	95	99	79-118	6	30				
4-Chloro-3-methylphenol	87	88	19-155	3	30				
4-Chloroaniline	67	71	34-122	9	30				
Chlorobenzilate	96	100	63-146	6	30				
bis(2-Chloroethoxy)methane	94	94	73-115	2	30				
bis(2-Chloroethyl)ether	92	92	77-113	2	30				
bis(2-Chloroisopropyl)ether	89	90	61-116	3	30				
2-Chloronaphthalene	100	98	64-134	0	30				
2-Chlorophenol	90	89	27-146	1	30				
4-Chlorophenyl-phenylether	98	98	73-117	1	30				
Diallate trans/cis	103	106	75-130	5	30				
Dibenzofuran	98	97	71-116	0	30				
1,2-Dichlorobenzene	88	87	76-107	0	30				
1,3-Dichlorobenzene	84	82	68-107	1	30				
1,4-Dichlorobenzene	87	85	59-115	1	30				
3,3'-Dichlorobenzidine	80	83	16-128	5	30				
2,4-Dichlorophenol	94	94	31-147	1	30				
2,6-Dichlorophenol	99	98	75-116	1	30				
Diethylphthalate	84	83	69-118	0	30				
Dimethoate	41	40	10-112	1	30				
p-Dimethylaminoazobenzene	100	105	82-132	6	30				
3,3'-Dimethylbenzidine	25	26	25-83	4	30				
7,12-Dimethylbenz[a]anthracene	77	85	58-124	11	30				
2,4-Dimethylphenol	76	77	40-133	3	30				
Dimethylphthalate	66	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	98	102	36-151	5	30				
1,3-Dinitrobenzene	91	93	82-122	4	30				
2,4-Dinitrophenol	78	77	20-168	0	30				
2,4-Dinitrotoluene	95	96	72-133	3	30				
2,6-Dinitrotoluene	98	97	79-127	1	30				
1,4-Dioxane	71	69	48-83	1	30				
Diphenyl ether	97	96	81-105	0	30				
Ethyl methanesulfonate	95	94	81-112	1	30				
bis(2-Ethylhexyl)phthalate	109	114	73-129	6	30				
Hexachlorobenzene	97	99	72-124	3	30				
Hexachlorobutadiene	86	87	53-126	3	30				
Hexachlorocyclopentadiene	90	90	26-142	1	30				
Hexachloroethane	77	74	50-119	1	30				
Hexachloropropene	92	94	67-132	4	30				
Isodrin	105	107	67-136	3	30				
Isophorone	99	101	67-139	3	30				
Isosafrole	104	101	74-104	1	30				
Methapyrilene	106	100	70-130	4	30				

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Methyl methanesulfonate	86	86	37-93	1	30				
3-Methylcholanthrene	101	105	80-117	6	30				
2-Methylphenol	88	87	26-135	1	30				
4-Methylphenol	84	84	13-128	1	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	44	47	10-110	10	30				
2-Naphthylamine	45	49	10-101	9	30				
5-Nitro-o-toluidine	74	76	34-112	4	30				
2-Nitroaniline	97	99	76-132	4	30				
3-Nitroaniline	76	80	49-124	6	30				
4-Nitroaniline	79	81	43-126	4	30				
Nitrobenzene	97	97	69-127	2	30				
2-Nitrophenol	103	104	53-147	2	30				
4-Nitrophenol	77	77	10-116	1	30				
4-Nitroquinoline-1-oxide	73	79	50-120	9	30				
N-Nitroso-di-n-propylamine	90	92	70-123	4	30				
N-Nitrosodi-n-butylamine	84	86	65-111	4	30				
N-Nitrosodiethylamine	96	97	80-102	3	30				
N-Nitrosodimethylamine	70	70	37-80	1	30				
N-Nitrosodiphenylamine	93	96	75-124	5	30				
N-Nitrosomethylethylamine	91	91	72-115	2	30				
N-Nitrosomorpholine	85	85	71-115	2	30				
N-Nitrosopiperidine	95	97	84-117	4	30				
N-Nitrosopyrrolidine	90	91	72-120	3	30				
Di-n-octylphthalate	107	111	71-137	5	30				
Pentachlorobenzene	101	99	82-119	1	30				
Pentachloronitrobenzene	131*	132*	82-116	2	30				
Pentachlorophenol	222 (2)	191 (2)	23-133	5	30				
Phenacetin	93	96	67-141	5	30				
Phenol	58	57	10-107	0	30				
2-Picoline	76	79	44-96	5	30				
Pronamide	90	89	82-131	1	30				
Pyridine	60	64	12-94	9	30				
Safrole	95	94	86-107	0	30				
1,2,4,5-Tetrachlorobenzene	96	95	79-114	1	30				
2,3,4,6-Tetrachlorophenol	101	99	56-131	0	30				
Tetraethyldithiopyrophosphate	95	100	77-120	7	30				
Thionazin	95	94	72-117	0	30				
o-Toluidine	57	61	10-106	9	30				
1,2,4-Trichlorobenzene	94	94	68-119	2	30				
2,4,5-Trichlorophenol	95	93	37-148	0	30				
2,4,6-Trichlorophenol	99	97	19-162	0	30				
O,O,O-Triethylphosphorothioate	101	100	75-128	1	30				
1,3,5-Trinitrobenzene	38	39	35-129	4	30				

Batch number: 143560636001

Sample number(s): 7715297-7715299 UNSPK: P720354 BKG: P720354

Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	100	101	75-125	1	20	0.398 J	0.441	10 (1)	20

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Manganese	196 (2)	220 (2)	75-125	2	20	5.68	5.67	0	20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	105	105	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1)	20
Batch number: 143565713004 Sample number(s): 7715297-7715299 UNSPK: P720354 BKG: P720354									
Mercury	101	106	75-125	4	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143580639001A Sample number(s): 7715297-7715299 UNSPK: P720354 BKG: P720354									
Antimony	99	94	75-125	6	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	96	104	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	101	97	75-125	4	20	0.00017 U	0.00017 U	0 (1)	20
Lead	98	96	75-125	2	20	0.00013 J	0.00010 J	26* (1)	20
Thallium	98	92	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 14351347902C Sample number(s): 7715297-7715299 UNSPK: 7715297 BKG: 7715297									
Nitrate Nitrogen	93		90-110			0.77	0.74	5 (1)	20
Batch number: 14352022101A Sample number(s): 7715297-7715299 BKG: P716454									
Ammonia Nitrogen						37.8	38.2	1	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAO026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7715298	38	54	73	77	78	75
7715299	38	55	72	92	94	86
Blank	39	55	81	78	76	72
LCS	49	63	86	93	92	79
MS	53	72	95	92	94	88
MSD	52	70	93	93	92	90
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAP026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7715298	96	99	95
7715299	86	84	87
Blank	117	134	104
LCS	104	115	101

*- Outside of specification

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Quality Control SummaryClient Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/30/14 at 01:38 PM

Group Number: 1526301

Surrogate Quality Control

LCSD	101	116	98
Limits:	56-134	36-156	59-132

*- Outside of specification

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Client: DuPont

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 12/17/2014 10:00
 Number of Packages: 2 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 11:37 on 12/17/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.5	DT	Wet	Y	Loose	N
2	DT131	1.6	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 02, 2014

Project: BRE - GW

Submission Date: 11/15/2014

Group Number: 1518943

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-215 Groundwater
SSP14-GW-MW-215-A Groundwater
SSP14-GW-MW-303 Groundwater
SSP14-GW-MW-303-A Groundwater
EB-111414 Blank Water
EB-111414-A Blank Water
TB-111414 Blank Water
TB-111414-A Blank Water

Lancaster Labs (LL) #

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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BR215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.2 J	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.4 J	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BR215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.33	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6 U	0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6 U	0.6	1	1
10461	Aniline	62-53-3	0.6 U	0.6	1	1
10461	Benzyl alcohol	100-51-6	12 U	12	35	1
10461	1,1'-Biphenyl	92-52-4	0.6 U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6 U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6 U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6 U	0.6	1	1
10461	Chlorobenzilate	510-15-6	4 U	4	12	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6 U	0.6	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.6 U	0.6	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.6 U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.5 U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6 U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6 U	0.6	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	6	1
10461	Dibenzofuran	132-64-9	0.6 U	0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6 U	0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6 U	0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.6 U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6 U	0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	0.6 U	0.6	1	1
10461	Diethylphthalate	84-66-2	2 U	2	6	1
10461	Dimethoate	60-51-5	4 U	4	12	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6 U	0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6 U	0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	29 U	29	88	1
10461	2,4-Dimethylphenol	105-67-9	0.6 U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6 U	6	18	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	6	1
10461	2,4-Dinitrophenol	51-28-5	12 U	12	35	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

BR215

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	2	J	1	6	1
10461	Diphenyl ether	101-84-8	85		0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	18	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	18	U	18	58	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	29	U	29	70	1
10461	1-Naphthylamine	134-32-7	6	U	6	18	1
10461	2-Naphthylamine	91-59-8	6	U	6	18	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12	U	12	35	1
10461	4-Nitroquinoline-1-oxide	56-57-5	23	U	23	70	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BR215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10461	Phenacetin	62-44-2	0.6 U	ug/l	ug/l	1
10461	Phenol	108-95-2	0.9 J	ug/l	ug/l	1
10461	1,4-Phenylenediamine	106-50-3	88 U	ug/l	ug/l	1
10461	2-Picoline	109-06-8	2 U	ug/l	ug/l	1
10461	Pronamide	23950-58-5	0.6 U	ug/l	ug/l	1
10461	Pyridine	110-86-1	2 U	ug/l	ug/l	1
10461	Safrole	94-59-7	2 U	ug/l	ug/l	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U	ug/l	ug/l	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U	ug/l	ug/l	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	ug/l	ug/l	1
10461	Thionazin	297-97-2	2 U	ug/l	ug/l	1
10461	o-Toluidine	95-53-4	0.6 U	ug/l	ug/l	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U	ug/l	ug/l	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U	ug/l	ug/l	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U	ug/l	ug/l	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	ug/l	ug/l	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U	ug/l	ug/l	1
GC/MS Semivolatiles SW-846 8270D SIM						
12971	Acenaphthene	83-32-9	0.012 U	ug/l	ug/l	1
12971	Acenaphthylene	208-96-8	0.012 U	ug/l	ug/l	1
12971	Anthracene	120-12-7	0.012 U	ug/l	ug/l	1
12971	Benzo(a)anthracene	56-55-3	0.012 U	ug/l	ug/l	1
12971	Benzo(a)pyrene	50-32-8	0.012 U	ug/l	ug/l	1
12971	Benzo(b)fluoranthene	205-99-2	0.012 U	ug/l	ug/l	1
12971	Benzo(g,h,i)perylene	191-24-2	0.012 U	ug/l	ug/l	1
12971	Benzo(k)fluoranthene	207-08-9	0.012 U	ug/l	ug/l	1
12971	Chrysene	218-01-9	0.012 U	ug/l	ug/l	1
12971	Dibenz(a,h)anthracene	53-70-3	0.012 U	ug/l	ug/l	1
12971	Fluoranthene	206-44-0	0.012 U	ug/l	ug/l	1
12971	Fluorene	86-73-7	0.012 U	ug/l	ug/l	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.012 U	ug/l	ug/l	1
12971	2-Methylnaphthalene	91-57-6	0.012 U	ug/l	ug/l	1
12971	Naphthalene	91-20-3	0.035 U	ug/l	ug/l	1
12971	Phenanthrene	85-01-8	0.035 U	ug/l	ug/l	1
12971	Pyrene	129-00-0	0.012 U	ug/l	ug/l	1
GC Miscellaneous SW-846 8015C Feb 2007 mg/l						
Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U	mg/l	mg/l	1
12926	Ethylene glycol	107-21-1	8.0 U	mg/l	mg/l	1
12926	Propylene glycol	57-55-6	8.0 U	mg/l	mg/l	1
12926	Triethylene glycol	112-27-6	8.0 U	mg/l	mg/l	1
Metals SW-846 6010C mg/l						
07046	Barium	7440-39-3	0.0024 J	mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.0019 J	mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0023 J	mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0263	mg/l	mg/l	1
07053	Copper	7440-50-8	0.0028 U	mg/l	mg/l	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BR215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	10.6	0.0334	0.400	1
07058	Manganese	7439-96-5	7.36	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0153 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 18:01	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 20:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 20:30	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 19:25	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 18:25	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:30	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BR215

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/24/2014	06:54	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:10	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-215-A Groundwater
GW 2014

LL Sample # WW 7677689
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BA215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143212AA	11/17/2014 22:47	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 22:47	Andrea E Lando	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

B-303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

B-303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6 U		0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6 U		0.6	1	1
10461	Aniline	62-53-3	0.6 U		0.6	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	34	1
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6 U		0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	6	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6 U		0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6 U		0.6	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6 U		0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6 U		0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.6 U		0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.5 U		0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6 U		0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6 U		0.6	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	6	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6 U		0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6 U		0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.6 U		0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6 U		0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	0.6 U		0.6	1	1
10461	Diethylphthalate	84-66-2	2 U		2	6	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6 U		0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6 U		0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	28 U		28	85	1
10461	2,4-Dimethylphenol	105-67-9	0.6 U		0.6	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6 U		6	17	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	6	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	34	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

B-303

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	17	U	17	57	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	28	U	28	68	1
10461	1-Naphthylamine	134-32-7	6	U	6	17	1
10461	2-Naphthylamine	91-59-8	6	U	6	17	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	34	1
10461	4-Nitroquinoline-1-oxide	56-57-5	23	U	23	68	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

B-303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Detection	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	Phenacetin	62-44-2	0.6 U	0.6	1	1	1
10461	Phenol	108-95-2	0.6 U	0.6	1	1	1
10461	1,4-Phenylenediamine	106-50-3	85 U	85	340	1	1
10461	2-Picoline	109-06-8	2 U	2	6	1	1
10461	Pronamide	23950-58-5	0.6 U	0.6	1	1	1
10461	Pyridine	110-86-1	2 U	2	6	1	1
10461	Safrole	94-59-7	2 U	2	6	1	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U	0.6	1	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U	0.6	1	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	6	1	1
10461	Thionazin	297-97-2	2 U	2	6	1	1
10461	o-Toluidine	95-53-4	0.6 U	0.6	1	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U	0.6	1	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U	0.6	1	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U	0.6	1	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	6	1	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U	6	17	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l		
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.057	1	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.057	1	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.057	1	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.057	1	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.057	1	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.057	1	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.057	1	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.057	1	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.057	1	1
12971	Dibenz(a,h)anthracene	53-70-3	0.015 J	0.011	0.057	1	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.057	1	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.057	1	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.057	1	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.057	1	1
12971	Naphthalene	91-20-3	0.034 U	0.034	0.068	1	1
12971	Phenanthrene	85-01-8	0.034 U	0.034	0.068	1	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.057	1	1

Target analytes were detected in the method blank associated with the samples as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials with the exception of:
target compounds were not detected in the re-extraction.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l		
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1

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Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

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B-303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous							
	SW-846 8015C Feb 2007 Rev 3		mg/l		mg/l	mg/l	
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0034 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0748 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0074 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0049 J		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 18:23	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 20:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:23	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 20:51	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 19:54	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 18:52	Mark A Clark	1

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Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
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Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

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Submitted: 11/15/2014 10:30

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B-303

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10466	BNA Water Extraction	SIM SW-846 3510C	1	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:45	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:12	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-303-A Groundwater
GW 2014

LL Sample # WW 7677691
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BA303

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143212AA	11/17/2014 23:11	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 23:11	Andrea E Lando	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414 Blank Water**
GW 2014

LL Sample # **WW 7677692**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414 Blank Water**
GW 2014

LL Sample # **WW 7677692**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6 U		0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6 U		0.6	1	1
10461	Aniline	62-53-3	0.6 U		0.6	1	1
10461	Benzyl alcohol	100-51-6	12 U		12	35	1
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6 U		0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	6	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6 U		0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6 U		0.6	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	12	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6 U		0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6 U		0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.6 U		0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.5 U		0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6 U		0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6 U		0.6	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	6	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6 U		0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6 U		0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.6 U		0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6 U		0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	0.6 U		0.6	1	1
10461	Diethylphthalate	84-66-2	2 U		2	6	1
10461	Dimethoate	60-51-5	3 U		3	12	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6 U		0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6 U		0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	29 U		29	87	1
10461	2,4-Dimethylphenol	105-67-9	0.6 U		0.6	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6 U		6	17	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	6	1
10461	2,4-Dinitrophenol	51-28-5	12 U		12	35	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414 Blank Water**
GW 2014

LL Sample # **WW 7677692**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	2,6-Dinitrotoluene	606-20-2	0.6 U	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1 U	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6 U	U	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6 U	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	U	2	6	1
10461	Hexachlorobenzene	118-74-1	0.1 U	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6 U	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6 U	U	6	17	1
10461	Hexachloroethane	67-72-1	1 U	U	1	6	1
10461	Hexachloropropene	1888-71-7	2 U	U	2	6	1
10461	Isodrin	465-73-6	0.6 U	U	0.6	1	1
10461	Isophorone	78-59-1	0.6 U	U	0.6	1	1
10461	Isosafrole	120-58-1	2 U	U	2	6	1
10461	Methapyrilene	91-80-5	17 U	U	17	58	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1 U	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6 U	U	0.6	1	1
10461	2-Methylphenol	95-48-7	0.6 U	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6 U	U	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	29 U	U	29	69	1
10461	1-Naphthylamine	134-32-7	6 U	U	6	17	1
10461	2-Naphthylamine	91-59-8	6 U	U	6	17	1
10461	2-Nitroaniline	88-74-4	0.6 U	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6 U	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6 U	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6 U	U	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.6 U	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6 U	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12 U	U	12	35	1
10461	4-Nitroquinoline-1-oxide	56-57-5	23 U	U	23	69	1
10461	N-Nitrosodiethylamine	55-18-5	0.6 U	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	U	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6 U	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6 U	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2 U	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6 U	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6 U	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6 U	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	U	2	6	1
10461	Pentachlorophenol	87-86-5	1 U	U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414 Blank Water**
GW 2014

LL Sample # **WW 7677692**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.6 U		0.6	1	1
10461	Phenol	108-95-2	0.6 U		0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	87 U		87	350	1
10461	2-Picoline	109-06-8	2 U		2	6	1
10461	Pronamide	23950-58-5	0.6 U		0.6	1	1
10461	Pyridine	110-86-1	2 U		2	6	1
10461	Safrole	94-59-7	2 U		2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U		0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U		0.6	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	6	1
10461	Thionazin	297-97-2	2 U		2	6	1
10461	o-Toluidine	95-53-4	0.6 U		0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U		0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U		0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U		0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U		6	17	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.012 U		0.012	0.058	1
12971	Acenaphthylene	208-96-8	0.012 U		0.012	0.058	1
12971	Anthracene	120-12-7	0.012 U		0.012	0.058	1
12971	Benzo(a)anthracene	56-55-3	0.012 U		0.012	0.058	1
12971	Benzo(a)pyrene	50-32-8	0.012 U		0.012	0.058	1
12971	Benzo(b)fluoranthene	205-99-2	0.012 U		0.012	0.058	1
12971	Benzo(g,h,i)perylene	191-24-2	0.012 U		0.012	0.058	1
12971	Benzo(k)fluoranthene	207-08-9	0.012 U		0.012	0.058	1
12971	Chrysene	218-01-9	0.012 U		0.012	0.058	1
12971	Dibenz(a,h)anthracene	53-70-3	0.012 U		0.012	0.058	1
12971	Fluoranthene	206-44-0	0.012 U		0.012	0.058	1
12971	Fluorene	86-73-7	0.012 U		0.012	0.058	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.012 U		0.012	0.058	1
12971	2-Methylnaphthalene	91-57-6	0.012 U		0.012	0.058	1
12971	Naphthalene	91-20-3	0.035 U		0.035	0.069	1
12971	Phenanthrene	85-01-8	0.035 U		0.035	0.069	1
12971	Pyrene	129-00-0	0.012 U		0.012	0.058	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.00033 U		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414 Blank Water**
GW 2014

LL Sample # **WW 7677692**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

BRE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	mg/l 0.0050 J	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	mg/l 0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
00259	Mercury	7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143231AA	11/19/2014 18:44	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 18:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:44	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 18:49	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 20:22	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 19:20	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-111414 Blank Water
GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRE14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:22	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:22	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:22	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:22	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:14	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-111414-A Blank Water**
GW 2014

LL Sample # **WW 7677693**
LL Group # **1518943**
Account # **06643**

Project Name: **BRE - GW**

Collected: 11/14/2014 15:30 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BAE14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143212AA	11/17/2014 22:23	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 22:23	Andrea E Lando	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111414 Blank Water
GW 2014

LL Sample # WW 7677694
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111414 Blank Water
GW 2014

LL Sample # WW 7677694
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BRT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143251AA	11/21/2014 16:04	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 19:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 19:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 16:04	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111414-A Blank Water
GW 2014

LL Sample # WW 7677695
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/15/2014 10:30

Reported: 12/02/2014 11:12

BAT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143212AA	11/17/2014 21:59	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 21:59	Andrea E Lando	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: E143232AA	Sample number(s): 7677688,7677690,7677692,7677694								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	122		70-130		
Batch number: I143231AA	Sample number(s): 7677688,7677690,7677692								
Acetone	3.0 U	3.0	5.0	ug/l	100		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	129	121	50-145	7	30
Allyl Chloride	0.1 U	0.1	0.5	ug/l	95		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	93		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	82		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	95		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	97		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	99		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	98		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	96		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	101		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	86		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	103		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	100		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	80		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	114		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	100		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	103		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	101		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	105		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	100		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	93		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	96		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	99		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	96		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	104		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	89		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	103		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	103		75-126		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propionitrile	2.0 U	2.0	10	ug/l	108		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	100		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	107		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	104		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	114	112	38-145	2	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	101		80-120		

Batch number: I143251AA	Sample number(s): 7677694								
Acetone	3.0 U	3.0	5.0	ug/l	110		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	95		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	93		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	84		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	92		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	105		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	94		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	97		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	95		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	91		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	90		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	107		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	89		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	114		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	104		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	101		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	102		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	96		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	100		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	106		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	109		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	100		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	99		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	93		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	109		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	101		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	117		67-143		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	0.1 U	0.1	0.5	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	103		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	98		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	97		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	106		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	107		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	115		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	101		80-120		

Batch number: N143212AA

Sample number(s): 7677689,7677691,7677693,7677695

Acrolein	40 U	40.	100	ug/l	90		59-120		
Acrylonitrile	4 U	4.	20	ug/l	104		62-120		

Batch number: 14324WAB026

Sample number(s): 7677688,7677690,7677692

Acenaphthene	0.010 U	0.010	0.050	ug/l	115	114	82-126	1	30
Acenaphthylene	0.010 U	0.010	0.050	ug/l	101	101	72-124	0	30
Anthracene	0.010 U	0.010	0.050	ug/l	111	112	83-125	1	30
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	113	111	79-122	3	30
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	118	114	72-126	3	30
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	125	122	79-136	3	30
Benzo(g,h,i)perylene	0.019 J	0.010	0.050	ug/l	117	116	59-137	1	30
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	120	120	72-129	0	30
Chrysene	0.010 U	0.010	0.050	ug/l	119	116	77-122	3	30
Dibenz(a,h)anthracene	0.024 J	0.010	0.050	ug/l	115	109	42-143	5	30
Fluoranthene	0.010 U	0.010	0.050	ug/l	102	102	76-121	0	30
Fluorene	0.010 U	0.010	0.050	ug/l	112	112	82-119	0	30
Indeno(1,2,3-cd)pyrene	0.018 J	0.010	0.050	ug/l	115	112	53-136	3	30
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	102	101	68-124	1	30
Naphthalene	0.030 U	0.030	0.060	ug/l	108	108	78-117	0	30
Phenanthrene	0.030 U	0.030	0.060	ug/l	107	108	83-116	1	30
Pyrene	0.010 U	0.010	0.050	ug/l	116	118	70-124	2	30

Batch number: 14324WAX026

Sample number(s): 7677688,7677690,7677692

Acetophenone	0.5 U	0.5	1	ug/l	89		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	101		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	64		34-95		
Aniline	0.5 U	0.5	1	ug/l	62		34-97		
Benzyl alcohol	10 U	10.	30	ug/l	76		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	91		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	97		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	99		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	98		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	84		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	68		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	96		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	90		77-115		
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	88		78-112		
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	86		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	89		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	84		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	93		78-119		
Diallate trans/cis	1 U	1.	5	ug/l	101		80-126		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Dibenzofuran	0.5 U	0.5	1	ug/l	91		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	86		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	82		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	84		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	87		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	90		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	92		83-121		
Diethylphthalate	2 U	2.	5	ug/l	90		70-118		
Dimethoate	3 U	3.	10	ug/l	74		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	90		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	43		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	83		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	85		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	86		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	101		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	88		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	81		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	91		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	94		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	60		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	91		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	88		77-113		
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	99		78-124		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	93		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	84		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	40		18-130		
Hexachloroethane	1 U	1.	5	ug/l	78		55-109		
Hexachloropropene	2 U	2.	5	ug/l	69		47-121		
Isodrin	0.5 U	0.5	1	ug/l	103		83-119		
Isophorone	0.5 U	0.5	1	ug/l	94		81-124		
Isosafrole	2 U	2.	5	ug/l	95		68-150		
Methapyrilene	15 U	15.	50	ug/l	122		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	79		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	95		84-117		
2-Methylphenol	0.5 U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	77		56-109		
1,4-Naphthoquinone	25 U	25.	60	ug/l	13		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	45		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	50		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	72		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	92		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	73		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	80		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	93		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	53		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	85		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	88		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	80		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	58		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	93		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	84		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	78		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	90		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	83		75-117		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Di-n-octylphthalate	2 U	2.	5	ug/l	99		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	94		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	98		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	96		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	92		81-120		
Phenol	0.5 U	0.5	1	ug/l	43		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	80		57-110		
Pronamide	0.5 U	0.5	1	ug/l	99		78-125		
Pyridine	2 U	2.	5	ug/l	64		22-96		
Safrole	2 U	2.	5	ug/l	88		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	89		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	95		76-128		
Tetraethyldithiopyrophosphate	1 U	1.	5	ug/l	95		75-114		
Thionazin	2 U	2.	5	ug/l	90		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	55		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	88		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	90		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	95		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	76		12-129		

Batch number: 143220036A

Sample number(s): 7677688,7677690

Diethylene glycol	8.0 U	8.0	10	mg/l	81		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	84		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	83		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	79		46-118		

Batch number: 143230636001

Sample number(s): 7677688,7677690,7677692

Barium	0.00033 U	0.00033	0.0100	mg/l	100		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	100		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	99		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	100		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	102		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	98		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	108		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	97		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	98		80-120		
Zinc	0.0021 U	0.0020	0.0400	mg/l	101		80-120		

Batch number: 143230639001A

Sample number(s): 7677688,7677690,7677692

Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	104		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	99		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	102		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	103		80-120		

Batch number: 143235713005

Sample number(s): 7677688,7677690,7677692

Mercury	0.000060 U	0.00006	0.00020	mg/l	89		80-120		
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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: E143232AA	Sample number(s): 7677688,7677690,7677692,7677694 UNSPK: P677159								
Vinyl Chloride	111	117	70-130	5	30				
Batch number: I143231AA	Sample number(s): 7677688,7677690,7677692 UNSPK: P677645								
Acetone	127	107	57-163	17	30				
Allyl Chloride	97	93	61-120	4	30				
Benzene	105	100	87-126	5	30				
Bromochloromethane	107	101	82-125	6	30				
Bromodichloromethane	99	94	82-133	5	30				
Bromoform	83	80	60-138	4	30				
Bromomethane	95	95	66-130	1	30				
2-Butanone	121	100	56-160	19	30				
Carbon Disulfide	106	99	84-141	7	30				
Carbon Tetrachloride	108	103	81-148	5	30				
2-Chloro-1,3-butadiene	103	97	78-128	6	30				
Chlorobenzene	102	98	78-133	4	30				
Chloroethane	98	95	70-139	3	30				
Chloroform	107	100	86-136	6	30				
Chloromethane	107	106	49-135	0	30				
1,2-Dibromo-3-chloropropane	104	86	53-163	18	30				
Dibromochloromethane	99	93	79-125	6	30				
1,2-Dibromoethane	109	105	84-127	4	30				
Dibromomethane	106	103	83-126	3	30				
trans-1,4-Dichloro-2-butene	97	79	11-172	19	30				
Dichlorodifluoromethane	124	124	28-136	0	30				
1,1-Dichloroethane	104	98	81-126	6	30				
1,2-Dichloroethane	107	102	82-135	5	30				
1,1-Dichloroethene	111	106	86-132	5	30				
cis-1,2-Dichloroethene	107	103	82-129	4	30				
trans-1,2-Dichloroethene	110	105	88-127	5	30				
1,2-Dichloropropane	105	101	91-126	5	30				
cis-1,3-Dichloropropene	97	93	74-132	4	30				
trans-1,3-Dichloropropene	95	91	71-128	4	30				
Ethyl Methacrylate	103	100	73-134	3	30				
Ethylbenzene	103	98	80-140	5	30				
2-Hexanone	112	110	51-149	3	30				
Isobutyl Alcohol	104	98	65-146	6	30				
Methacrylonitrile	118	95	58-155	22	30				
Methyl Iodide	108	103	71-137	5	30				
Methyl Methacrylate	116	95	48-152	20	30				
4-Methyl-2-pentanone	116	113	69-149	3	30				
Methylene Chloride	110	105	77-135	5	30				
Pentachloroethane	81	77	68-145	6	30				
Propionitrile	119	102	63-147	15	30				
Styrene	104	99	71-138	5	30				
1,1,1,2-Tetrachloroethane	103	98	87-126	5	30				
1,1,2,2-Tetrachloroethane	102	96	75-131	5	30				
Tetrachloroethene	121	116	75-129	4	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Toluene	103	98	83-127	5	30				
1,1,1-Trichloroethane	105	100	85-140	5	30				
1,1,2-Trichloroethane	109	104	85-129	5	30				
Trichloroethene	111	106	85-131	4	30				
Trichlorofluoromethane	114	113	73-139	1	30				
1,2,3-Trichloropropane	108	102	76-120	5	30				
Xylene (Total)	102	97	81-137	5	30				
Batch number: I143251AA Sample number(s): 7677694 UNSPK: P674167									
Acetone	114	112	57-163	1	30				
Acetonitrile	118	116	77-129	2	30				
Allyl Chloride	98	95	61-120	3	30				
Benzene	106	104	87-126	1	30				
Bromochloromethane	101	99	82-125	2	30				
Bromodichloromethane	102	103	82-133	1	30				
Bromoform	85	87	60-138	3	30				
Bromomethane	99	100	66-130	2	30				
2-Butanone	111	114	56-160	3	30				
Carbon Disulfide	102	99	84-141	4	30				
Carbon Tetrachloride	107	105	81-148	2	30				
2-Chloro-1,3-butadiene	103	99	78-128	3	30				
Chlorobenzene	109	112	78-133	3	30				
Chloroethane	99	101	70-139	2	30				
Chloroform	107	108	86-136	1	30				
Chloromethane	110	112	49-135	2	30				
1,2-Dibromo-3-chloropropane	98	101	53-163	3	30				
Dibromochloromethane	101	104	79-125	4	30				
1,2-Dibromoethane	109	114	84-127	4	30				
Dibromomethane	106	110	83-126	3	30				
trans-1,4-Dichloro-2-butene	96	97	11-172	0	30				
Dichlorodifluoromethane	129	130	28-136	1	30				
1,1-Dichloroethane	103	101	81-126	2	30				
1,2-Dichloroethane	107	107	82-135	0	30				
1,1-Dichloroethene	107	105	86-132	2	30				
cis-1,2-Dichloroethene	106	104	82-129	1	30				
trans-1,2-Dichloroethene	108	105	88-127	3	30				
1,2-Dichloropropane	108	109	91-126	1	30				
cis-1,3-Dichloropropene	98	101	74-132	3	30				
trans-1,3-Dichloropropene	98	102	71-128	5	30				
Ethyl Methacrylate	104	109	73-134	5	30				
Ethylbenzene	109	113	80-140	3	30				
2-Hexanone	113	118	51-149	4	30				
Isobutyl Alcohol	111	128	65-146	15	30				
Methacrylonitrile	107	108	58-155	1	30				
Methyl Iodide	103	100	71-137	3	30				
Methyl Methacrylate	96	98	48-152	3	30				
4-Methyl-2-pentanone	115	121	69-149	5	30				
Methylene Chloride	107	104	77-135	4	30				
Pentachloroethane	107	101	68-145	6	30				
Propionitrile	122	127	63-147	4	30				
Styrene	110	112	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,1,2,2-Tetrachloroethane	110	114	75-131	3	30				
Tetrachloroethene	108	109	75-129	1	30				
Toluene	108	109	83-127	2	30				
1,1,1-Trichloroethane	105	105	85-140	0	30				
1,1,2-Trichloroethane	110	113	85-129	3	30				
Trichloroethene	110	111	85-131	1	30				
Trichlorofluoromethane	122	120	73-139	1	30				
1,2,3-Trichloropropane	113	118	76-120	4	30				
Vinyl Acetate	113	111	27-162	2	30				
Xylene (Total)	108	111	81-137	2	30				

Batch number: N143212AA Sample number(s): 7677689,7677691,7677693,7677695 UNSPK: P675988
Acrolein 89 88 39-136 1 30
Acrylonitrile 101 102 51-125 2 30

Batch number: 14324WAX026 Sample number(s): 7677688,7677690,7677692 UNSPK: P24WXUS
Acetophenone 89 88 77-114 2 30
2-Acetylaminofluorene 104 104 79-137 1 30
4-Aminobiphenyl 63 63 10-91 1 30
Aniline 54 56 22-103 3 30
Benzyl alcohol 69 75 62-101 8 30
1,1'-Biphenyl 95 93 73-114 2 30
4-Bromophenyl-phenylether 95 96 76-124 1 30
Butylbenzylphthalate 99 99 76-124 0 30
Di-n-butylphthalate 93 95 79-118 2 30
4-Chloro-3-methylphenol 85 87 19-155 2 30
4-Chloroaniline 63 62 34-122 1 30
Chlorobenzilate 101 103 63-146 2 30
bis(2-Chloroethoxy)methane 92 91 73-115 1 30
bis(2-Chloroethyl)ether 89 87 77-113 2 30
bis(2-Chloroisopropyl)ether 87 86 61-116 1 30
2-Chloronaphthalene 92 90 64-134 3 30
2-Chlorophenol 75 84 27-146 11 30
4-Chlorophenyl-phenylether 97 94 73-117 3 30
Diallate trans/cis 99 102 75-130 3 30
Dibenzofuran 95 94 71-116 1 30
1,2-Dichlorobenzene 87 87 76-107 1 30
1,3-Dichlorobenzene 83 84 68-107 1 30
1,4-Dichlorobenzene 85 86 59-115 0 30
3,3'-Dichlorobenzidine 89 81 16-128 9 30
2,4-Dichlorophenol 81 89 31-147 9 30
2,6-Dichlorophenol 79 93 75-116 16 30
Diethylphthalate 94 95 69-118 1 30
Dimethoate 81 83 10-112 2 30
p-Dimethylaminoazobenzene 95 98 82-132 3 30
3,3'-Dimethylbenzidine 41 30 25-83 31* 30
7,12-Dimethylbenz[a]anthracene 89 90 58-124 1 30
2,4-Dimethylphenol 86 87 40-133 2 30
Dimethylphthalate 94 93 54-125 1 30
4,6-Dinitro-2-methylphenol 88 103 36-151 15 30
1,3-Dinitrobenzene 93 91 82-122 2 30
2,4-Dinitrophenol 69 81 20-168 16 30

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Quality Control Summary

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Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,4-Dinitrotoluene	94	94	72-133	0	30				
2,6-Dinitrotoluene	97	96	79-127	1	30				
1,4-Dioxane	56	57	48-83	1	30				
Diphenyl ether	95	93	81-105	2	30				
Ethyl methanesulfonate	84	89	81-112	5	30				
bis(2-Ethylhexyl)phthalate	101	103	73-129	2	30				
Hexachlorobenzene	92	93	72-124	1	30				
Hexachlorobutadiene	84	87	53-126	4	30				
Hexachlorocyclopentadiene	80	79	26-142	0	30				
Hexachloroethane	79	81	50-119	3	30				
Hexachloropropene	82	84	67-132	3	30				
Isodrin	99	101	67-136	2	30				
Isophorone	96	95	67-139	1	30				
Isosafrole	99	99	74-104	0	30				
Methapyrilene	126	132*	70-130	4	30				
Methyl methanesulfonate	74	78	37-93	5	30				
3-Methylcholanthrene	100	99	80-117	1	30				
2-Methylphenol	84	87	26-135	4	30				
4-Methylphenol	83	86	13-128	4	30				
1,4-Naphthoquinone	170*	169*	70-130	1	30				
1-Naphthylamine	43	41	10-110	5	30				
2-Naphthylamine	52	49	10-101	5	30				
5-Nitro-o-toluidine	72	71	34-112	2	30				
2-Nitroaniline	96	95	76-132	1	30				
3-Nitroaniline	74	74	49-124	1	30				
4-Nitroaniline	81	81	43-126	1	30				
Nitrobenzene	93	91	69-127	2	30				
2-Nitrophenol	86	96	53-147	11	30				
4-Nitrophenol	46	53	10-116	14	30				
4-Nitroquinoline-1-oxide	84	87	50-120	4	30				
N-Nitroso-di-n-propylamine	89	88	70-123	1	30				
N-Nitrosodi-n-butylamine	82	83	65-111	1	30				
N-Nitrosodiethylamine	88	90	80-102	3	30				
N-Nitrosodimethylamine	55	58	37-80	4	30				
N-Nitrosodiphenylamine	94	94	75-124	0	30				
N-Nitrosomethylethylamine	79	85	72-115	7	30				
N-Nitrosomorpholine	73	78	71-115	6	30				
N-Nitrosopiperidine	90	92	84-117	2	30				
N-Nitrosopyrrolidine	77	84	72-120	9	30				
Di-n-octylphthalate	99	100	71-137	1	30				
Pentachlorobenzene	97	95	82-119	2	30				
Pentachloronitrobenzene	95	97	82-116	3	30				
Pentachlorophenol	84	93	23-133	10	30				
Phenacetin	85	94	67-141	9	30				
Phenol	58	61	10-107	5	30				
2-Picoline	70	77	44-96	10	30				
Pronamide	95	95	82-131	1	30				
Pyridine	59	62	12-94	6	30				
Safrole	90	90	86-107	1	30				
1,2,4,5-Tetrachlorobenzene	94	93	79-114	1	30				
2,3,4,6-Tetrachlorophenol	87	97	56-131	11	30				
Tetraethyldithiopyrophosphate	91	99	77-120	8	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

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Thionazin	93	95	72-117	2	30				
o-Toluidine	48	48	10-106	1	30				
1,2,4-Trichlorobenzene	92	91	68-119	0	30				
2,4,5-Trichlorophenol	81	90	37-148	11	30				
2,4,6-Trichlorophenol	82	92	19-162	12	30				
O,O,O-Triethylphosphorothioate	94	96	75-128	1	30				
1,3,5-Trinitrobenzene	82	88	35-129	6	30				
Batch number: 143220036A Sample number(s): 7677688,7677690 UNSPK: P674167									
Diethylene glycol	70	77	52-122	8	20				
Ethylene glycol	72	75	54-123	5	20				
Propylene glycol	69	70	55-131	2	20				
Triethylene glycol	70	78	33-123	11	20				
Batch number: 143230636001 Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159									
Barium	99	96	75-125	2	20	0.500	0.506	1	20
Beryllium	101	99	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	97	95	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	101	99	75-125	2	20	0.0063 J	0.0062 J	1 (1)	20
Copper	101	99	75-125	2	20	0.0028 U	0.0028 U	0 (1)	20
Iron	140 (2)	37 (2)	75-125	3	20	31.9	32.1	1	20
Manganese	108	103	75-125	2	20	0.681	0.695	2	20
Nickel	102	101	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	99	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	109	107	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	98	96	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	98	96	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	101	75-125	1	20	0.0024 J	0.0026 J	10 (1)	20
Batch number: 143230639001A Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159									
Antimony	107	112	75-125	5	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	101	103	75-125	2	20	0.00083 J	0.00082 U	200* (1)	20
Cadmium	100	99	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	102	102	75-125	0	20	0.000098 J	0.000089 J	10 (1)	20
Thallium	93	104	75-125	9	20	0.00066 J	0.00064 J	3 (1)	20
Batch number: 143235713005 Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159									
Mercury	74*	74*	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Vinyl Chloride
Batch number: E143232AA
Dibromofluoromethane

7677688 101
7677690 101

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Surrogate Quality Control

7677692 101
7677694 102
Blank 104
LCS 102
MS 102
MSD 103
Limits: 80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677688	100	105	98	96
7677690	100	105	97	95
7677692	99	103	98	95
Blank	99	101	99	95
LCS	99	104	98	98
LCSD	99	104	99	98
MS	102	108	97	100
MSD	102	114*	98	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: I143251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677694	101	103	98	95
Blank	100	103	99	97
LCS	100	103	100	98
MS	100	103	99	99
MSD	100	100	100	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: N143212AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677689	103	103	100	91
7677691	104	104	101	90
7677693	103	105	100	90
7677695	101	103	100	91
Blank	102	103	100	90
LCS	98	101	104	100
MS	98	101	105	102
MSD	98	99	104	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 17 PAH Compounds
Batch number: 14324WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7677688	111	77	114
7677690	95	98	99
7677692	90	91	98
Blank	110	119	114
LCS	101	124	111
LCSD	101	121	112
Limits:	56-134	36-156	59-132

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/02/14 at 11:12 AM

Group Number: 1518943

Surrogate Quality Control

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14324WAX026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7677688	21	8*	22	81	83	65
7677690	28	45	83	83	85	78
7677692	28	45	73	78	79	62
Blank	28	44	84	78	82	90
LCS	38	54	93	88	88	98
MS	53	51	85	89	90	87
MSD	56	57	93	88	89	96
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143220036A

	Tetramethylene glycol
7677688	66
7677690	58
Blank	76
LCS	76
MS	61
MSD	64
Limits:	54-136

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

14 of 16

For Lancaster Laboratories Use Only

Group No.: 1518943 Sample Nos.: 7677688-95
 Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 023295 **30586**
 Cooler Temperature upon receipt: 0.4 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										Comments:					
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646												3 day holding time for acrolein and acrylonitrile					
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																	
Sampler(s): <u>K. Teague</u>																			
Project Name: GW 2014														Groundwater					
Sample Identification	Date Collected	Time Collected	Matrix	Containers			GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)										
				Volume (ml)	Preserv	No.													
EB- <u>111414</u>	<u>11/14/14</u>	<u>1530</u>	WW	40	HCl	5	X		X										
EB- <u>111414</u> -A	<u>11/14/14</u>	<u>1530</u>	WW	40	None	2		X											
TB- <u>111414</u>	<u>11/14/14</u>	<u>931</u>	WW	40	HCl	4	X		X										
TB- <u>111414</u> -A	<u>11/14/14</u>	<u>931</u>	WW	40	None	2		X											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time												
Bottles Relinquished by: <u>K. Teague</u>		Date: <u>11/14/14</u>	Time: <u>1700</u>	Bottles Received by:		Date:	Time:												
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:												
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:												
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>11/15/14</u>	Time: <u>10:30</u>												

Client: DuPont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>11/15/2014 10:30</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4- HCl, 2- Unpreserved

Unpacked by Jordan Woods (6698) at 12:06 on 11/15/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 19, 2014

Project: BRE - GW

Submittal Date: 11/20/2014

Group Number: 1520127

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample DescriptionSSP14-GW-MW-210A Groundwater
SSP14-GW-MW-210A-A Groundwater
SSP14-GW-MW-210B Groundwater
SSP14-GW-MW-210B MS Groundwater
SSP14-GW-MW-210B MSD Groundwater
SSP14-GW-MW-210B Dupl Groundwater
SSP14-GW-MW-210B-A Groundwater
SSP14-GW-MW-211C Groundwater
SSP14-GW-MW-211C-A Groundwater
SSP14-GW-PZ-14 Groundwater
SSP14-GW-PZ-14-A Groundwater
SSP14-GW-PZ-17 Groundwater
SSP14-GW-PZ-17-A Groundwater
TB-111914 Blank Water
TB-111914-A Blank WaterLancaster Labs (LL) #7683195
7683196
7683197
7683198
7683199
7683200
7683201
7683202
7683203
7683204
7683205
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7683207
7683208
7683209

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.2 J	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.020 J	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U	11	21	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U	26	79	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

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4051 Ogletown Road, Suite 300
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Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,4-Phenylenediamine	106-50-3	79 U		79	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1

The QC limits for 1,4-naphthoquinone are advisory.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U	0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032 U	0.032	0.063	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.053	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0173	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	3.43	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0969	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997	mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143291AA	11/25/2014 14:42	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 14:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 14:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014 14:42	Kerri E Legerlotz	1
10461	APPIX SVs + 1 cmpd (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 22:11	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 17:10	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:14	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:29	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324987151A	11/21/2014	03:30	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210A-A Groundwater
GW 2014

LL Sample # WW 7683196
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

210AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 05:16	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:16	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.2	J	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.6		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.2	J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.3	J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.9		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.9		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.6		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	1.6	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	20	1
10461	1,1'-Biphenyl	92-52-4	0.6 J	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	2	J	1	5	1
10461	Diphenyl ether	101-84-8	43		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.026 J	0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.060	1
12971	Pyrene	129-00-0	0.017 J	0.010	0.050	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0012 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0749 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0792	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997	mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143291AA	11/25/2014 15:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 14:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 14:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014 15:04	Kerri E Legerlotz	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 19:47	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 17:37	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:26	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:26	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:26	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:26	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:26	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:13	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324987151A	11/21/2014	02:44	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	50	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	55	2	5	1
10461	4-Aminobiphenyl	92-67-1	37	0.5	1	1
10461	Aniline	62-53-3	36	0.5	1	1
10461	Benzyl alcohol	100-51-6	47	11	22	1
10461	1,1'-Biphenyl	92-52-4	50	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	52	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	51	2	5	1
10461	Di-n-butylphthalate	84-74-2	51	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	50	0.5	1	1
10461	4-Chloroaniline	106-47-8	40	0.5	1	1
10461	Chlorobenzilate	510-15-6	48	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	50	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	49	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	49	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	50	0.4	1	1
10461	2-Chlorophenol	95-57-8	49	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	51	0.5	1	1
10461	Diallate trans/cis	2303-16-4	55	1	5	1
10461	Dibenzofuran	132-64-9	51	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	46	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	44	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	46	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	44	2	5	1
10461	2,4-Dichlorophenol	120-83-2	50	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	52	0.5	1	1
10461	Diethylphthalate	84-66-2	46	2	5	1
10461	Dimethoate	60-51-5	25	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	53	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	53	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	39	J 27	81	1
10461	2,4-Dimethylphenol	105-67-9	47	0.5	1	1
10461	Dimethylphthalate	131-11-3	35	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	54	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	51	2	5	1
10461	2,4-Dinitrophenol	51-28-5	61	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	53	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	53	0.5	1	1
10461	1,4-Dioxane	123-91-1	40	1	5	1
10461	Diphenyl ether	101-84-8	92	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	50	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	56	2	5	1
10461	Hexachlorobenzene	118-74-1	50	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	41	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	73	5	16	1
10461	Hexachloroethane	67-72-1	40	1	5	1
10461	Hexachloropropene	1888-71-7	46	2	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Isodrin	465-73-6	55	0.5	1	1
10461	Isophorone	78-59-1	53	0.5	1	1
10461	Isosafrole	120-58-1	53	2	5	1
10461	Methapyrilene	91-80-5	230	E 16	54	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	47	1	5	1
10461	3-Methylcholanthrene	56-49-5	54	0.5	1	1
10461	2-Methylphenol	95-48-7	48	0.5	1	1
10461	4-Methylphenol	106-44-5	48	0.5	1	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	32	J 27	65	1
10461	1-Naphthylamine	134-32-7	56	5	16	1
10461	2-Naphthylamine	91-59-8	59	5	16	1
10461	2-Nitroaniline	88-74-4	53	0.5	1	1
10461	3-Nitroaniline	99-09-2	43	0.5	1	1
10461	4-Nitroaniline	100-01-6	46	0.5	1	1
10461	Nitrobenzene	98-95-3	50	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	41	0.5	1	1
10461	2-Nitrophenol	88-75-5	52	0.5	1	1
10461	4-Nitrophenol	100-02-7	38	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	430	E 22	65	1
10461	N-Nitrosodiethylamine	55-18-5	51	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	40	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	46	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	50	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	51	0.5	1	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	49	2	5	1
10461	N-Nitrosomorpholine	59-89-2	47	2	5	1
10461	N-Nitrosopiperidine	100-75-4	51	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	50	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	57	2	5	1
10461	Pentachlorobenzene	608-93-5	51	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	51	2	5	1
10461	Pentachlorophenol	87-86-5	38	1	5	1
10461	Phenacetin	62-44-2	51	0.5	1	1
10461	Phenol	108-95-2	32	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81	U 81	320	1
10461	2-Picoline	109-06-8	44	2	5	1
10461	Pronamide	23950-58-5	50	0.5	1	1
10461	Pyridine	110-86-1	35	2	5	1
10461	Safrole	94-59-7	50	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	47	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	53	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	51	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Thionazin	297-97-2	52	2	5	1
10461	o-Toluidine	95-53-4	32	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	47	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	49	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	51	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	52	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	28	5	16	1

The QC limits for 1,4-naphthoquinone are advisory.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.2	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.0	0.010	0.051	1
12971	Anthracene	120-12-7	1.1	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	1.1	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.2	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.99	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	1.1	0.010	0.051	1
12971	Chrysene	218-01-9	1.2	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	1.2	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.0	0.010	0.051	1
12971	Fluorene	86-73-7	1.1	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.0	0.031	0.061	1
12971	Phenanthrene	85-01-8	1.1	0.031	0.061	1
12971	Pyrene	129-00-0	1.1	0.010	0.051	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	2.01	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0513	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.196	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.499	0.0010	0.0100	1
07053	Copper	7440-50-8	0.255	0.0028	0.0200	1
01754	Iron	7439-89-6	1.04	0.0334	0.400	1
07058	Manganese	7439-96-5	0.584	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.515	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.148	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0539	0.0018	0.0100	1
07069	Tin	7440-31-5	3.96	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.498	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1

	SW-846 6020A	mg/l	mg/l	mg/l		
06024	Antimony	7440-36-0	0.0065	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0108	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0152	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
00259	Mercury	7439-97-6	0.00096	0.000060	0.00020	1
Wet Chemistry						
00368	Nitrate Nitrogen	14797-55-8	10.6	0.50	1.0	10
00221	Ammonia Nitrogen	7664-41-7	9.7	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 20:16	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 18:05	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:17	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324987151A	11/21/2014	03:15	Clinton M Wilson	10
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MSD Groundwater
GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	51	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	55	2	5	1
10461	4-Aminobiphenyl	92-67-1	39	0.5	1	1
10461	Aniline	62-53-3	40	0.5	1	1
10461	Benzyl alcohol	100-51-6	49	11	21	1
10461	1,1'-Biphenyl	92-52-4	51	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	54	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	51	2	5	1
10461	Di-n-butylphthalate	84-74-2	51	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	50	0.5	1	1
10461	4-Chloroaniline	106-47-8	43	0.5	1	1
10461	Chlorobenzilate	510-15-6	46	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	52	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	50	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	50	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	51	0.4	1	1
10461	2-Chlorophenol	95-57-8	50	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	52	0.5	1	1
10461	Diallate trans/cis	2303-16-4	56	1	5	1
10461	Dibenzofuran	132-64-9	51	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	48	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	46	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	47	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	45	2	5	1
10461	2,4-Dichlorophenol	120-83-2	50	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	52	0.5	1	1
10461	Diethylphthalate	84-66-2	46	2	5	1
10461	Dimethoate	60-51-5	21	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	53	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	42	J 27	80	1
10461	2,4-Dimethylphenol	105-67-9	47	0.5	1	1
10461	Dimethylphthalate	131-11-3	34	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	54	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	52	2	5	1
10461	2,4-Dinitrophenol	51-28-5	69	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	54	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	54	0.5	1	1
10461	1,4-Dioxane	123-91-1	41	1	5	1
10461	Diphenyl ether	101-84-8	95	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	51	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	57	2	5	1
10461	Hexachlorobenzene	118-74-1	51	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	43	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	77	5	16	1
10461	Hexachloroethane	67-72-1	42	1	5	1
10461	Hexachloropropene	1888-71-7	45	2	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MSD Groundwater
GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Isodrin	465-73-6	55	0.5	1	1
10461	Isophorone	78-59-1	54	0.5	1	1
10461	Isosafrole	120-58-1	53	2	5	1
10461	Methapyrilene	91-80-5	280 E	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	48	1	5	1
10461	3-Methylcholanthrene	56-49-5	54	0.5	1	1
10461	2-Methylphenol	95-48-7	49	0.5	1	1
10461	4-Methylphenol	106-44-5	49	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	27 U	27	64	1
10461	1-Naphthylamine	134-32-7	63	5	16	1
10461	2-Naphthylamine	91-59-8	68	5	16	1
10461	2-Nitroaniline	88-74-4	55	0.5	1	1
10461	3-Nitroaniline	99-09-2	46	0.5	1	1
10461	4-Nitroaniline	100-01-6	48	0.5	1	1
10461	Nitrobenzene	98-95-3	51	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	44	0.5	1	1
10461	2-Nitrophenol	88-75-5	53	0.5	1	1
10461	4-Nitrophenol	100-02-7	39	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	420 E	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	52	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	41	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	47	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	51	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	51	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	49	2	5	1
10461	N-Nitrosomorpholine	59-89-2	48	2	5	1
10461	N-Nitrosopiperidine	100-75-4	51	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	51	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	59	2	5	1
10461	Pentachlorobenzene	608-93-5	51	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	52	2	5	1
10461	Pentachlorophenol	87-86-5	36	1	5	1
10461	Phenacetin	62-44-2	52	0.5	1	1
10461	Phenol	108-95-2	33	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	80 U	80	320	1
10461	2-Picoline	109-06-8	47	2	5	1
10461	Pronamide	23950-58-5	52	0.5	1	1
10461	Pyridine	110-86-1	39	2	5	1
10461	Safrole	94-59-7	51	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	48	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	53	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	51	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MSD Groundwater
GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Thionazin	297-97-2	53	2	5	1
10461	o-Toluidine	95-53-4	36	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	49	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	50	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	51	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	53	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	25	5	16	1

The QC limits for 1,4-naphthoquinone are advisory.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.3	0.011	0.053	1
12971	Acenaphthylene	208-96-8	1.1	0.011	0.053	1
12971	Anthracene	120-12-7	1.1	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	1.1	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	1.2	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.98	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	1.2	0.011	0.053	1
12971	Chrysene	218-01-9	1.2	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	1.2	0.011	0.053	1
12971	Fluoranthene	206-44-0	1.2	0.011	0.053	1
12971	Fluorene	86-73-7	1.2	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	1.1	0.011	0.053	1
12971	Naphthalene	91-20-3	1.1	0.032	0.064	1
12971	Phenanthrene	85-01-8	1.1	0.032	0.064	1
12971	Pyrene	129-00-0	1.2	0.011	0.053	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	2.02	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0514	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.197	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.501	0.0010	0.0100	1
07053	Copper	7440-50-8	0.256	0.0028	0.0200	1
01754	Iron	7439-89-6	1.06	0.0334	0.400	1
07058	Manganese	7439-96-5	0.584	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.513	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.152	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0532	0.0018	0.0100	1
07069	Tin	7440-31-5	3.96	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.500	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1

	SW-846 6020A	mg/l	mg/l	mg/l		
06024	Antimony	7440-36-0	0.0066	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0107	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0154	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B MSD Groundwater
GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

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Iron Hill Corporate Center
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Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.00096	mg/l 0.000060	mg/l 0.00020	1
Wet Chemistry						
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997 7664-41-7	mg/l 9.8	mg/l 0.20	mg/l 0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 21:14	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 18:33	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:19	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: SSP14-GW-MW-210B MSD Groundwater
GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014 14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Dupl Groundwater
GW 2014

LL Sample # WW 7683200
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0010 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0805 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0789	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997	mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B Dupl Groundwater
GW 2014

LL Sample # WW 7683200
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:15	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324987151A	11/21/2014	03:00	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-210B-A Groundwater
GW 2014

LL Sample # WW 7683201
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

210BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 05:37	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:37	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211C Groundwater
GW 2014

LL Sample # WW 7683202
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

B211C

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.3	J	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.3	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	J	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.2	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.2	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	26	U	1.0	5.0	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211C Groundwater
GW 2014

LL Sample # WW 7683202
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

B211C

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143291AA	11/25/2014 15:27	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 12:05	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014 15:27	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143301AA	11/26/2014 12:05	Kerri E Legerlotz	10
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:18	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:27	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:27	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:27	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:27	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:27	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:31	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324987151A	11/21/2014 03:45	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014 14:00	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211C-A Groundwater
GW 2014

LL Sample # WW 7683203
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

211CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 05:58	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:58	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-14 Groundwater
GW 2014

LL Sample # WW 7683204
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BPZ14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-14 Groundwater
GW 2014

LL Sample # WW 7683204
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BPZ14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014	15:50	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:37	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-14-A Groundwater
GW 2014

LL Sample # WW 7683205
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

PZ14A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 06:19	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 06:19	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-17 Groundwater
GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BPZ17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-17 Groundwater
GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BPZ17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
	SW-846 8260B 25mL		ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
	SW-846 8260B SIM		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
Metals							
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0804		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0018 J		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0127 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0016 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	6.03		0.0334	0.400	1
07058	Manganese	7439-96-5	0.506		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0082 J		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0136 J		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0011 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0039		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00021 J		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143291AA	11/25/2014 16:13	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 15:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 15:53	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-17 Groundwater
GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BPZ17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014	16:13	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:39	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-PZ-17-A Groundwater
GW 2014

LL Sample # WW 7683207
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

PZ17A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 06:41	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 06:41	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111914 Blank Water
GW 2014

LL Sample # WW 7683208
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BR-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111914 Blank Water
GW 2014

LL Sample # WW 7683208
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BR-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143291AA	11/25/2014 14:19	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 14:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 14:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014 14:19	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111914-A Blank Water
GW 2014

LL Sample # WW 7683209
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/20/2014 09:40

Reported: 12/19/2014 08:49

BRTBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 07:02	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 07:02	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143291AA	Sample number(s): 7683195,7683197,7683202,7683204,7683206,7683208								
Acetone	3.0	U	3.0	5.0	ug/l	118	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	125	50-145	5	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	89	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	97	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	104	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	95	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	80	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	95	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	111	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	100	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	102	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	95	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	100	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	89	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	101	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	84	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	115	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	92	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	99	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	100	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	83	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	86	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	93	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	101	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	96	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	98	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	92	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	88	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	88	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	82	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	96	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	85	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	103	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	107	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	108	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	86	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	99	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	92	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	112	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	98	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	99	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	89		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	100		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	97		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	94		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	103		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	96		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	99		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	86	83	38-145	3	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	98		80-120		
Batch number: C143301AA	Sample number(s): 7683202								
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	103		64-141		
Batch number: E143241AA	Sample number(s): 7683195,7683197,7683202,7683204,7683206,7683208								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	110	110	70-130	0	30
Batch number: Y143242AA	Sample number(s): 7683196,7683201,7683203,7683205,7683207,7683209								
Acrolein	40 U	40.	100	ug/l	81		59-120		
Acrylonitrile	4 U	4.	20	ug/l	74		62-120		
Batch number: 14328WAF026	Sample number(s): 7683195,7683197-7683199								
Acetophenone	0.5 U	0.5	1	ug/l	90		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	100		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	67		34-95		
Aniline	0.5 U	0.5	1	ug/l	74		34-97		
Benzyl alcohol	10 U	10.	20	ug/l	89		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	87		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	93		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	94		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	92		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	92		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	79		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	80		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	92		77-115		
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	89		78-112		
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	88		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	91		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	88		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	93		78-119		
Diallate trans/cis	1 U	1.	5	ug/l	92		80-126		
Dibenzofuran	0.5 U	0.5	1	ug/l	92		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	78		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	71		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	75		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	86		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	91		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	93		83-121		
Diethylphthalate	2 U	2.	5	ug/l	83		70-118		
Dimethoate	3 U	3.	10	ug/l	44		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	84		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	42		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	94		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	65		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	103		63-131		

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,3-Dinitrobenzene	2 U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	86		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	96		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	73		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	89		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	91		77-113		
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	104		78-124		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	90		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	57		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	36		18-130		
Hexachloroethane	1 U	1.	5	ug/l	58		55-109		
Hexachloropropene	2 U	2.	5	ug/l	47		47-121		
Isodrin	0.5 U	0.5	1	ug/l	94		83-119		
Isophorone	0.5 U	0.5	1	ug/l	96		81-124		
Isosafrole	2 U	2.	5	ug/l	89		68-150		
Methapyrilene	15 U	15.	50	ug/l	85		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	87		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	91		84-117		
2-Methylphenol	0.5 U	0.5	1	ug/l	89		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	92		56-109		
1,4-Naphthoquinone	25 U	25.	60	ug/l	5*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	58		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	56		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	76		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	83		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	86		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	92		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	77		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	76		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	91		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	78		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	90		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	76		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	92		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	88		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	87		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	89		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	102		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	86		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	90		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	94		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	89		81-120		
Phenol	0.5 U	0.5	1	ug/l	64		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	82		57-110		
Pronamide	0.5 U	0.5	1	ug/l	88		78-125		
Pyridine	2 U	2.	5	ug/l	71		22-96		
Safrole	2 U	2.	5	ug/l	84		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	80		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	97		76-128		
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	82		75-114		
Thionazin	2 U	2.	5	ug/l	86		68-116		

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- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
o-Toluidine	0.5 U	0.5	1	ug/l	71		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	78		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	89		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	43		12-129		

Batch number: 14328WAG026	Sample number(s): 7683195,7683197-7683199
Acenaphthene	0.010 U 0.010 0.050 ug/l 116 82-126
Acenaphthylene	0.010 U 0.010 0.050 ug/l 98 72-124
Anthracene	0.010 U 0.010 0.050 ug/l 107 83-125
Benzo(a)anthracene	0.010 U 0.010 0.050 ug/l 114 79-122
Benzo(a)pyrene	0.010 U 0.010 0.050 ug/l 113 72-126
Benzo(b)fluoranthene	0.010 U 0.010 0.050 ug/l 117 79-136
Benzo(g,h,i)perylene	0.010 U 0.010 0.050 ug/l 118 59-137
Benzo(k)fluoranthene	0.010 U 0.010 0.050 ug/l 113 72-129
Chrysene	0.010 U 0.010 0.050 ug/l 115 77-122
Dibenz(a,h)anthracene	0.010 U 0.010 0.050 ug/l 117 42-143
Fluoranthene	0.010 U 0.010 0.050 ug/l 107 76-121
Fluorene	0.010 U 0.010 0.050 ug/l 108 82-119
Indeno(1,2,3-cd)pyrene	0.010 U 0.010 0.050 ug/l 89 53-136
2-Methylnaphthalene	0.010 U 0.010 0.050 ug/l 96 68-124
Naphthalene	0.030 U 0.030 0.060 ug/l 99 78-117
Phenanthrene	0.030 U 0.030 0.060 ug/l 105 83-116
Pyrene	0.010 U 0.010 0.050 ug/l 109 70-124

Batch number: 143295713004	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206
Mercury	0.000060 U 0.00006 0.00020 mg/l 96 80-120

Batch number: 143300636001	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206
Barium	0.00033 U 0.00033 0.0100 mg/l 101 80-120
Beryllium	0.00067 U 0.00067 0.0100 mg/l 101 80-120
Chromium	0.0013 U 0.0013 0.0300 mg/l 98 80-120
Cobalt	0.0010 U 0.0010 0.0100 mg/l 101 80-120
Copper	0.0028 U 0.0028 0.0200 mg/l 102 80-120
Iron	0.0334 U 0.0334 0.400 mg/l 98 80-120
Manganese	0.00083 U 0.00083 0.0100 mg/l 101 80-120
Nickel	0.0016 U 0.0016 0.0200 mg/l 103 80-120
Selenium	0.0048 U 0.0048 0.0400 mg/l 100 80-120
Silver	0.0018 U 0.0018 0.0100 mg/l 104 80-120
Tin	0.0024 U 0.0024 0.0400 mg/l 98 80-120
Vanadium	0.0019 U 0.0019 0.0100 mg/l 99 80-120
Zinc	0.0020 U 0.0020 0.0400 mg/l 101 80-120

Batch number: 143300639001A	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206
Antimony	0.00033 U 0.00033 0.0020 mg/l 89 80-120
Arsenic	0.00082 U 0.00082 0.0040 mg/l 97 80-120
Cadmium	0.00017 U 0.00017 0.0010 mg/l 95 80-120
Lead	0.000082 U 0.00008 0.0020 mg/l 103 80-120
Thallium	0.00015 U 0.00015 0.0010 mg/l 104 80-120

Batch number: 14324987151A	Sample number(s): 7683195,7683197-7683198,7683200,7683202
Nitrate Nitrogen	0.050 U 0.050 0.10 mg/l 102 100 90-110 1 20

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14328022101A	Sample number(s): 7683195, 7683197-7683200, 7683202								
Ammonia Nitrogen	0.20	U	0.20	0.60	mg/l	94	85-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143291AA	Sample number(s): 7683195, 7683197, 7683202, 7683204, 7683206, 7683208 UNSPK: P684779								
Acetone	117	124	57-163	6	30				
Allyl Chloride	84	99	61-120	16	30				
Benzene	93	95	87-126	1	30				
Bromochloromethane	93	107	82-125	14	30				
Bromodichloromethane	93	96	82-133	3	30				
Bromoform	84	86	60-138	2	30				
Bromomethane	95	102	66-130	6	30				
2-Butanone	111	122	56-160	10	30				
Carbon Disulfide	102	104	84-141	2	30				
Carbon Tetrachloride	102	103	81-148	1	30				
2-Chloro-1,3-butadiene	94	96	78-128	2	30				
Chlorobenzene	98	102	78-133	4	30				
Chloroethane	91	96	70-139	5	30				
Chloroform	98	100	86-136	2	30				
Chloromethane	85	92	49-135	8	30				
1,2-Dibromo-3-chloropropane	131	143	53-163	8	30				
Dibromochloromethane	91	94	79-125	4	30				
1,2-Dibromoethane	96	102	84-127	6	30				
Dibromomethane	96	98	83-126	2	30				
trans-1,4-Dichloro-2-butene	104	113	11-172	8	30				
Dichlorodifluoromethane	93	96	28-136	4	30				
1,1-Dichloroethane	89	91	81-126	3	30				
1,2-Dichloroethane	96	98	82-135	2	30				
1,1-Dichloroethene	95	97	86-132	2	30				
cis-1,2-Dichloroethene	94	96	82-129	2	30				
trans-1,2-Dichloroethene	98	98	88-127	0	30				
1,2-Dichloropropane	89*	92	91-126	4	30				
cis-1,3-Dichloropropene	85	90	74-132	5	30				
trans-1,3-Dichloropropene	85	92	71-128	7	30				
Ethyl Methacrylate	81	87	73-134	7	30				
Ethylbenzene	97	100	80-140	3	30				
2-Hexanone	86	91	51-149	6	30				
Isobutyl Alcohol	106	110	65-146	3	30				
Methacrylonitrile	120	129	58-155	7	30				
Methyl Iodide	101	103	71-137	1	30				
Methyl Methacrylate	111	123	48-152	11	30				
4-Methyl-2-pentanone	86	91	69-149	5	30				
Methylene Chloride	92	92	77-135	1	30				
Pentachloroethane	88	108	68-145	20	30				
Propionitrile	99	122	63-147	21	30				
Styrene	98	101	71-138	3	30				
1,1,1,2-Tetrachloroethane	98	101	87-126	4	30				

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Quality Control Summary

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Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,1,2,2-Tetrachloroethane	92	96	75-131	5	30				
Tetrachloroethene	101	103	75-129	2	30				
Toluene	95	99	83-127	4	30				
1,1,1-Trichloroethane	97	99	85-140	2	30				
1,1,2-Trichloroethane	96	99	85-129	4	30				
Trichloroethene	101	102	85-131	1	30				
Trichlorofluoromethane	105	109	73-139	4	30				
1,2,3-Trichloropropane	99	102	76-120	3	30				
Xylene (Total)	97	100	81-137	4	30				
Batch number: C143301AA	Sample number(s): 7683202 UNSPK: P686518								
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
Batch number: Y143242AA	Sample number(s): 7683196,7683201,7683203,7683205,7683207,7683209 UNSPK: P682369								
Acrolein	80	81	39-136	1	30				
Acrylonitrile	70	72	51-125	2	30				
Batch number: 14328WAF026	Sample number(s): 7683195,7683197-7683199 UNSPK: 7683197								
Acetophenone	92	95	77-114	3	30				
2-Acetylaminofluorene	103	103	79-137	1	30				
4-Aminobiphenyl	68	72	10-91	5	30				
Aniline	68	74	22-103	9	30				
Benzyl alcohol	87	91	62-101	4	30				
1,1'-Biphenyl	91	94	73-114	3	30				
4-Bromophenyl-phenylether	97	100	76-124	3	30				
Butylbenzylphthalate	94	95	76-124	1	30				
Di-n-butylphthalate	94	95	79-118	0	30				
4-Chloro-3-methylphenol	93	94	19-155	1	30				
4-Chloroaniline	74	81	34-122	8	30				
Chlorobenzilate	89	87	63-146	3	30				
bis(2-Chloroethoxy)methane	92	97	73-115	5	30				
bis(2-Chloroethyl)ether	91	93	77-113	2	30				
bis(2-Chloroisopropyl)ether	90	93	61-116	3	30				
2-Chloronaphthalene	92	95	64-134	3	30				
2-Chlorophenol	91	93	27-146	2	30				
4-Chlorophenyl-phenylether	95	98	73-117	3	30				
Diallate trans/cis	103	104	75-130	1	30				
Dibenzofuran	94	96	71-116	2	30				
1,2-Dichlorobenzene	86	90	76-107	4	30				
1,3-Dichlorobenzene	82	85	68-107	4	30				
1,4-Dichlorobenzene	85	88	59-115	4	30				
3,3'-Dichlorobenzidine	82	84	16-128	2	30				
2,4-Dichlorophenol	93	94	31-147	0	30				
2,6-Dichlorophenol	96	97	75-116	1	30				
Diethylphthalate	85	87	69-118	1	30				
Dimethoate	46	40	10-112	14	30				
p-Dimethylaminoazobenzene	98	98	82-132	1	30				
3,3'-Dimethylbenzidine	37	39	25-83	6	30				
7,12-Dimethylbenz[a]anthracene	98	99	58-124	1	30				
2,4-Dimethylphenol	87	88	40-133	2	30				
Dimethylphthalate	65	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	100	100	36-151	0	30				

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Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,3-Dinitrobenzene	94	96	82-122	2	30				
2,4-Dinitrophenol	57	64	20-168	11	30				
2,4-Dinitrotoluene	98	101	72-133	2	30				
2,6-Dinitrotoluene	98	101	79-127	2	30				
1,4-Dioxane	70	72	48-83	3	30				
Diphenyl ether	90	97	81-105	3	30				
Ethyl methanesulfonate	94	95	81-112	1	30				
bis(2-Ethylhexyl)phthalate	103	106	73-129	2	30				
Hexachlorobenzene	92	95	72-124	3	30				
Hexachlorobutadiene	77	80	53-126	3	30				
Hexachlorocyclopentadiene	68	72	26-142	5	30				
Hexachloroethane	75	78	50-119	3	30				
Hexachloropropene	85	84	67-132	2	30				
Isodrin	103	103	67-136	1	30				
Isophorone	99	101	67-139	2	30				
Isosafrole	98	99	74-104	0	30				
Methapyrilene	109	129	70-130	17	30				
Methyl methanesulfonate	88	89	37-93	1	30				
3-Methylcholanthrene	100	101	80-117	1	30				
2-Methylphenol	90	92	26-135	2	30				
4-Methylphenol	90	92	13-128	2	30				
1,4-Naphthoquinone	15*	0*	70-130	200*	30				
1-Naphthylamine	52	59	10-110	12	30				
2-Naphthylamine	54	63	10-101	15	30				
5-Nitro-o-toluidine	76	83	34-112	9	30				
2-Nitroaniline	98	103	76-132	5	30				
3-Nitroaniline	80	86	49-124	6	30				
4-Nitroaniline	86	90	43-126	3	30				
Nitrobenzene	93	95	69-127	2	30				
2-Nitrophenol	96	98	53-147	1	30				
4-Nitrophenol	71	73	10-116	1	30				
4-Nitroquinoline-1-oxide	80	79	50-120	2	30				
N-Nitroso-di-n-propylamine	92	95	70-123	2	30				
N-Nitrosodi-n-butylamine	85	88	65-111	2	30				
N-Nitrosodiethylamine	94	97	80-102	2	30				
N-Nitrosodimethylamine	74	76	37-80	2	30				
N-Nitrosodiphenylamine	94	95	75-124	1	30				
N-Nitrosomethylethylamine	92	91	72-115	1	30				
N-Nitrosomorpholine	88	90	71-115	2	30				
N-Nitrosopiperidine	95	95	84-117	0	30				
N-Nitrosopyrrolidine	94	95	72-120	1	30				
Di-n-octylphthalate	106	110	71-137	3	30				
Pentachlorobenzene	95	96	82-119	1	30				
Pentachloronitrobenzene	95	97	82-116	1	30				
Pentachlorophenol	71	68	23-133	6	30				
Phenacetin	95	96	67-141	1	30				
Phenol	60	62	10-107	2	30				
2-Picoline	81	87	44-96	7	30				
Pronamide	93	96	82-131	3	30				
Pyridine	66	73	12-94	9	30				
Safrole	92	94	86-107	2	30				
1,2,4,5-Tetrachlorobenzene	87	90	79-114	3	30				

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Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
2,3,4,6-Tetrachlorophenol	98	99	56-131	1	30				
Tetraethyldithiopyrophosphate	94	95	77-120	0	30				
Thionazin	97	99	72-117	2	30				
o-Toluidine	60	67	10-106	11	30				
1,2,4-Trichlorobenzene	88	92	68-119	4	30				
2,4,5-Trichlorophenol	91	93	37-148	2	30				
2,4,6-Trichlorophenol	94	96	19-162	1	30				
O,O,O-Triethylphosphorothioate	97	99	75-128	2	30				
1,3,5-Trinitrobenzene	51	47	35-129	9	30				
Batch number: 14328WAG026 Sample number(s): 7683195,7683197-7683199 UNSPK: 7683197									
Acenaphthene	116	121	69-134	8	30				
Acenaphthylene	98	99	66-132	5	30				
Anthracene	106	108	64-129	6	30				
Benzo(a)anthracene	114	115	37-135	6	30				
Benzo(a)pyrene	103	99	32-137	1	30				
Benzo(b)fluoranthene	116	114	41-137	2	30				
Benzo(g,h,i)perylene	97	91	21-127	1	30				
Benzo(k)fluoranthene	111	112	36-139	5	30				
Chrysene	114	115	51-129	5	30				
Dibenz(a,h)anthracene	115	109	17-134	1	30				
Fluoranthene	99	106	53-133	11	30				
Fluorene	110	110	59-137	5	30				
Indeno(1,2,3-cd)pyrene	111	105	26-130	1	30				
2-Methylnaphthalene	97	100	64-129	7	30				
Naphthalene	99	101	58-131	6	30				
Phenanthrene	106	102	66-126	1	30				
Pyrene	104	109	49-136	9	30				
Batch number: 143295713004 Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197									
BKG: 7683197									
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001 Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197									
BKG: 7683197									
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143300639001A Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197									
BKG: 7683197									
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20

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Group Number: 1520127

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

Batch number: 14324987151A

Sample number(s): 7683195,7683197-7683198,7683200,7683202 UNSPK: 7683197 BKG: 7683197

Nitrate Nitrogen

106 90-110 0.25 U 0.25 U 0 (1) 20

Batch number: 14328022101A

Sample number(s): 7683195,7683197-7683200,7683202 UNSPK: 7683197 BKG: 7683197

Ammonia Nitrogen

97 98 80-112 1 8 0.20 U 0.20 U 0 (1) 6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7683195	102	101	97	96
7683197	103	100	97	96
7683202	103	101	97	96
7683204	103	100	96	95
7683206	104	102	97	96
7683208	101	103	96	95
Blank	103	101	97	96
LCS	102	102	98	100
LCSD	102	102	97	97
MS	103	101	98	99
MSD	102	100	98	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143241AA

	Dibromofluoromethane
7683195	101
7683197	100
7683202	101
7683204	99
7683206	98
7683208	101
Blank	102
LCS	100
LCSD	100
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:49 AM

Group Number: 1520127

Surrogate Quality Control

Batch number: Y143242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7683196	109	103	96	90
7683201	108	105	96	90
7683203	109	104	96	90
7683205	109	104	95	90
7683207	109	104	95	89
7683209	110	105	96	89
Blank	106	105	96	92
LCS	106	103	98	99
MS	106	100	98	99
MSD	104	103	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)

Batch number: 14328WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7683195	40	56	78	78	77	87
7683197	41	59	81	85	82	93
7683198	55	73	96	91	88	86
7683199	56	75	97	92	89	95
Blank	55	76	100	97	96	113
LCS	58	76	95	89	87	98
MS	55	73	96	91	88	86
MSD	56	75	97	92	89	95
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds

Batch number: 14328WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7683195	103	123	103
7683197	107	94	105
7683198	98	106	101
7683199	105	105	106
Blank	96	104	89
LCS	103	117	105
MS	98	106	101
MSD	105	105	106
Limits:	56-134	36-156	59-132

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<$ CRDL, but \geq IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

January 06, 2015

Project: BRE - GW

Submittal Date: 12/16/2014

Group Number: 1526020

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-106B Groundwater
SSP14-GW-MW-106B-A Groundwater
SSP14-GW-MW-214 Groundwater
SSP14-GW-MW-214-A Groundwater
SSP14-GW-MW-209A Groundwater
SSP14-GW-MW-209A-A Groundwater
SSP14-GW-MW-209B Groundwater
SSP14-GW-MW-209B-A Groundwater
TB-121514 Blank Water
TB-121514-A Blank Water
TB-121514-2 Blank Water
TB-121514-2-A Blank Water

Lancaster Labs (LL)

7713957
7713958
7713959
7713960
7713961
7713962
7713963
7713964
7713965
7713966
7713967
7713968

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-106B Groundwater
GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B106B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.3 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.2 J		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.3 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.2 J		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-106B Groundwater
GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B106B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL						
purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	ug/l	ug/l	1
02898	Vinyl Acetate	108-05-4	0.2 U	ug/l	ug/l	1
02898	Xylene (Total)	1330-20-7	0.1 U	ug/l	ug/l	1
GC/MS Volatiles SW-846 8260B SIM						
06008	Vinyl Chloride	75-01-4	0.042 J	ug/l	ug/l	1
GC/MS Semivolatiles SW-846 8270D						
10461	1,1'-Biphenyl	92-52-4	0.6 U	ug/l	ug/l	1
10461	Diphenyl ether	101-84-8	0.6 U	ug/l	ug/l	1
GC Miscellaneous SW-846 8015C Feb 2007						
Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U	mg/l	mg/l	1
12926	Ethylene glycol	107-21-1	8.0 U	mg/l	mg/l	1
12926	Propylene glycol	57-55-6	8.0 U	mg/l	mg/l	1
12926	Triethylene glycol	112-27-6	8.0 U	mg/l	mg/l	1
Metals SW-846 6010C						
07046	Barium	7440-39-3	0.0014 J	mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.00067 U	mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0013 U	mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0010 U	mg/l	mg/l	1
07053	Copper	7440-50-8	0.0028 U	mg/l	mg/l	1
01754	Iron	7439-89-6	0.0334 U	mg/l	mg/l	1
07058	Manganese	7439-96-5	0.0295 U	mg/l	mg/l	1
07061	Nickel	7440-02-0	0.0016 U	mg/l	mg/l	1
07036	Selenium	7782-49-2	0.0048 U	mg/l	mg/l	1
07066	Silver	7440-22-4	0.0018 U	mg/l	mg/l	1
07069	Tin	7440-31-5	0.0024 U	mg/l	mg/l	1
07071	Vanadium	7440-62-2	0.0019 U	mg/l	mg/l	1
07072	Zinc	7440-66-6	0.0030 J	mg/l	mg/l	1
SW-846 6020A						
06024	Antimony	7440-36-0	0.00033 U	mg/l	mg/l	1
06025	Arsenic	7440-38-2	0.00082 U	mg/l	mg/l	1
06028	Cadmium	7440-43-9	0.00017 U	mg/l	mg/l	1
06035	Lead	7439-92-1	0.000082 U	mg/l	mg/l	1
06045	Thallium	7440-28-0	0.00015 U	mg/l	mg/l	1
SW-846 7470A						
00259	Mercury	7439-97-6	0.000060 U	mg/l	mg/l	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-106B Groundwater
GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B106B

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143512AA	12/18/2014 02:42	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 13:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 02:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 13:43	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAO026	12/24/2014 16:07	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580017A	12/24/2014 12:59	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:44	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:39	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:39	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:39	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:39	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:39	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:45	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-106B Groundwater
GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B106B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143495713002	12/18/2014 11:24	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-106B-A Groundwater
GW 2014

LL Sample # WW 7713958
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

106BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 17:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:25	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B214-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.3 J		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.3 J		0.1	0.5	1
02898	Chloroethane	75-00-3	0.5 J		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.2 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.4 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B214-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.52	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B214-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	13	1	5	1
10461	Diphenyl ether	101-84-8	4	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	15 U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	25 U	25	60	1
10461	1-Naphthylamine	134-32-7	5 U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B214-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U		76	300	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.050	1
12971	Naphthalene	91-20-3	0.10 U		0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.050	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0206 U		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B214-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0121		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	55.6		0.0334	0.400	1
07058	Manganese	7439-96-5	1.45		0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0055 J		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.360		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0015 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0018		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0019 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143512AA	12/18/2014 03:05	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:05	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:04	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 18:57	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 21:15	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580017A	12/24/2014 13:13	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

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Iron Hill Corporate Center
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Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B214-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 09:53	Katlin N Cataldi	5
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:51	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143495713002	12/18/2014 11:24	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-214-A Groundwater
GW 2014

LL Sample # WW 7713960
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B214A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 17:48	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:48	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B209A

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	31	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	77	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209A

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	2		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	62	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	62	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B209A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	77 U	77	310	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.011 J	0.010	0.051	1
12971	Naphthalene	91-20-3	0.054 J	0.031	0.062	1
12971	Phenanthrene	85-01-8	0.031 U	0.031	0.062	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.051	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0375	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0033 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0031 J	0.0028	0.0200	1
01754	Iron	7439-89-6	11.4	0.0334	0.400	1
07058	Manganese	7439-96-5	0.594	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B209A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00027 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143512AA	12/18/2014 03:27	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:27	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 19:26	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 22:10	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:53	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143495713002	12/18/2014 11:24	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209A-A Groundwater
GW 2014

LL Sample # WW 7713962
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

209AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 18:12	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 18:12	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B209B

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	31	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	78	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209B

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	3	J	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	62	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	62	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78 U	78	310	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	16	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.052	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.052	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.052	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.011 J	0.010	0.052	1
12971	Naphthalene	91-20-3	0.056 J	0.031	0.062	1
12971	Phenanthrene	85-01-8	0.031 U	0.031	0.062	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.052	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0143	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0014 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.195 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0141	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

B209B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00023 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143512AA	12/18/2014 03:49	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:44	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:49	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:44	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 19:55	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 22:38	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:05	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

B209B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:55	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143495713002	12/18/2014 11:24	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-209B-A Groundwater
GW 2014

LL Sample # WW 7713964
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

209BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 18:36	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 18:36	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514 Blank Water
GW 2014

LL Sample # WW 7713965
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

BT15-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514 Blank Water
GW 2014

LL Sample # WW 7713965
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

BT15-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143512AA	12/17/2014 23:44	Sara E Johnson	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 13:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/17/2014 23:44	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 13:03	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514-A Blank Water
GW 2014

LL Sample # WW 7713966
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20

Reported: 01/06/2015 10:03

BT15A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 16:37	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 16:37	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514-2 Blank Water
GW 2014

LL Sample # WW 7713967
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

BT152

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514-2 Blank Water
GW 2014

LL Sample # WW 7713967
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

BT152

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143512AA	12/18/2014 00:06	Sara E Johnson	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 13:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 00:06	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 13:23	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121514-2-A Blank Water
GW 2014

LL Sample # WW 7713968
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

T152A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143521AA	12/18/2014 17:01	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:01	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143512AA	Sample number(s): 7713957,7713959,7713961,7713963,7713965,7713967								
Acetone	3.0	U	3.0	5.0	ug/l	95	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	104	50-145	6	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	105	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	94	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	94	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	93	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	84	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	83	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	101	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	103	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	93	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	94	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	97	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	88	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	96	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	73	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	93	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	94	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	98	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	94	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	45	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	47	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	93	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	95	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	92	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	94	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	94	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	95	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	89	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	92	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	90	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	97	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	102	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	100	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	95	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	91	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	97	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	95	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	94	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	101	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	99	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	97	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	100		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	91		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	96		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	92		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	97		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	90		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	101		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	87	86	38-145	2	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	96		80-120		
Batch number: E143561AA	Sample number(s): 7713957,7713959,7713961,7713963,7713965,7713967								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	121	120	70-130	1	30
Batch number: T143521AA	Sample number(s): 7713958,7713960,7713962,7713964,7713966,7713968								
Acrolein	40 U	40.	100	ug/l	94		59-120		
Acrylonitrile	4 U	4.	20	ug/l	100		62-120		
Batch number: 14352WA0026	Sample number(s): 7713957,7713959,7713961,7713963								
Acetophenone	0.5 U	0.5	1	ug/l	94		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	111		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	59		34-95		
Aniline	0.5 U	0.5	1	ug/l	57		34-97		
Benzyl alcohol	10 U	10.	30	ug/l	82		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	94		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	100		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	102		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	95		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	79		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	62		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	84		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	95		77-115		
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	93		78-112		
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	91		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	99		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	80		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	97		78-119		
Diallate trans/cis	1 U	1.	5	ug/l	104		80-126		
Dibenzofuran	0.5 U	0.5	1	ug/l	97		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	88		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	83		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	85		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	85		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	84		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	87		83-121		
Diethylphthalate	2 U	2.	5	ug/l	82		70-118		
Dimethoate	3 U	3.	10	ug/l	37		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	86		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	27		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	91		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	62		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	92		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	68		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	96		84-126		

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	99		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	96		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	94		77-113		
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	107		78-124		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	98		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	42		18-130		
Hexachloroethane	1 U	1.	5	ug/l	71		55-109		
Hexachloropropene	2 U	2.	5	ug/l	70		47-121		
Isodrin	0.5 U	0.5	1	ug/l	106		83-119		
Isophorone	0.5 U	0.5	1	ug/l	99		81-124		
Isosafrole	2 U	2.	5	ug/l	101		68-150		
Methapyrilene	15 U	15.	50	ug/l	104		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	85		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	101		84-117		
2-Methylphenol	0.5 U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	78		56-109		
1,4-Naphthoquinone	25 U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	39		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	44		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	68		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	73		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	81		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	96		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	89		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	64		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	79		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	92		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	84		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	96		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	72		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	94		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	91		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	84		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	95		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	89		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	103		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	100		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	102		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	85		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	91		81-120		
Phenol	0.5 U	0.5	1	ug/l	53		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	77		57-110		
Pronamide	0.5 U	0.5	1	ug/l	96		78-125		
Pyridine	2 U	2.	5	ug/l	66		22-96		
Safrole	2 U	2.	5	ug/l	94		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	95		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	88		76-128		
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	93		75-114		
Thionazin	2 U	2.	5	ug/l	93		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	49		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	92		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	82		81-121		

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	86		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	101		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	38		12-129		
Batch number: 14352WAP026	Sample number(s): 7713959,7713961,7713963								
Acenaphthene	0.010 U	0.010	0.050	ug/l	105	103	82-126	2	30
Acenaphthylene	0.010 U	0.010	0.050	ug/l	109	108	72-124	1	30
Anthracene	0.010 U	0.010	0.050	ug/l	111	108	83-125	3	30
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	107	107	79-122	0	30
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	103	106	72-126	3	30
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	116	120	79-136	3	30
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	74	96	59-137	26	30
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	103	108	72-129	4	30
Chrysene	0.010 U	0.010	0.050	ug/l	111	110	77-122	1	30
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	66	100	42-143	41*	30
Fluoranthene	0.010 U	0.010	0.050	ug/l	107	105	76-121	2	30
Fluorene	0.010 U	0.010	0.050	ug/l	111	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	78	98	53-136	23	30
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	103	101	68-124	2	30
Naphthalene	0.030 U	0.030	0.060	ug/l	107	102	78-117	5	30
Phenanthrene	0.030 U	0.030	0.060	ug/l	107	104	83-116	3	30
Pyrene	0.010 U	0.010	0.050	ug/l	104	103	70-124	2	30
Batch number: 143580017A	Sample number(s): 7713957,7713959								
Diethylene glycol	8.0 U	8.0	10	mg/l	91		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	95		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	94		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	78		46-118		
Batch number: 143495713002	Sample number(s): 7713957,7713959,7713961,7713963								
Mercury	0.000060 U	0.00006	0.00020	mg/l	92		80-120		
		0							
Batch number: 143560636001	Sample number(s): 7713957,7713959,7713961,7713963								
Barium	0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143580639001A	Sample number(s): 7713957,7713959,7713961,7713963								
Antimony	0.00033 U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	100		80-120		
	U	2							
Thallium	0.00015 U	0.00015	0.0010	mg/l	100		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: C143512AA	Sample number(s): 7713957, 7713959, 7713961, 7713963, 7713965, 7713967 UNSPK: P713900								
Acetone	113	101	57-163	11	30				
Allyl Chloride	112	110	61-120	2	30				
Benzene	101	97	87-126	4	30				
Bromochloromethane	103	100	82-125	3	30				
Bromodichloromethane	99	94	82-133	5	30				
Bromoform	87	84	60-138	4	30				
Bromomethane	94	86	66-130	9	30				
2-Butanone	104	97	56-160	7	30				
Carbon Disulfide	115	108	84-141	6	30				
Carbon Tetrachloride	108	102	81-148	6	30				
2-Chloro-1,3-butadiene	104	101	78-128	4	30				
Chlorobenzene	104	99	78-133	4	30				
Chloroethane	96	90	70-139	6	30				
Chloroform	105	100	86-136	5	30				
Chloromethane	79	73	49-135	8	30				
1,2-Dibromo-3-chloropropane	103	93	53-163	11	30				
Dibromochloromethane	98	93	79-125	5	30				
1,2-Dibromoethane	100	98	84-127	1	30				
Dibromomethane	98	93	83-126	5	30				
trans-1,4-Dichloro-2-butene	56	51	11-172	10	30				
Dichlorodifluoromethane	56	50	28-136	12	30				
1,1-Dichloroethane	100	97	81-126	3	30				
1,2-Dichloroethane	101	97	82-135	4	30				
1,1-Dichloroethene	106	97	86-132	9	30				
cis-1,2-Dichloroethene	100	97	82-129	4	30				
trans-1,2-Dichloroethene	105	101	88-127	4	30				
1,2-Dichloropropane	101	97	91-126	4	30				
cis-1,3-Dichloropropene	91	88	74-132	4	30				
trans-1,3-Dichloropropene	92	90	71-128	3	30				
Ethyl Methacrylate	89	87	73-134	2	30				
Ethylbenzene	104	101	80-140	3	30				
2-Hexanone	96	93	51-149	3	30				
Isobutyl Alcohol	106	99	65-146	7	30				
Methacrylonitrile	106	96	58-155	10	30				
Methyl Iodide	104	98	71-137	6	30				
Methyl Methacrylate	97	87	48-152	10	30				
4-Methyl-2-pentanone	96	92	69-149	4	30				
Methylene Chloride	101	98	77-135	3	30				
Pentachloroethane	101	99	68-145	3	30				
Propionitrile	103	92	63-147	11	30				
Styrene	105	101	71-138	4	30				
1,1,1,2-Tetrachloroethane	103	100	87-126	3	30				
1,1,2,2-Tetrachloroethane	100	97	75-131	4	30				
Tetrachloroethene	101	99	75-129	2	30				
Toluene	103	100	83-127	3	30				
1,1,1-Trichloroethane	104	99	85-140	5	30				
1,1,2-Trichloroethane	100	96	85-129	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Trichloroethene	105	102	85-131	3	30				
Trichlorofluoromethane	111	100	73-139	10	30				
1,2,3-Trichloropropane	103	98	76-120	5	30				
Xylene (Total)	103	100	81-137	3	30				
Batch number: T143521AA	Sample number(s): 7713958,7713960,7713962,7713964,7713966,7713968 UNSPK: P710441								
Acrolein	81	80	39-136	1	30				
Acrylonitrile	101	103	51-125	2	30				
Batch number: 14352WAO026	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P715066								
Acetophenone	94	95	77-114	3	30				
2-Acetylaminofluorene	111	115	79-137	5	30				
4-Aminobiphenyl	65	70	10-91	9	30				
Aniline	61	65	22-103	9	30				
Benzyl alcohol	71	77	62-101	10	30				
1,1'-Biphenyl	97	95	73-114	0	30				
4-Bromophenyl-phenylether	99	102	76-124	4	30				
Butylbenzylphthalate	102	105	76-124	5	30				
Di-n-butylphthalate	95	99	79-118	6	30				
4-Chloro-3-methylphenol	87	88	19-155	3	30				
4-Chloroaniline	67	71	34-122	9	30				
Chlorobenzilate	96	100	63-146	6	30				
bis(2-Chloroethoxy)methane	94	94	73-115	2	30				
bis(2-Chloroethyl)ether	92	92	77-113	2	30				
bis(2-Chloroisopropyl)ether	89	90	61-116	3	30				
2-Chloronaphthalene	100	98	64-134	0	30				
2-Chlorophenol	90	89	27-146	1	30				
4-Chlorophenyl-phenylether	98	98	73-117	1	30				
Diallate trans/cis	103	106	75-130	5	30				
Dibenzofuran	98	97	71-116	0	30				
1,2-Dichlorobenzene	88	87	76-107	0	30				
1,3-Dichlorobenzene	84	82	68-107	1	30				
1,4-Dichlorobenzene	87	85	59-115	1	30				
3,3'-Dichlorobenzidine	80	83	16-128	5	30				
2,4-Dichlorophenol	94	94	31-147	1	30				
2,6-Dichlorophenol	99	98	75-116	1	30				
Diethylphthalate	84	83	69-118	0	30				
Dimethoate	41	40	10-112	1	30				
p-Dimethylaminoazobenzene	100	105	82-132	6	30				
3,3'-Dimethylbenzidine	25	26	25-83	4	30				
7,12-Dimethylbenz[a]anthracene	77	85	58-124	11	30				
2,4-Dimethylphenol	76	77	40-133	3	30				
Dimethylphthalate	66	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	98	102	36-151	5	30				
1,3-Dinitrobenzene	91	93	82-122	4	30				
2,4-Dinitrophenol	78	77	20-168	0	30				
2,4-Dinitrotoluene	95	96	72-133	3	30				
2,6-Dinitrotoluene	98	97	79-127	1	30				
1,4-Dioxane	71	69	48-83	1	30				
Diphenyl ether	97	96	81-105	0	30				
Ethyl methanesulfonate	95	94	81-112	1	30				
bis(2-Ethylhexyl)phthalate	109	114	73-129	6	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Hexachlorobenzene	97	99	72-124	3	30				
Hexachlorobutadiene	86	87	53-126	3	30				
Hexachlorocyclopentadiene	90	90	26-142	1	30				
Hexachloroethane	77	74	50-119	1	30				
Hexachloropropene	92	94	67-132	4	30				
Isodrin	105	107	67-136	3	30				
Isophorone	99	101	67-139	3	30				
Isosafrole	104	101	74-104	1	30				
Methapyrilene	106	100	70-130	4	30				
Methyl methanesulfonate	86	86	37-93	1	30				
3-Methylcholanthrene	101	105	80-117	6	30				
2-Methylphenol	88	87	26-135	1	30				
4-Methylphenol	84	84	13-128	1	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	44	47	10-110	10	30				
2-Naphthylamine	45	49	10-101	9	30				
5-Nitro-o-toluidine	74	76	34-112	4	30				
2-Nitroaniline	97	99	76-132	4	30				
3-Nitroaniline	76	80	49-124	6	30				
4-Nitroaniline	79	81	43-126	4	30				
Nitrobenzene	97	97	69-127	2	30				
2-Nitrophenol	103	104	53-147	2	30				
4-Nitrophenol	77	77	10-116	1	30				
4-Nitroquinoline-1-oxide	73	79	50-120	9	30				
N-Nitroso-di-n-propylamine	90	92	70-123	4	30				
N-Nitrosodi-n-butylamine	84	86	65-111	4	30				
N-Nitrosodiethylamine	96	97	80-102	3	30				
N-Nitrosodimethylamine	70	70	37-80	1	30				
N-Nitrosodiphenylamine	93	96	75-124	5	30				
N-Nitrosomethylethylamine	91	91	72-115	2	30				
N-Nitrosomorpholine	85	85	71-115	2	30				
N-Nitrosopiperidine	95	97	84-117	4	30				
N-Nitrosopyrrolidine	90	91	72-120	3	30				
Di-n-octylphthalate	107	111	71-137	5	30				
Pentachlorobenzene	101	99	82-119	1	30				
Pentachloronitrobenzene	131*	132*	82-116	2	30				
Pentachlorophenol	222 (2)	191 (2)	23-133	5	30				
Phenacetin	93	96	67-141	5	30				
Phenol	58	57	10-107	0	30				
2-Picoline	76	79	44-96	5	30				
Pronamide	90	89	82-131	1	30				
Pyridine	60	64	12-94	9	30				
Safrole	95	94	86-107	0	30				
1,2,4,5-Tetrachlorobenzene	96	95	79-114	1	30				
2,3,4,6-Tetrachlorophenol	101	99	56-131	0	30				
Tetraethyldithiopyrophosphate	95	100	77-120	7	30				
Thionazin	95	94	72-117	0	30				
o-Toluidine	57	61	10-106	9	30				
1,2,4-Trichlorobenzene	94	94	68-119	2	30				
2,4,5-Trichlorophenol	95	93	37-148	0	30				
2,4,6-Trichlorophenol	99	97	19-162	0	30				
O,O,O-Triethylphosphorothioate	101	100	75-128	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Sample Matrix Quality Control

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1,3,5-Trinitrobenzene	38	39	35-129	4	30			
Batch number: 143580017A	Sample number(s): 7713957,7713959 UNSPK: P711223							
Diethylene glycol	106	95	52-122	10	20			
Ethylene glycol	116	103	54-123	12	20			
Propylene glycol	118	104	55-131	13	20			
Triethylene glycol	84	80	33-123	5	20			
Batch number: 143495713002	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P709785 BKG: P709785							
Mercury	103	103	75-125	1	20	0.000060 U	0.000060 U	0 (1) 20
Batch number: 143560636001	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P720354 BKG: P720354							
Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1) 20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1) 20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1) 20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1) 20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1) 20
Iron	100	101	75-125	1	20	0.398 J	0.441	10 (1) 20
Manganese	196 (2)	220 (2)	75-125	2	20	5.68	5.67	0 20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1) 20
Selenium	105	105	75-125	0	20	0.0048 U	0.0048 U	0 (1) 20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1) 20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1) 20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1) 20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1) 20
Batch number: 143580639001A	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P720354 BKG: P720354							
Antimony	99	94	75-125	6	20	0.00033 U	0.00033 U	0 (1) 20
Arsenic	96	104	75-125	7	20	0.00082 U	0.00082 U	0 (1) 20
Cadmium	101	97	75-125	4	20	0.00017 U	0.00017 U	0 (1) 20
Lead	98	96	75-125	2	20	0.00013 J	0.00010 J	26* (1) 20
Thallium	98	92	75-125	6	20	0.00015 U	0.00015 U	0 (1) 20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143512AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7713957	101	100	98	97
7713959	103	101	99	98
7713961	102	101	98	96
7713963	103	102	98	96
7713965	102	101	98	95
7713967	102	103	99	97
Blank	99	102	100	98
LCS	100	101	101	100

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Quality Control Summary

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Reported: 01/06/15 at 10:03 AM

Group Number: 1526020

Surrogate Quality Control

LCSD	100	100	99	99
MS	102	101	100	100
MSD	101	101	101	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143561AA

Dibromofluoromethane

7713957	99
7713959	98
7713961	99
7713963	99
7713965	100
7713967	99
Blank	100
LCS	97
LCSD	97

Limits: 80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143521AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

7713958	109	103	97	95
7713960	110	103	94	96
7713962	113	107	95	95
7713964	114	103	98	97
7713966	109	100	94	93
7713968	109	100	97	96
Blank	109	102	94	95
LCS	108	103	99	104
MS	108	104	97	100
MSD	108	104	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAO026

Phenol-d6 2-Fluorophenol 2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14

7713957					
7713959	9*	8*	47	84	91
7713961	25	30	36	83	84
7713963	42	59	83	85	86
Blank	39	55	81	78	76
LCS	49	63	86	93	92
MS	53	72	95	92	94
MSD	52	70	93	93	92
Limits:	10-83	10-107	22-150	60-123	67-116
					40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAP026

Fluoranthene-d10 Benzo(a)pyrene-d12 1-Methylnaphthalene-d10

7713959	90	109	96
7713961	100	103	96
7713963	91	97	89
Blank	117	134	104

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Quality Control Summary

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Group Number: 1526020

Surrogate Quality Control

LCS	104	115	101
LCSD	101	116	98
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143580017A
Tetramethylene glycol

7713957	88
7713959	105
Blank	92
LCS	94
MS	114
MSD	97
Limits:	54-136

*- Outside of specification

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1526000 Sample Nos.: 7713957-68

Acc't: 06643 SF: 218684 SCR No.: 163612

Cooler No.: C27512 **30572**

Cooler Temperature upon receipt: 0.2 °C

Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:	
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		APPIX SVs (8270D) Glycols (8015C) APPIX Metals+Fe,Mn (6010/6020/7470A) PAHs (8270D SIM) DOWtherm + 1,4-Dioxane (8270D) Biphenyl + Diphenyl Ether (8270D)										GW	
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646													
1300 Staton Road		Release No.:													
Cedar Mountain NC 28718		PO Number: LBIO-67047													
Sampler(s): <u>T. Obvey, M. Johnson</u>		Project Name: GW 2014													
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	DOWtherm + 1,4-Dioxane (8270D)	Biphenyl + Diphenyl Ether (8270D)	Condition upon receipt:
SSP14-GW-MW-212B					WW	250	HNO3	1			X				KT 11/21/14
SSP14-GW-MW-212B					WW	250	None	3	X			X	X		KT 11/21/14
SSP14-GW-MW-214			<u>12/15/14</u>	<u>1544</u>	WW	250	HNO3	1			X				<u>Intact</u>
SSP14-GW-MW-214					WW	250	None	3	X			X	X		
SSP14-GW-MW-214					WW	40	None	2		X					
SSP14-GW-MW-106B					WW	250	HNO3	1			X				
SSP14-GW-MW-106B					WW	250	NONE	2					X		
SSP14-GW-MW-106B					WW	40	NONE	2		X					
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:					
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time						
<u>J. Obvey</u>			<u>12/15/14</u>	<u>1730</u>	<u>J. Obvey</u>			<u>10/23/14</u>	<u>1200</u>						
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time						
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time						
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time						
					<u>J. Obvey</u>			<u>12/16/14</u>	<u>1020</u>						

Client: DUPONT BREVARD

GW 2014

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>12/16/2014 10:20</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	9
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 6 HCL, 3 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 10:56 on 12/16/2014

Samples Chilled Details: GW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.3	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

January 06, 2015

Project: BRE - GW

Submittal Date: 12/20/2014

Group Number: 1527336

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-GW-BR-3 Groundwater	7721984
SSP14-GW-BR-3-A Groundwater	7721985
SSP14-GW-MW-111B Groundwater	7721986
SSP14-GW-MW-111B-A Groundwater	7721987
SSP14-GW-BR-9 Groundwater	7721988
SSP14-GW-BR-9-A Groundwater	7721989
SSP14-GW-BR-11 Groundwater	7721990
SSP14-GW-BR-11 MS Groundwater	7721991
SSP14-GW-BR-11 MSD Groundwater	7721992
SSP14-GW-BR-11 Dupl Groundwater	7721993
SSP14-GW-BR-11-A Groundwater	7721994
SSP14-GW-BR-11-A MS Groundwater	7721995
SSP14-GW-BR-11-A MSD Groundwater	7721996
SSP14-GW-BR-11-D Groundwater	7721997
SSP14-GW-BR-11-A-D Groundwater	7721998
SSP14-GW-WSW-YMCA Groundwater	7721999
SSP14-GW-WSW-YMCA-A Groundwater	7722000
SSP14-GW-WSW-CMPGND Groundwater	7722001
SSP14-GW-WSW-CMPGND-A Groundwater	7722002
SSP14-GW-WSW-GUARD Groundwater	7722003
SSP14-GW-WSW-GUARD-A Groundwater	7722004
TB-121914-1 Blank Water	7722005
TB-121914-1-A Blank Water	7722006
SSP14-GW-R87-S5 Groundwater	7722007
SSP14-GW-R87-S5 MS Groundwater	7722008
SSP14-GW-R87-S5 Dupl Groundwater	7722009
SSP14-GW-R87-S5-D Groundwater	7722010
EB-121914 Blank Water	7722011
EB-121914-A Blank Water	7722012
TB-121914-2 Blank Water	7722013
TB-121914-2-A Blank Water	7722014

TB-121914-3 Blank Water	7722015
TB-121914-3-A Blank Water	7722016
SSP14-GW-WSW-WWT Groundwater	7722017
SSP14-GW-BR-5 Groundwater	7722018

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.2 J	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.2 J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.3 J	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.3 J	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.1	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	2.6	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.2 J	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.4 J	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 J	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	1	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	13	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.27	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U	11	32	1
10461	1,1'-Biphenyl	92-52-4	67	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27 U	27	80	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	7	1	5	1
10461	Diphenyl ether	101-84-8	200	3	5	5
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	16	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	16 U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	27 U	27	64	1
10461	1-Naphthylamine	134-32-7	5 U	5	16	1
10461	2-Naphthylamine	91-59-8	5 U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11 U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21 U	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	80 U	80	320	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	16	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.020 J	0.011	0.053	1
12971	Naphthalene	91-20-3	0.34	0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032 U	0.032	0.064	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.053	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.0217	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0013 U	0.0013

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-3-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	42.7		0.0334	0.400	1
07058	Manganese	7439-96-5	2.15		0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0021 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00042 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 02:46	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 02:46	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 18:29	Catherine E Bachman	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	01/05/2015 23:49	Catherine E Bachman	5
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 11:11	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 01:40	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-3-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 19:57	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:54	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:25	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:37	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:37	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:37	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:37	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:37	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:18	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-3-A Groundwater
GW 2014

LL Sample # WW 7721985
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-3A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 23:43	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 23:43	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-111B Groundwater
GW 2014

LL Sample # WW 7721986
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

M111B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	2.3	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.9	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	4.3	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.2 J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	22	1.0	5.0	10
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-111B Groundwater
GW 2014

LL Sample # WW 7721986
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

M111B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 03:29	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 03:50	Kevin A Sposito	10
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:01	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:28	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:39	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:39	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:39	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:39	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:39	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:24	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-111B-A Groundwater
GW 2014

LL Sample # WW 7721987
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

A111B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 00:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:07	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	4.9 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.8 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.2 J		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	3.2 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	29 U		1.0	5.0	10
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U	11	32	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U	26	79	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-9-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79 U		79	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.063	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.053	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0293		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0024 J		0.0013	0.0300

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-9-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0040 J	0.0028	0.0200	1
01754	Iron	7439-89-6	8.88	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0567	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0057 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0232 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0024 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 04:11	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 04:33	Kevin A Sposito	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 18:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 18:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 04:11	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 04:33	Kevin A Sposito	10
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 18:58	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 11:39	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 01:55	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-9-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:12	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:26	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-9-A Groundwater
GW 2014

LL Sample # WW 7721989
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-9A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 00:31	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:31	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.2 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	1.2 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	33	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27 U		27	82	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	27	U	27	65	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	22	U	22	65	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	82 U		82	330	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.054	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.054	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.054	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.054	1
12971	Naphthalene	91-20-3	0.033 U		0.033	0.065	1
12971	Phenanthrene	85-01-8	0.033 U		0.033	0.065	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.054	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l		
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.0071 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0145 J		0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	36.6	0.0334	0.400	1
07058	Manganese	7439-96-5	1.18	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0068 J	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0023 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000083 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/29/2014 23:35	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 13:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 13:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 23:35	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 17:03	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 09:48	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 02:40	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 19:13	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 18:51	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:47	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	46	3.0	5.0	1
02898	Acetonitrile	75-05-8	42	7.0	20	1
02898	Allyl Chloride	107-05-1	5.7	0.1	0.5	1
02898	Benzene	71-43-2	6.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	6.0	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.5	0.1	0.5	1
02898	Bromoform	75-25-2	4.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.3	0.1	0.5	1
02898	2-Butanone	78-93-3	42	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	6.3	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	6.3	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	6.0	0.1	0.5	1
02898	Chlorobenzene	108-90-7	6.0	0.1	0.5	1
02898	Chloroethane	75-00-3	5.3	0.1	0.5	1
02898	Chloroform	67-66-3	6.2	0.1	0.5	1
02898	Chloromethane	74-87-3	5.3	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.3	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.7	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.7	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	25	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	6.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.5	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.4	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	6.5	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	6.0	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.1	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.0	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	6.2	0.1	0.5	1
02898	2-Hexanone	591-78-6	26	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	150	10	25	1
02898	Methacrylonitrile	126-98-7	42	1.0	5.0	1
02898	Methyl Iodide	74-88-4	6.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.9	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	27	1.0	5.0	1
02898	Methylene Chloride	75-09-2	6.3	0.2	0.5	1
02898	Pentachloroethane	76-01-7	6.0	0.2	0.5	1
02898	Propionitrile	107-12-0	46	2.0	10	1
02898	Styrene	100-42-5	6.1	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	6.0	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	6.5	0.1	0.5	1
02898	Toluene	108-88-3	6.2	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	7.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.5	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	11	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	18	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.50	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	49	0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	58	2	6	1
10461	4-Aminobiphenyl	92-67-1	33	0.6	1	1
10461	Aniline	62-53-3	32	0.6	1	1
10461	Benzyl alcohol	100-51-6	44	11	33	1
10461	1,1'-Biphenyl	92-52-4	52	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	54	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	54	2	6	1
10461	Di-n-butylphthalate	84-74-2	52	2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	44	0.6	1	1
10461	4-Chloroaniline	106-47-8	35	0.6	1	1
10461	Chlorobenzilate	510-15-6	48	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	51	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	48	0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	47	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	54	0.4	1	1
10461	2-Chlorophenol	95-57-8	46	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	53	0.6	1	1
10461	Diallate trans/cis	2303-16-4	54	1	6	1
10461	Dibenzofuran	132-64-9	53	0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	49	0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	47	0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	48	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	41	2	6	1
10461	2,4-Dichlorophenol	120-83-2	48	0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	49	0.6	1	1
10461	Diethylphthalate	84-66-2	51	2	6	1
10461	Dimethoate	60-51-5	33	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52	0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	44	0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	28	U 28	83	1
10461	2,4-Dimethylphenol	105-67-9	39	0.6	1	1
10461	Dimethylphthalate	131-11-3	46	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	55	6	17	1
10461	1,3-Dinitrobenzene	99-65-0	51	2	6	1
10461	2,4-Dinitrophenol	51-28-5	78	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	54	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	55	0.6	1	1
10461	1,4-Dioxane	123-91-1	36	1	6	1
10461	Diphenyl ether	101-84-8	52	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	49	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	57	2	6	1
10461	Hexachlorobenzene	118-74-1	53	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	47	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	99	6	17	1
10461	Hexachloroethane	67-72-1	43	1	6	1
10461	Hexachloropropene	1888-71-7	46	2	6	1
10461	Isodrin	465-73-6	54	0.6	1	1
10461	Isophorone	78-59-1	54	0.6	1	1
10461	Isosafrole	120-58-1	53	2	6	1
10461	Methapyrilene	91-80-5	270	E 17	55	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	45	1	6	1
10461	3-Methylcholanthrene	56-49-5	53	0.6	1	1
10461	2-Methylphenol	95-48-7	42	0.6	1	1
10461	4-Methylphenol	106-44-5	39	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	28	U 28	66	1
10461	1-Naphthylamine	134-32-7	41	6	17	1
10461	2-Naphthylamine	91-59-8	54	6	17	1
10461	2-Nitroaniline	88-74-4	55	0.6	1	1
10461	3-Nitroaniline	99-09-2	40	0.6	1	1
10461	4-Nitroaniline	100-01-6	46	0.6	1	1
10461	Nitrobenzene	98-95-3	52	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	38	0.6	1	1
10461	2-Nitrophenol	88-75-5	56	0.6	1	1
10461	4-Nitrophenol	100-02-7	34	11	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	450	E 22	66	1
10461	N-Nitrosodiethylamine	55-18-5	49	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	36	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	45	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	48	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	53	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	48	2	6	1
10461	N-Nitrosomorpholine	59-89-2	44	2	6	1
10461	N-Nitrosopiperidine	100-75-4	50	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	47	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	56	2	6	1
10461	Pentachlorobenzene	608-93-5	51	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	52	2	6	1
10461	Pentachlorophenol	87-86-5	46	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10461	Phenacetin	62-44-2	49	0.6	1	1
10461	Phenol	108-95-2	27	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	83	83	330	1
10461	2-Picoline	109-06-8	45	2	6	1
10461	Pronamide	23950-58-5	54	0.6	1	1
10461	Pyridine	110-86-1	35	2	6	1
10461	Safrole	94-59-7	49	2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	52	0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	51	0.6	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	49	1	6	1
10461	Thionazin	297-97-2	51	2	6	1
10461	o-Toluidine	95-53-4	27	0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	52	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	49	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	49	0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	52	2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	32	6	17	1
GC/MS Semivolatiles SW-846 8270D SIM						
12971	Acenaphthene	83-32-9	1.0	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
12971	Anthracene	120-12-7	1.1	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.1	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.91	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.1	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.92	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.98	0.010	0.051	1
12971	Chrysene	218-01-9	1.1	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.93	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.1	0.010	0.051	1
12971	Fluorene	86-73-7	1.1	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.92	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.1	0.031	0.061	1
12971	Phenanthrene	85-01-8	1.1	0.031	0.061	1
12971	Pyrene	129-00-0	1.1	0.010	0.051	1
GC Miscellaneous SW-846 8015C Feb 2007 mg/l						
Rev 3						
12926	Diethylene glycol	111-46-6	230	8.0	10	1
12926	Ethylene glycol	107-21-1	250	8.0	10	1
12926	Propylene glycol	57-55-6	250	8.0	10	1
12926	Triethylene glycol	112-27-6	180	8.0	10	1
Metals SW-846 6010C mg/l						
07046	Barium	7440-39-3	2.01	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0500	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.218	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.503	0.0010	0.0100	1
07053	Copper	7440-50-8	0.252	0.0028	0.0200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	39.7	0.0334	0.400	1
07058	Manganese	7439-96-5	1.71	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.508	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.154	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0513	0.0018	0.0100	1
07069	Tin	7440-31-5	4.01	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.511	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.498	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0064	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0110	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0159	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00094	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/29/2014 23:56	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 00:38	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 13:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 13:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 23:56	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 00:38	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 17:32	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 10:16	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 02:54	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:45	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:51	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	43	3.0	5.0	1
02898	Acetonitrile	75-05-8	43	7.0	20	1
02898	Allyl Chloride	107-05-1	5.5	0.1	0.5	1
02898	Benzene	71-43-2	6.0	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	4.3	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	39	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	6.2	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	6.2	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.8	0.1	0.5	1
02898	Chloroethane	75-00-3	5.2	0.1	0.5	1
02898	Chloroform	67-66-3	6.0	0.1	0.5	1
02898	Chloromethane	74-87-3	5.2	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.6	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	23	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.5	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.9	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.3	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	6.4	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.8	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	6.0	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	39	1.0	5.0	1
02898	Methyl Iodide	74-88-4	6.2	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.7	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	6.1	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.8	0.2	0.5	1
02898	Propionitrile	107-12-0	42	2.0	10	1
02898	Styrene	100-42-5	5.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.8	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.3	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	6.2	0.1	0.5	1
02898	Toluene	108-88-3	6.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.1	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.6	0.1	0.5	1
02898	Trichloroethene	79-01-6	7.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.2	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.5	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	10	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	18	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.49	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	49	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	56	2	5	1
10461	4-Aminobiphenyl	92-67-1	32	0.5	1	1
10461	Aniline	62-53-3	31	0.5	1	1
10461	Benzyl alcohol	100-51-6	44	11	32	1
10461	1,1'-Biphenyl	92-52-4	49	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	53	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	53	2	5	1
10461	Di-n-butylphthalate	84-74-2	51	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	36	0.5	1	1
10461	4-Chloroaniline	106-47-8	33	0.5	1	1
10461	Chlorobenzilate	510-15-6	52	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	49	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	48	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	47	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	52	0.4	1	1
10461	2-Chlorophenol	95-57-8	43	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	51	0.5	1	1
10461	Diallate trans/cis	2303-16-4	53	1	5	1
10461	Dibenzofuran	132-64-9	51	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	48	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	46	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	47	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	40	2	5	1
10461	2,4-Dichlorophenol	120-83-2	44	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	46	0.5	1	1
10461	Diethylphthalate	84-66-2	50	2	5	1
10461	Dimethoate	60-51-5	39	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	41	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27	J 27	81	1
10461	2,4-Dimethylphenol	105-67-9	43	0.5	1	1
10461	Dimethylphthalate	131-11-3	48	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	53	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	50	2	5	1
10461	2,4-Dinitrophenol	51-28-5	79	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	52	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	52	0.5	1	1
10461	1,4-Dioxane	123-91-1	35	1	5	1
10461	Diphenyl ether	101-84-8	50	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	49	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	56	2	5	1
10461	Hexachlorobenzene	118-74-1	52	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	45	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	95	5	16	1
10461	Hexachloroethane	67-72-1	43	1	5	1
10461	Hexachloropropene	1888-71-7	45	2	5	1
10461	Isodrin	465-73-6	53	0.5	1	1
10461	Isophorone	78-59-1	52	0.5	1	1
10461	Isosafrole	120-58-1	52	2	5	1
10461	Methapyrilene	91-80-5	260	E 16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	45	1	5	1
10461	3-Methylcholanthrene	56-49-5	52	0.5	1	1
10461	2-Methylphenol	95-48-7	37	0.5	1	1
10461	4-Methylphenol	106-44-5	33	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	27	U 27	65	1
10461	1-Naphthylamine	134-32-7	37	5	16	1
10461	2-Naphthylamine	91-59-8	49	5	16	1
10461	2-Nitroaniline	88-74-4	52	0.5	1	1
10461	3-Nitroaniline	99-09-2	38	0.5	1	1
10461	4-Nitroaniline	100-01-6	43	0.5	1	1
10461	Nitrobenzene	98-95-3	49	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	37	0.5	1	1
10461	2-Nitrophenol	88-75-5	54	0.5	1	1
10461	4-Nitrophenol	100-02-7	32	J 11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	450	E 22	65	1
10461	N-Nitrosodiethylamine	55-18-5	49	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	36	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	44	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	48	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	50	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	48	2	5	1
10461	N-Nitrosomorpholine	59-89-2	44	2	5	1
10461	N-Nitrosopiperidine	100-75-4	50	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	47	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	55	2	5	1
10461	Pentachlorobenzene	608-93-5	50	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	50	2	5	1
10461	Pentachlorophenol	87-86-5	33	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	47	0.5	1	1
10461	Phenol	108-95-2	25	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81	81	320	1
10461	2-Picoline	109-06-8	45	2	5	1
10461	Pronamide	23950-58-5	53	0.5	1	1
10461	Pyridine	110-86-1	36	2	5	1
10461	Safrole	94-59-7	48	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	49	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	36	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	48	1	5	1
10461	Thionazin	297-97-2	49	2	5	1
10461	o-Toluidine	95-53-4	26	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	50	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	45	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	41	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	51	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	40	5	16	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.0	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.0	0.010	0.051	1
12971	Anthracene	120-12-7	1.1	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.99	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.84	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.97	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.77	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.90	0.010	0.051	1
12971	Chrysene	218-01-9	1.0	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.78	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.0	0.010	0.051	1
12971	Fluorene	86-73-7	1.0	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.77	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.0	0.031	0.061	1
12971	Phenanthrene	85-01-8	1.0	0.031	0.061	1
12971	Pyrene	129-00-0	1.0	0.010	0.051	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	200	8.0	10	1
12926	Ethylene glycol	107-21-1	210	8.0	10	1
12926	Propylene glycol	57-55-6	210	8.0	10	1
12926	Triethylene glycol	112-27-6	170	8.0	10	1
Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	2.05	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0506	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.213	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.512	0.0010	0.0100	1
07053	Copper	7440-50-8	0.256	0.0028	0.0200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	34.5	0.0334	0.400	1
07058	Manganese	7439-96-5	1.73	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.516	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.156	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0528	0.0018	0.0100	1
07069	Tin	7440-31-5	4.09	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.517	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.507	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0070	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0106	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0054	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0161	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00094	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 00:17	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 00:59	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 13:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 13:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 00:17	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 00:59	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 18:00	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 10:43	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 03:09	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:06	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:53	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Dupl Groundwater
GW 2014

LL Sample # WW 7721993
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0069 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0150 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	35.8		0.0334	0.400	1
07058	Manganese	7439-96-5	1.16		0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0074 J		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0024 J		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U		0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 19:28	Elaine F Stoltzfus	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11 Dupl Groundwater
GW 2014

LL Sample # WW 7721993
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 18:59	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:49	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-A Groundwater
GW 2014

LL Sample # WW 7721994
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 00:55	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:55	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-A MS Groundwater
GW 2014

LL Sample # WW 7721995
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	160	40	100	1
10335	Acrylonitrile	107-13-1	100	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 01:19	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 01:19	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-A MSD Groundwater
GW 2014

LL Sample # WW 7721996
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	160	40	100	1
10335	Acrylonitrile	107-13-1	100	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 01:43	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 01:43	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.2 J	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR11D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	31	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	78	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11D

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	62	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	62	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR11D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78 U	78	310	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	16	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.052	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.052	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.052	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.052	1
12971	Naphthalene	91-20-3	0.031 U	0.031	0.062	1
12971	Phenanthrene	85-01-8	0.031 U	0.031	0.062	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.052	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.0069 J	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0138 J	0.0013

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR11D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	33.6	0.0334	0.400	1
07058	Manganese	7439-96-5	1.21	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0024 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 01:21	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 01:21	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 19:26	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 12:07	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 02:10	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR11D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 20:20	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:16	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:28	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-11-A-D Groundwater
GW 2014

LL Sample # WW 7721998
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

B11AD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 02:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:07	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

YMCA-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

YMCA-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	31	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	77	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

YMCA-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

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YMCA-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	77 U	77	310	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.031 U	0.031	0.061	1
12971	Phenanthrene	85-01-8	0.031 U	0.031	0.061	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.051	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l		
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0011 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

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YMCA-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals			mg/l	mg/l	mg/l	
SW-846 6010C						
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0010 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 J	0.0020	0.0400	1
SW-846 6020A			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 01:42	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 01:42	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 19:55	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 12:34	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 02:25	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

YMCA-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:23	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:30	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-YMCA-A Groundwater
GW 2014

LL Sample # WW 7722000
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

YMCAA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 02:32	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:32	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

CMPGN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

CMPGN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	33	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27 U		27	82	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

CMPGN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U		2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U		5	16	1
10461	Hexachloroethane	67-72-1	1 U		1	5	1
10461	Hexachloropropene	1888-71-7	2 U		2	5	1
10461	Isodrin	465-73-6	0.5 U		0.5	1	1
10461	Isophorone	78-59-1	0.5 U		0.5	1	1
10461	Isosafrole	120-58-1	2 U		2	5	1
10461	Methapyrilene	91-80-5	16 U		16	55	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1 U		1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U		0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U		0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U		0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	27 U		27	66	1
10461	1-Naphthylamine	134-32-7	5 U		5	16	1
10461	2-Naphthylamine	91-59-8	5 U		5	16	1
10461	2-Nitroaniline	88-74-4	0.5 U		0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U		0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U		0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U		0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U		0.5	1	1
10461	4-Nitrophenol	100-02-7	11 U		11	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	22 U		22	66	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U		0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2 U		2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U		2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U		2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U		2	5	1
10461	Pentachlorophenol	87-86-5	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

CMPGN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	82 U		82	330	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.055	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.055	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.055	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.055	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.055	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.055	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.055	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.055	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.055	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.055	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.055	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.055	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.055	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.055	1
12971	Naphthalene	91-20-3	0.033 U		0.033	0.066	1
12971	Phenanthrene	85-01-8	0.033 U		0.033	0.066	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.055	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0049 J		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0015 J		0.0013	0.0300

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

CMPGN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0034 J		0.0028	0.0200	1
01754	Iron	7439-89-6	24.4		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0213		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0021 J		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0165 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0011 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 02:03	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 02:03	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 20:24	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:02	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 03:54	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

CMPGN

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:27	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:32	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-CMPGND-A Groundwater
GW 2014

LL Sample # WW 7722002
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

CMPGA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 02:56	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:56	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.050	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.00054 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

GUARD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals			mg/l	mg/l	mg/l	
SW-846 6010C						
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	6.77	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0757	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00034 J	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/30/2014 02:24	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 20:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 20:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 02:24	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 20:52	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:30	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:08	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:34	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-GUARD-A Groundwater
GW 2014

LL Sample # WW 7722004
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

GUARA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 03:20	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 03:20	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-1 Blank Water
GW 2014

LL Sample # WW 7722005
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

T19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-1 Blank Water
GW 2014

LL Sample # WW 7722005
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/29/2014 21:49	Kevin A Sposito	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 12:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 12:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 21:49	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-1-A Blank Water
GW 2014

LL Sample # WW 7722006
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T191A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 21:18	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 21:18	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7722007
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:11	Sandra J Miller	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7722008
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	11.2	0.50	1.0	10

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:43	Sandra J Miller	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater
GW 2014

LL Sample # WW 7722009
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:27	Sandra J Miller	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7722010
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

R54SD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:59	Sandra J Miller	5

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914 Blank Water**
GW 2014

LL Sample # **WW 7722011**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914 Blank Water**
GW 2014

LL Sample # **WW 7722011**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

E19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	75	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914 Blank Water**
GW 2014

LL Sample # **WW 7722011**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E19-1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846 8270D		ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914 Blank Water**
GW 2014

LL Sample # **WW 7722011**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	75 U		75	300	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.050	1
12971	Naphthalene	91-20-3	0.032 J		0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.050	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0012 J		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914 Blank Water**
GW 2014

LL Sample # **WW 7722011**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E19-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/29/2014 22:10	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:10	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 21:21	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:58	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:23	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-121914 Blank Water
GW 2014

LL Sample # WW 7722011
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E19-1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:34	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:36	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121914-A Blank Water**
GW 2014

LL Sample # **WW 7722012**
LL Group # **1527336**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/19/2014 16:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

E191A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 21:42	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 21:42	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-2 Blank Water
GW 2014

LL Sample # WW 7722013
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T19-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-2 Blank Water
GW 2014

LL Sample # WW 7722013
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T19-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/29/2014 22:31	Kevin A Sposito	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:31	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-2-A Blank Water
GW 2014

LL Sample # WW 7722014
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T192A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 22:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 22:07	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-3 Blank Water
GW 2014

LL Sample # WW 7722015
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T19-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-3 Blank Water
GW 2014

LL Sample # WW 7722015
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

T19-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143632AA	12/29/2014 22:53	Kevin A Sposito	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:53	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121914-3-A Blank Water
GW 2014

LL Sample # WW 7722016
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

T193A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 22:31	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 22:31	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

WSWWT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

WSWWT

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

WSWWT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0029 J		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0030 J		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
01754	Iron	7439-89-6	86.5		0.0334	0.400
07058	Manganese	7439-96-5	0.438		0.00083	0.0100
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0171 J		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07069	Tin	7440-31-5	0.0067 J		0.0024	0.0400
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100
07072	Zinc	7440-66-6	0.0154 J		0.0020	0.0400

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

WSWWT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00019 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 21:50	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 14:26	Mark A Clark	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:38	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:38	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

WSWWT

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:38	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR--5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	31	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U	26	78	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	16	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR--5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.							
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.							
10461	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78	U	78	310	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR--5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1

The QC limits for 1,4-Naphthoquinone are advisory only due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.052	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.052	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.052	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.052	1
12971	Naphthalene	91-20-3	0.031 U		0.031	0.063	1
12971	Phenanthrene	85-01-8	0.031 U		0.031	0.063	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.052	1

GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0033 J		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
01754	Iron	7439-89-6	19.8		0.0334	0.400
07058	Manganese	7439-96-5	0.0837		0.00083	0.0100
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100
07072	Zinc	7440-66-6	0.0026 J		0.0020	0.0400

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

BR--5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00013 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 22:18	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 14:53	Mark A Clark	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:53	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:42	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/20/2014 11:00

Reported: 01/06/2015 14:38

BR--5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:40	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: E143571AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	102		70-130		
Batch number: I143632AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015								
Acetone	3.0 U	3.0	5.0	ug/l	121		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	93		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	104		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	113		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	114		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	88		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	103		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	114		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	113		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	113		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	106		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	110		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	101		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	114		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	101		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	102		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	103		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	108		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	109		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	96		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	107		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	111		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	108		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	116		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	115		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	120		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	112		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	99		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	96		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	100		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	112		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	101		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	115		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	115		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	118		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	102		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	107		71-123		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	0.2 U	0.2	0.5	ug/l	117		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	113		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	126		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	112		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	111		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	114		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	113		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	112		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	109		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	115		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	119		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	109		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	83		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	113		80-120		

Batch number: N143562AA

Sample number(s): 7721985,7721987,7721989,7721994-7721996,7721998,7722000,7722002,7722004,7722006,7722012,7722014,7722016
 Acrolein 40 U 40. 100 ug/l 106 59-120
 Acrylonitrile 4 U 4. 20 ug/l 102 62-120

Batch number: 14357WAI026

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018
 Acetophenone 0.5 U 0.5 1 ug/l 92 78-112
 2-Acetylaminofluorene 2 U 2. 5 ug/l 105 78-131
 4-Aminobiphenyl 0.5 U 0.5 1 ug/l 59 34-95
 Aniline 0.5 U 0.5 1 ug/l 61 34-97
 Benzyl alcohol 10 U 10. 30 ug/l 84 58-122
 1,1'-Biphenyl 0.5 U 0.5 1 ug/l 92 56-134
 4-Bromophenyl-phenylether 0.5 U 0.5 1 ug/l 99 82-118
 Butylbenzylphthalate 2 U 2. 5 ug/l 99 73-122
 Di-n-butylphthalate 2 U 2. 5 ug/l 96 80-119
 4-Chloro-3-methylphenol 0.5 U 0.5 1 ug/l 88 78-118
 4-Chloroaniline 0.5 U 0.5 1 ug/l 65 44-114
 Chlorobenzilate 3 U 3. 10 ug/l 94 38-149
 bis(2-Chloroethoxy)methane 0.5 U 0.5 1 ug/l 92 77-115
 bis(2-Chloroethyl)ether 0.5 U 0.5 1 ug/l 90 78-112
 bis(2-Chloroisopropyl)ether 0.5 U 0.5 1 ug/l 87 54-128
 2-Chloronaphthalene 0.4 U 0.4 1 ug/l 95 66-125
 2-Chlorophenol 0.5 U 0.5 1 ug/l 91 76-111
 4-Chlorophenyl-phenylether 0.5 U 0.5 1 ug/l 95 78-119
 Diallate trans/cis 1 U 1. 5 ug/l 97 80-126
 Dibenzofuran 0.5 U 0.5 1 ug/l 95 81-110
 1,2-Dichlorobenzene 0.5 U 0.5 1 ug/l 90 62-116
 1,3-Dichlorobenzene 0.5 U 0.5 1 ug/l 86 57-115
 1,4-Dichlorobenzene 0.5 U 0.5 1 ug/l 88 60-115
 3,3'-Dichlorobenzidine 2 U 2. 5 ug/l 72 39-111
 2,4-Dichlorophenol 0.5 U 0.5 1 ug/l 92 84-119
 2,6-Dichlorophenol 0.5 U 0.5 1 ug/l 96 83-121
 Diethylphthalate 2 U 2. 5 ug/l 92 70-118
 Dimethoate 3 U 3. 10 ug/l 68 10-116
 p-Dimethylaminoazobenzene 0.5 U 0.5 1 ug/l 88 76-120
 3,3'-Dimethylbenzidine 25 U 25. 75 ug/l 23 10-76
 7,12-Dimethylbenz[a]anthracene 0.5 U 0.5 1 ug/l 77 58-120
 2,4-Dimethylphenol 0.5 U 0.5 1 ug/l 89 75-110
 Dimethylphthalate 2 U 2. 5 ug/l 88 43-128

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Analysis Name	Blank		Blank	Blank	Report	LCS	LCS	LCS/LCS	RPD	RPD
	Result	U	MDL**	LOQ	Units	%REC	%REC	Limits	RPD	Max
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	97		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	93		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	74		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	97		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	93		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	93		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	106		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	95		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	83		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	62		18-130		
Hexachloroethane	1	U	1.	5	ug/l	77		55-109		
Hexachloropropene	2	U	2.	5	ug/l	69		47-121		
Isodrin	0.5	U	0.5	1	ug/l	100		83-119		
Isophorone	0.5	U	0.5	1	ug/l	97		81-124		
Isosafrole	2	U	2.	5	ug/l	95		68-150		
Methapyrilene	15	U	15.	50	ug/l	123		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	86		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	93		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	90		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	89		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	2*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	38		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	49		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	69		35-103		
2-Nitroaniline	0.5	U	0.5	1	ug/l	96		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	74		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	82		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	93		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	96		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	63		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	81		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	89		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	88		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2	U	2.	5	ug/l	72		38-98		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	94		80-115		
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	91		72-115		
N-Nitrosomorpholine	2	U	2.	5	ug/l	83		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	93		85-113		
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	89		75-117		
Di-n-octylphthalate	2	U	2.	5	ug/l	103		78-129		
Pentachlorobenzene	0.5	U	0.5	1	ug/l	92		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	95		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	88		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	90		81-120		
Phenol	0.5	U	0.5	1	ug/l	59		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	87		57-110		
Pronamide	0.5	U	0.5	1	ug/l	98		78-125		
Pyridine	2	U	2.	5	ug/l	71		22-96		
Safrole	2	U	2.	5	ug/l	90		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	91		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	98		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	89		75-114		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Thionazin	2 U	2.	5	ug/l	92		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	53		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	93		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	96		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	66		12-129		

Batch number: 14357WAJ026

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018

Acenaphthene	0.010 U	0.010	0.050	ug/l	104		82-126		
Acenaphthylene	0.010 U	0.010	0.050	ug/l	104		72-124		
Anthracene	0.010 U	0.010	0.050	ug/l	105		83-125		
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	103		79-122		
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	102		72-126		
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	109		79-136		
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	109		59-137		
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	107		72-129		
Chrysene	0.010 U	0.010	0.050	ug/l	107		77-122		
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	108		42-143		
Fluoranthene	0.010 U	0.010	0.050	ug/l	99		76-121		
Fluorene	0.010 U	0.010	0.050	ug/l	104		82-119		
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	105		53-136		
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	100		68-124		
Naphthalene	0.030 U	0.030	0.060	ug/l	102		78-117		
Phenanthrene	0.030 U	0.030	0.060	ug/l	101		83-116		
Pyrene	0.010 U	0.010	0.050	ug/l	102		70-124		

Batch number: 143630008A

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018

Diethylene glycol	8.0 U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	94		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	71		46-118		

Batch number: 143580636001

Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018

Barium	0.00033 U	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	103		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	103		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	105		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	102		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	100		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	102		80-120		

Batch number: 143580639002A

Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018

Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	106		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	103		80-120		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Lead	0.000082 U	0.00008	0.0020	mg/l	100		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	97		80-120		
Batch number: 143585713004	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018								
Mercury	0.000060 U	0.00006	0.00020	mg/l	91		80-120		
Batch number: 14354347902A	Sample number(s): 7722007-7722010								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	96		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: E143571AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015 UNSPK: 7721990								
Vinyl Chloride	100	99	70-130	1	30				
Batch number: I143632AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015 UNSPK: 7721990								
Acetone	123	114	57-163	8	30				
Acetonitrile	111	114	77-129	2	30				
Allyl Chloride	113	111	61-120	2	30				
Benzene	123	120	87-126	2	30				
Bromochloromethane	119	117	82-125	2	30				
Bromodichloromethane	109	106	82-133	3	30				
Bromoform	90	87	60-138	4	30				
Bromomethane	107	103	66-130	4	30				
2-Butanone	111	103	56-160	7	30				
Carbon Disulfide	127	123	84-141	3	30				
Carbon Tetrachloride	126	124	81-148	2	30				
2-Chloro-1,3-butadiene	120	116	78-128	4	30				
Chlorobenzene	121	116	78-133	4	30				
Chloroethane	106	104	70-139	2	30				
Chloroform	123	119	86-136	3	30				
Chloromethane	107	105	49-135	2	30				
1,2-Dibromo-3-chloropropane	98	95	53-163	4	30				
Dibromochloromethane	107	101	79-125	5	30				
1,2-Dibromoethane	113	110	84-127	3	30				
Dibromomethane	114	112	83-126	2	30				
trans-1,4-Dichloro-2-butene	98	92	11-172	7	30				
Dichlorodifluoromethane	113	110	28-136	3	30				
1,1-Dichloroethane	120	118	81-126	2	30				
1,2-Dichloroethane	114	111	82-135	3	30				
1,1-Dichloroethene	129	127	86-132	2	30				
cis-1,2-Dichloroethene	124	120	82-129	3	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
trans-1,2-Dichloroethene	131*	128*	88-127	2	30				
1,2-Dichloropropane	120	115	91-126	4	30				
cis-1,3-Dichloropropene	102	101	74-132	1	30				
trans-1,3-Dichloropropene	99	97	71-128	2	30				
Ethyl Methacrylate	103	100	73-134	3	30				
Ethylbenzene	123	119	80-140	3	30				
2-Hexanone	105	101	51-149	4	30				
Isobutyl Alcohol	118	113	65-146	4	30				
Methacrylonitrile	112	105	58-155	6	30				
Methyl Iodide	127	125	71-137	2	30				
Methyl Methacrylate	97	93	48-152	4	30				
4-Methyl-2-pentanone	109	106	69-149	3	30				
Methylene Chloride	126	122	77-135	3	30				
Pentachloroethane	119	115	68-145	3	30				
Propionitrile	124	112	63-147	10	30				
Styrene	121	117	71-138	4	30				
1,1,1,2-Tetrachloroethane	121	116	87-126	4	30				
1,1,2,2-Tetrachloroethane	110	106	75-131	4	30				
Tetrachloroethene	126	121	75-129	4	30				
Toluene	124	119	83-127	4	30				
1,1,1-Trichloroethane	123	122	85-140	1	30				
1,1,2-Trichloroethane	117	111	85-129	5	30				
Trichloroethene	127	123	85-131	3	30				
Trichlorofluoromethane	130	124	73-139	5	30				
1,2,3-Trichloropropane	112	110	76-120	2	30				
Vinyl Acetate	85	83	27-162	2	30				
Xylene (Total)	123	119	81-137	3	30				

Batch number: N143562AA

Sample number(s): 7721985,7721987,7721989,7721994-7721996,7721998,7722000,7722002,7722004,7722006,7722012,7722014,7722016 UNSPK: 7721994

Acrolein	109	108	39-136	2	30
Acrylonitrile	102	104	51-125	2	30

Batch number: 14357WAI026

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990

Acetophenone	89	90	77-114	1	30
2-Acetylaminofluorene	104	104	79-137	3	30
4-Aminobiphenyl	59	59	10-91	1	30
Aniline	57	57	22-103	3	30
Benzyl alcohol	80	81	62-101	1	30
1,1'-Biphenyl	94	91	73-114	5	30
4-Bromophenyl-phenylether	98	97	76-124	4	30
Butylbenzylphthalate	98	98	76-124	3	30
Di-n-butylphthalate	94	94	79-118	3	30
4-Chloro-3-methylphenol	79	66	19-155	20	30
4-Chloroaniline	63	61	34-122	5	30
Chlorobenzilate	86	95	63-146	8	30
bis(2-Chloroethoxy)methane	92	90	73-115	5	30
bis(2-Chloroethyl)ether	88	88	77-113	2	30
bis(2-Chloroisopropyl)ether	85	87	61-116	1	30
2-Chloronaphthalene	98	96	64-134	4	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Chlorophenol	83	80	27-146	6	30				
4-Chlorophenyl-phenylether	97	94	73-117	5	30				
Diallate trans/cis	97	97	75-130	2	30				
Dibenzofuran	96	94	71-116	5	30				
1,2-Dichlorobenzene	89	88	76-107	3	30				
1,3-Dichlorobenzene	85	85	68-107	3	30				
1,4-Dichlorobenzene	88	88	59-115	2	30				
3,3'-Dichlorobenzidine	73	73	16-128	3	30				
2,4-Dichlorophenol	87	80	31-147	10	30				
2,6-Dichlorophenol	89	84	75-116	7	30				
Diethylphthalate	91	92	69-118	2	30				
Dimethoate	60	73	10-112	17	30				
p-Dimethylaminoazobenzene	94	95	82-132	1	30				
3,3'-Dimethylbenzidine	0*	25	25-83	200*	30				
7,12-Dimethylbenz[a]anthracene	79	75	58-124	7	30				
2,4-Dimethylphenol	71	80	40-133	10	30				
Dimethylphthalate	83	88	54-125	3	30				
4,6-Dinitro-2-methylphenol	100	98	36-151	4	30				
1,3-Dinitrobenzene	93	92	82-122	3	30				
2,4-Dinitrophenol	70	73	20-168	2	30				
2,4-Dinitrotoluene	97	96	72-133	4	30				
2,6-Dinitrotoluene	100	97	79-127	5	30				
1,4-Dioxane	65	65	48-83	1	30				
Diphenyl ether	95	93	81-105	4	30				
Ethyl methanesulfonate	89	90	81-112	1	30				
bis(2-Ethylhexyl)phthalate	104	103	73-129	3	30				
Hexachlorobenzene	96	96	72-124	3	30				
Hexachlorobutadiene	86	83	53-126	5	30				
Hexachlorocyclopentadiene	90	87	26-142	5	30				
Hexachloroethane	79	79	50-119	1	30				
Hexachloropropene	82	82	67-132	2	30				
Isodrin	97	99	67-136	0	30				
Isophorone	97	95	67-139	4	30				
Isosafrole	96	96	74-104	2	30				
Methapyrilene	121	119	70-130	4	30				
Methyl methanesulfonate	81	84	37-93	0	30				
3-Methylcholanthrene	96	96	80-117	2	30				
2-Methylphenol	75	68	26-135	12	30				
4-Methylphenol	70	60	13-128	17	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	37	34	10-110	12	30				
2-Naphthylamine	48	46	10-101	8	30				
5-Nitro-o-toluidine	69	68	34-112	3	30				
2-Nitroaniline	99	97	76-132	4	30				
3-Nitroaniline	72	69	49-124	6	30				
4-Nitroaniline	83	79	43-126	8	30				
Nitrobenzene	93	91	69-127	4	30				
2-Nitrophenol	101	99	53-147	4	30				
4-Nitrophenol	61	59	10-116	5	30				
4-Nitroquinoline-1-oxide	81	83	50-120	0	30				
N-Nitroso-di-n-propylamine	87	88	70-123	1	30				
N-Nitrosodi-n-butylamine	81	82	65-111	1	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
N-Nitrosodiethylamine	89	91	80-102	0	30				
N-Nitrosodimethylamine	65	66	37-80	1	30				
N-Nitrosodiphenylamine	95	93	75-124	5	30				
N-Nitrosomethylethylamine	86	89	72-115	1	30				
N-Nitrosomorpholine	80	82	71-115	0	30				
N-Nitrosopiperidine	91	92	84-117	2	30				
N-Nitrosopyrrolidine	84	86	72-120	0	30				
Di-n-octylphthalate	102	102	71-137	2	30				
Pentachlorobenzene	92	92	82-119	2	30				
Pentachloronitrobenzene	93	93	82-116	3	30				
Pentachlorophenol	84	60	23-133	34*	30				
Phenacetin	89	87	67-141	4	30				
Phenol	49	47	10-107	6	30				
2-Picoline	81	83	44-96	0	30				
Pronamide	97	98	82-131	1	30				
Pyridine	63	67	12-94	5	30				
Safrole	89	89	86-107	3	30				
1,2,4,5-Tetrachlorobenzene	94	91	79-114	5	30				
2,3,4,6-Tetrachlorophenol	93	66	56-131	36*	30				
Tetraethyldithiopyrophosphate	88	89	77-120	1	30				
Thionazin	92	91	72-117	3	30				
o-Toluidine	50	49	10-106	4	30				
1,2,4-Trichlorobenzene	94	92	68-119	4	30				
2,4,5-Trichlorophenol	88	84	37-148	7	30				
2,4,6-Trichlorophenol	89	76	19-162	18	30				
O,O,O-Triethylphosphorothioate	95	95	75-128	2	30				
1,3,5-Trinitrobenzene	59	73	35-129	20	30				

Batch number: 14357WAJ026

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990

Acenaphthene	102	98	69-134	3	30				
Acenaphthylene	105	100	66-132	4	30				
Anthracene	109	104	64-129	4	30				
Benzo(a)anthracene	103	96	37-135	7	30				
Benzo(a)pyrene	90	82	32-137	8	30				
Benzo(b)fluoranthene	104	94	41-137	9	30				
Benzo(g,h,i)perylene	90	75	21-127	18	30				
Benzo(k)fluoranthene	96	88	36-139	8	30				
Chrysene	107	101	51-129	5	30				
Dibenz(a,h)anthracene	91	76	17-134	18	30				
Fluoranthene	103	97	53-133	5	30				
Fluorene	105	101	59-137	3	30				
Indeno(1,2,3-cd)pyrene	90	75	26-130	18	30				
2-Methylnaphthalene	100	97	64-129	2	30				
Naphthalene	105	102	58-131	3	30				
Phenanthrene	104	99	66-126	4	30				
Pyrene	105	100	49-136	5	30				

Batch number: 143630008A

Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990

Diethylene glycol	108	93	52-122	15	20				
Ethylene glycol	118	101	54-123	15	20				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Propylene glycol	121	101	55-131	18	20				
Triethylene glycol	87	82	33-123	6	20				
Batch number: 143580636001 Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990									
Barium	100	102	75-125	2	20	0.0071 J	0.0069 J	2 (1)	20
Beryllium	100	101	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	102	99	75-125	2	20	0.0145 J	0.0150 J	4 (1)	20
Cobalt	101	102	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	102	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	309 (2)	-212 (2)	75-125	14	20	36.6	35.8	2	20
Manganese	104	109	75-125	1	20	1.18	1.16	2	20
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	99	75-125	1	20	0.0068 J	0.0074 J	9 (1)	20
Silver	103	106	75-125	3	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	102	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	102	103	75-125	1	20	0.0023 J	0.0024 J	6 (1)	20
Zinc	100	101	75-125	2	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143580639002A Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990									
Antimony	107	116	75-125	8	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	110	106	75-125	4	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	108	75-125	5	20	0.00017 U	0.00017 U	0 (1)	20
Lead	106	107	75-125	1	20	0.000083 J	0.000082 U	200* (1)	20
Thallium	102	106	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143585713004 Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990									
Mercury	94	94	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14354347902A Sample number(s): 7722007-7722010 UNSPK: 7722007 BKG: 7722007									
Nitrate Nitrogen	112*		90-110			0.25 U	0.25 U	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Vinyl Chloride
Batch number: E143571AA
Dibromofluoromethane

7721984	100
7721986	99
7721988	99

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Surrogate Quality Control

7721990 99
7721991 100
7721992 98
7721997 98
7721999 97
7722001 98
7722003 98
7722005 98
7722011 99
7722013 100
7722015 97
Blank 101
LCS 97
MS 100
MSD 98

Limits: 80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143632AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7721984	103	100	97	95
7721986	102	98	98	92
7721988	103	98	98	92
7721990	103	97	98	92
7721991	100	97	100	96
7721992	100	97	99	98
7721997	102	97	98	93
7721999	102	100	97	93
7722001	102	99	97	93
7722003	102	101	97	93
7722005	101	98	98	92
7722011	103	101	98	94
7722013	103	101	98	94
7722015	104	100	97	92
Blank	103	99	98	93
LCS	101	97	100	97
MS	100	97	100	96
MSD	100	97	99	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: N143562AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7721985	97	100	97	94
7721987	98	101	98	94
7721989	96	101	99	93
7721994	97	103	98	94
7721995	95	99	103	100
7721996	96	99	102	101
7721998	95	100	98	95
7722000	96	99	99	94
7722002	96	100	98	95
7722004	98	101	98	93
7722006	95	99	98	95
7722012	95	100	99	94
7722014	96	100	98	94

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Surrogate Quality Control

7722016	96	99	98	94
Blank	94	98	99	95
LCS	94	100	103	101
MS	95	99	103	100
MSD	96	99	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)

Batch number: 14357WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7721984	11	14	62	87	83	75
7721988	32	48	70	76	70	62
7721990	23	31	30	78	77	61
7721991	44	61	85	89	90	68
7721992	43	57	56	89	88	75
7721997	23	32	35	77	78	69
7721999	37	57	83	84	82	81
7722001	37	57	88	88	89	87
7722003	34	52	78	79	78	81
7722011	35	56	84	82	82	76
7722017	31	46	75	80	80	74
7722018	36	55	86	86	90	74
Blank	44	62	86	86	88	87
LCS	55	72	97	89	89	84
MS	44	61	85	89	90	68
MSD	43	57	56	89	88	75
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds

Batch number: 14357WAJ026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7721984	97	73	82
7721988	97	93	88
7721990	100	62	91
7721991	101	100	98
7721992	97	94	95
7721997	78	60	72
7721999	85	96	80
7722001	90	102	84
7722003	98	111	92
7722011	82	95	79
7722017	92	101	89
7722018	84	90	80
Blank	88	101	88
LCS	97	114	97
MS	101	100	98
MSD	97	94	95
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds

Batch number: 143630008A

	Tetramethylene glycol
7721984	95
7721988	88

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/06/15 at 02:38 PM

Group Number: 1527336

Surrogate Quality Control

7721990	89
7721991	112
7721992	96
7721997	89
7721999	99
7722001	117
7722003	98
7722011	97
7722017	94
7722018	89
Blank	100
LCS	94
MS	112
MSD	96
Limits:	54-136

*- Outside of specification

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1527336 Sample Nos.: 7721984-2018
 Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: 02447830597
 Cooler Temperature upon receipt: 0.7 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM) APX metals (Fe, Mn) (6010/6020/7470A)										3 day holding time for acrolein and acrylonitrile
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646													
1300 Staton Road		Release No.:													
Cedar Mountain NC 28718		PO Number: LBIO-67047													
Sampler(s): <u>J. Obvey, M. Harder</u>		Project Name: <u>GW 2014</u>													
Sample Identification	Date Collected	Time Collected	Matrix	Containers			GC/MS	Acrylonitrile	Vinyl Chloride	APX metals	Fe, Mn	6010/6020/7470A	Groundwater		
				Volume (ml)	Preserv	No								Condition upon receipt:	
SSP14-GW-BR-3	12/19/14	1030	WW	40	HCl	5	X		X				Intact		
SSP14-GW-BR-3-A	↓	↓	WW	40	None	3		X							
SSP14-GW-BR-5 - MW-111B	12/19/14	1610	WW	40	HCl	5	X		X						
SSP14-GW-BR-5-A - MW-111B-A	↓	↓	WW	40	None	3		X							
SSP14-GW-MW-111B	12/19/14	1610	WW	250	HNO3	1				X					
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time								
Bottles Relinquished by: <u>J. Obvey</u>		Date	Time	Bottles Received by: <u>J. Obvey</u>		Date	Time								
		12/19/14	2100			12/15/14	1200								

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PROCUREMENT
7045584097
12/20/2014 11:59

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1527336 Sample Nos.: 7721984-2018
 Acc'l: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C17172 **30597**
 Cooler Temperature upon receipt: 0.8 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:							
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										3 day holding time for acrolein and acrylonitrile							
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-67047																			
Sampler(s): <u>M. Border, M. Todd</u>		Project Name: GW 2014																			
Sample Identification			Date Collected	Time Collected	Matrix	Containers													Groundwater		
						Volume (ml)	Preserv	No.											Condition upon receipt:		
SSP14-GW- WW -BR-11			<u>12/19/14</u>	<u>1200</u>	WW	40	HCl	5	X	X											Intact
SSP14-GW- WW -BR-11 -A					WW	40	None	3		X											MS
SSP14-GW- WW -BR-11					WW	40	HCl	5	X	X											MSD
SSP14-GW- WW -BR-11 -A					WW	40	None	3		X											MSD
SSP14-GW- WW -TB-121914-3				<u>1200</u>	WW	40	HCl	<u>3</u>	X	X											
SSP14-GW- WW -TB-121914-3					WW	40	None	<u>1</u>		X											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions: *3 Day Holding Time											
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:												
<u>J. Orley</u>			<u>12/19/14</u>	<u>2100</u>	<u>J. Orley</u>			<u>12/19/14</u>	<u>1200</u>												
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:												
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:												
								<u>12/20/14</u>	<u>1100</u>												

12/20/2014 11:59 7045584097 PROCUREMENT PAGE 06/13

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 12/20/2014 11:00
 Number of Packages: 5 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	15
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 10 HCl + 5 Unpres.

Unpacked by Wesley Miller (2308) at 13:40 on 12/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Loose	N
2	DT121	0.7	DT	Wet	Y	Loose	N
3	DT121	1.6	DT	Wet	Y	Bagged	N
4	DT121	0.1	DT	Wet	Y	Loose	N
5	DT121	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<$ CRDL, but \geq IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

January 05, 2015

Project: BRE - GW

Submission Date: 12/18/2014

Group Number: 1526743

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

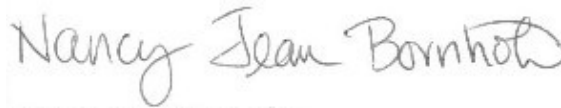
SSP14-GW-MW-108 Groundwater	7717698
SSP14-GW-MW-108-A Groundwater	7717699
SSP14-GW-MW-114A Groundwater	7717700
SSP14-GW-MW-114A-A Groundwater	7717701
SSP14-GW-MW-114B Groundwater	7717702
SSP14-GW-MW-114B-A Groundwater	7717703
SSP14-GW-MW-207A Groundwater	7717704
SSP14-GW-MW-207A-A Groundwater	7717705
SSP14-GW-MW-207B Groundwater	7717706
SSP14-GW-MW-207B-A Groundwater	7717707
SSP14-GW-MW-207B-D Groundwater	7717708
SSP14-GW-MW-207B-A-D Groundwater	7717709
SSP14-GW-MW-225A Groundwater	7717710
SSP14-GW-MW-225A-A Groundwater	7717711
SSP14-GW-MW-225B Groundwater	7717712
SSP14-GW-MW-225B-A Groundwater	7717713
SSP14-GW-MW-300 Groundwater	7717714
SSP14-GW-MW-300-A Groundwater	7717715
SSP14-GW-MW-304A Groundwater	7717716
SSP14-GW-MW-304A-A Groundwater	7717717
SSP14-GW-MW-304B Groundwater	7717718
SSP14-GW-MW-304B-A Groundwater	7717719
SSP14-GW-MW-304B-D Groundwater	7717720
SSP14-GW-MW-305 Groundwater	7717721
SSP14-GW-MW-305-A Groundwater	7717722
SSP14-GW-WSW-VISIT Groundwater	7717723
SSP14-GW-WSW-VISIT-A Groundwater	7717724
SSP14-GW-WSW-DSF3 Groundwater	7717725
SSP14-GW-WSW-DSF3-A Groundwater	7717726
EB-121714 Blank Water	7717727
EB-121714-A Blank Water	7717728

TB-121614-1 Blank Water	7717729
TB-121614-1-A Blank Water	7717730
TB-121614-3 Blank Water	7717731
TB-121614-3-A Blank Water	7717732

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-108 Groundwater
GW 2014

LL Sample # WW 7717698
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.9		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	1		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.8		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.0		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-108 Groundwater
GW 2014

LL Sample # WW 7717698
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BR108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.15		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 15:56	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:04	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-108-A Groundwater
GW 2014

LL Sample # WW 7717699
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BA108

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 14:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 14:06	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114A Groundwater
GW 2014

LL Sample # WW 7717700
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B114A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114A Groundwater
GW 2014

LL Sample # WW 7717700
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B114A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 16:41	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 16:41	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:23	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 18:33	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:18	Katlin N Cataldi	5
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:48	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114A-A Groundwater
GW 2014

LL Sample # WW 7717701
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A114A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 14:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 14:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114B Groundwater
GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B114B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114B Groundwater
GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B114B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.00039 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0018 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114B Groundwater
GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B114B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 17:04	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:43	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 19:02	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:50	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-114B-A Groundwater
GW 2014

LL Sample # WW 7717703
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A114B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:06	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207A

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.051	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0214	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0204	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997	mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 17:27	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 21:22	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:01	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B207A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:52	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1
00368	Nitrate Nitrogen	EPA 300.0	1	14353347901A	12/19/2014 06:25	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14354022101A	12/20/2014 08:30	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207A-A Groundwater
GW 2014

LL Sample # WW 7717705
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A207A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:26	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7717706
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B207B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7717706
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B207B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 17:49	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:23	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-A Groundwater
GW 2014

LL Sample # WW 7717707
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A207B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7717708
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B207D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7717708
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B207D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 18:12	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:42	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-207B-A-D Groundwater
GW 2014

LL Sample # WW 7717709
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A207D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:06	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225A Groundwater
GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B225A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	3.0	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.4 J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2 J	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.8	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225A Groundwater
GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B225A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0282		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0030 J		0.0028	0.0200	1
01754	Iron	7439-89-6	0.309 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0964		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0046 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0025		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225A Groundwater
GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B225A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 18:34	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:02	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 19:31	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:22	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:58	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225A-A Groundwater
GW 2014

LL Sample # WW 7717711
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A225A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:26	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225B Groundwater
GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B225B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.0	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.7	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3 J	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.3 J	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.9	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225B Groundwater
GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B225B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.015 J		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
Metals SW-846 6010C							
07046	Barium	7440-39-3	0.0033 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.963		0.0334	0.400	1
07058	Manganese	7439-96-5	3.01		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225B Groundwater
GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B225B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 18:57	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:57	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:22	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 20:00	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:31	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:00	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4 modified	SW-846 3010A	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4 modified	SW-846 3010A	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-225B-A Groundwater
GW 2014

LL Sample # WW 7717713
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A225B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR300

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	3.7 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BR300

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR300

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR300

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U		76	300	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l		
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.0492		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR300

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	2.56		0.0334	0.400	1
07058	Manganese	7439-96-5	0.132		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0040 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00046 J		0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00030 J		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 19:20	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 19:20	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:42	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 21:51	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:28	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/29/2014 23:42	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BR300

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:02	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-300-A Groundwater
GW 2014

LL Sample # WW 7717715
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BA300

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:05	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B304A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.2 J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.8	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2 J	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	87	1.0	5.0	10
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 J	0.1	0.5	1
02898	Trichloroethene	79-01-6	22	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U	10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U	25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304A

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U		76	300	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.050	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l		
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.0146		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.110 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0418		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0028 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0054		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00021 J		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 19:42	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:05	Jason M Long	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 19:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143551AA	12/21/2014 20:05	Jason M Long	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143561AA	12/22/2014 18:02	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 22:20	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:56	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/29/2014 23:57	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B304A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:35	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:00	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304A-A Groundwater
GW 2014

LL Sample # WW 7717717
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A304A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:25	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:25	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304B

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.050	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.00033 J	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0013 U	0.0013

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

B304B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0437 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0271 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:28	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 20:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 18:21	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 22:49	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 01:24	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:12	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B304B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:35	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:02	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B-A Groundwater
GW 2014

LL Sample # WW 7717719
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

A304B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:45	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-304B-D Groundwater
GW 2014

LL Sample # WW 7717720
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

B304D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3		mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:26	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR305

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U		76	300	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.050	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0344		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00093 J		0.00067	0.0100
07051	Chromium	7440-47-3	0.0044 J		0.0013	0.0300

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BR305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	8.82		0.0334	0.400	1
07058	Manganese	7439-96-5	0.215		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0019 J		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0078 J		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0129 J		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0033 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0063		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:50	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:41	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 20:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 18:41	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 23:18	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 17:50	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:41	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BR305

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:39	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:04	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-305-A Groundwater
GW 2014

LL Sample # WW 7717722
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BA305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:05	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRVIS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRVIS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	30	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRVIS

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BRVIS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U	0.010	0.051	1

GC	Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l	mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.00036 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BRVIS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.290		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0140 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00059 J		0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 21:13	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 19:01	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 19:01	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 23:47	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 18:18	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:56	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRVIS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:43	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:06	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-VISIT-A Groundwater
GW 2014

LL Sample # WW 7717724
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BAVIS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:26	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRDSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.8		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	16		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.2 J		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.4 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	13		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRDSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.015 J		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	32	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	79	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BRDSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U		2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U		5	16	1
10461	Hexachloroethane	67-72-1	1 U		1	5	1
10461	Hexachloropropene	1888-71-7	2 U		2	5	1
10461	Isodrin	465-73-6	0.5 U		0.5	1	1
10461	Isophorone	78-59-1	0.5 U		0.5	1	1
10461	Isosafrole	120-58-1	2 U		2	5	1
10461	Methapyrilene	91-80-5	16 U		16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1 U		1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U		0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U		0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U		0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26 U		26	63	1
10461	1-Naphthylamine	134-32-7	5 U		5	16	1
10461	2-Naphthylamine	91-59-8	5 U		5	16	1
10461	2-Nitroaniline	88-74-4	0.5 U		0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U		0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U		0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U		0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U		0.5	1	1
10461	4-Nitrophenol	100-02-7	11 U		11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21 U		21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U		0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2 U		2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U		2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U		2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U		2	5	1
10461	Pentachlorophenol	87-86-5	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BRDSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79 U	79	320	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	16	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U	0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032 U	0.032	0.063	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.053	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.00033 U	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0013 U	0.0013

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

BRDSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.841		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.0013 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 21:35	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 19:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:35	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 19:21	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/24/2014 00:16	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 18:45	Catherine E Bachman	1
10466	BNA Water Extraction	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 01:11	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BRDSF

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:46	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:08	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-DSF3-A Groundwater
GW 2014

LL Sample # WW 7717726
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

BADSF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1	
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1	
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1	
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1	
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1	
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1	
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1	
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1	
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1	
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1	
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1	
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1	
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1	
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1	
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1	
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1	
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1	
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1	
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1	
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1	
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1	
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1	
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1	
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1	
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1	
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1	
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1	
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1	
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1	
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1	
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1	
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1	
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1	
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1	
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1	
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1	
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1	
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1	
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1	
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1	
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1	
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1	
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1	
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1	
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1	
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1	
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1	
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1	
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1	
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1	

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6 U		0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6 U		0.6	1	1
10461	Aniline	62-53-3	0.6 U		0.6	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	34	1
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6 U		0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	6	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6 U		0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6 U		0.6	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6 U		0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6 U		0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.6 U		0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.5 U		0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6 U		0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6 U		0.6	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	6	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6 U		0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6 U		0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.6 U		0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6 U		0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	0.6 U		0.6	1	1
10461	Diethylphthalate	84-66-2	2 U		2	6	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6 U		0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6 U		0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	29 U		29	86	1
10461	2,4-Dimethylphenol	105-67-9	0.6 U		0.6	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6 U		6	17	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	6	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	34	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	17	U	17	57	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	29	U	29	69	1
10461	1-Naphthylamine	134-32-7	6	U	6	17	1
10461	2-Naphthylamine	91-59-8	6	U	6	17	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	34	1
10461	4-Nitroquinoline-1-oxide	56-57-5	23	U	23	69	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.6 U	0.6	1	1
10461	Phenol	108-95-2	0.6 U	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	86 U	86	340	1
10461	2-Picoline	109-06-8	2 U	2	6	1
10461	Pronamide	23950-58-5	0.6 U	0.6	1	1
10461	Pyridine	110-86-1	2 U	2	6	1
10461	Safrole	94-59-7	2 U	2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U	0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U	0.6	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	6	1
10461	Thionazin	297-97-2	2 U	2	6	1
10461	o-Toluidine	95-53-4	0.6 U	0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U	0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U	6	17	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.057	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.057	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.057	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.057	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.057	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.057	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.057	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.057	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.057	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.057	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.057	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.057	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.057	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.057	1
12971	Naphthalene	91-20-3	0.059 J	0.034	0.069	1
12971	Phenanthrene	85-01-8	0.034 U	0.034	0.069	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.057	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.0012 J	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0013 U	0.0013

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.050 U	0.050	0.10	1
SM 4500-NH3 B/C modified-1997						
			mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 14:48	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 14:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:14	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/24/2014 00:45	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 19:13	Catherine E Bachman	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714 Blank Water**
GW 2014

LL Sample # **WW 7717727**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFEB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10466	BNA Water Extraction	SIM SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 01:26	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:50	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:17	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:50	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:50	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:50	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:50	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:50	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:10	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14353347901A	12/19/2014 07:14	Sandra J Miller	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14354022101A	12/20/2014 08:30	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-121714-A Blank Water**
GW 2014

LL Sample # **WW 7717728**
LL Group # **1526743**
Account # **06643**

Project Name: **BRE - GW**

Collected: 12/17/2014 14:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

DSAEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:06	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-1 Blank Water
GW 2014

LL Sample # WW 7717729
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-1 Blank Water
GW 2014

LL Sample # WW 7717729
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSFT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 15:11	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:33	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-1-A Blank Water
GW 2014

LL Sample # WW 7717730
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSAT1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:26	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-3 Blank Water
GW 2014

LL Sample # WW 7717731
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

DSFT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-3 Blank Water
GW 2014

LL Sample # WW 7717731
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00

Reported: 01/05/2015 09:39

DSFT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 15:33	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:53	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121614-3-A Blank Water
GW 2014

LL Sample # WW 7717732
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

DSAT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143551AA	Sample number(s): 7717698,7717700,7717702,7717704,7717706,7717708,7717710,7717712,7717714,7717716,7717718,7717721,7717723,7717725,7717727,7717729,7717731								
Acetone	3.0 U	3.0	5.0	ug/l	110	110	60-139	0	30
Acetonitrile	7.0 U	7.0	20	ug/l	98	94	50-145	4	30
Allyl Chloride	0.1 U	0.1	0.5	ug/l	102	104	66-120	3	30
Benzene	0.1 U	0.1	0.5	ug/l	99	100	80-120	2	30
Bromochloromethane	0.1 U	0.1	0.5	ug/l	105	107	80-125	2	30
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	103	102	80-120	1	30
Bromoform	0.1 U	0.1	0.5	ug/l	92	92	72-138	0	30
Bromomethane	0.1 U	0.1	0.5	ug/l	102	104	62-126	1	30
2-Butanone	1.0 U	1.0	5.0	ug/l	107	107	63-137	0	30
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	107	108	70-128	1	30
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	109	108	80-135	1	30
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	98	99	78-120	1	30
Chlorobenzene	0.1 U	0.1	0.5	ug/l	103	103	80-120	0	30
Chloroethane	0.1 U	0.1	0.5	ug/l	99	102	68-120	2	30
Chloroform	0.1 U	0.1	0.5	ug/l	105	105	80-120	0	30
Chloromethane	0.2 U	0.2	0.5	ug/l	96	100	55-120	4	30
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	105	105	64-141	0	30
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	102	101	80-126	1	30
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	100	100	80-120	0	30
Dibromomethane	0.1 U	0.1	0.5	ug/l	103	103	80-120	1	30
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	121	119	14-166	2	30
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	97	98	35-142	1	30
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	98	99	80-120	1	30
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	105	106	76-132	1	30
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	93	94	80-123	0	30
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	99	100	80-120	2	30
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	101	102	80-120	1	30
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	98	98	80-120	0	30
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94	94	80-120	0	30
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	97	99	80-120	2	30
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	83	84	70-120	2	30
Ethylbenzene	0.1 U	0.1	0.5	ug/l	100	101	80-120	1	30
2-Hexanone	1.0 U	1.0	5.0	ug/l	90	91	72-124	2	30
Isobutyl Alcohol	10 U	10	25	ug/l	105	109	73-146	4	30
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	112	111	59-150	1	30
Methyl Iodide	0.1 U	0.1	0.5	ug/l	101	101	80-129	0	30
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	99	100	56-137	2	30
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	87	91	71-123	4	30
Methylene Chloride	0.2 U	0.2	0.5	ug/l	101	103	80-120	3	30
Pentachloroethane	0.2 U	0.2	0.5	ug/l	102	101	75-126	1	30
Propionitrile	2.0 U	2.0	10	ug/l	103	109	67-143	6	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	0.1 U	0.1	0.5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104	103	80-120	0	30
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	97	97	80-120	0	30
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	100	100	80-120	0	30
Toluene	0.1 U	0.1	0.5	ug/l	101	101	80-120	0	30
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	103	104	80-120	0	30
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	100	100	80-120	0	30
Trichloroethene	0.1 U	0.1	0.5	ug/l	104	104	80-120	0	30
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	118	117	64-141	1	30
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102	101	80-120	1	30
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	77	75	38-145	2	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	102	102	80-120	0	30

Batch number: E143531AA

Sample number(s):

7717699, 7717701, 7717703, 7717705, 7717707, 7717709, 7717711, 7717713, 7717715, 7717717, 7717719, 7717722, 7717724, 7717726, 7717728, 7717730, 7717732

Acrolein
Acrylonitrile

Acrolein	40 U	40.	100	ug/l	92	92	59-120	0	30
Acrylonitrile	4 U	4.	20	ug/l	101	103	62-120	2	30

Batch number: E143561AA

Sample number(s):

7717698, 7717700, 7717702, 7717704, 7717706, 7717708, 7717710, 7717712, 7717714, 7717716, 7717718, 7717721, 7717723, 7717725

Vinyl Chloride

Vinyl Chloride	0.010 U	0.010	0.050	ug/l	121	120	70-130	1	30
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Batch number: E143572AA

Sample number(s): 7717727, 7717729, 7717731

Vinyl Chloride

Vinyl Chloride	0.010 U	0.010	0.050	ug/l	95	94	70-130	1	30
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Batch number: 14352WAQ026

Sample number(s):

7717700, 7717702, 7717704, 7717710, 7717712, 7717714, 7717716, 7717718, 7717721, 7717723, 7717725, 7717727

Acetophenone	0.5 U	0.5	1	ug/l	91	89	78-112	2	30
2-Acetylaminofluorene	2 U	2.	5	ug/l	109	105	78-131	4	30
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	62	51	34-95	19	30
Aniline	0.5 U	0.5	1	ug/l	59	43	34-97	33*	30
Benzyl alcohol	10 U	10.	30	ug/l	75	72	58-122	4	30
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	92	91	56-134	1	30
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	99	97	82-118	1	30
Butylbenzylphthalate	2 U	2.	5	ug/l	102	100	73-122	3	30
Di-n-butylphthalate	2 U	2.	5	ug/l	96	93	80-119	3	30
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	86	82	78-118	5	30
4-Chloroaniline	0.5 U	0.5	1	ug/l	64	48	44-114	27	30
Chlorobenzilate	3 U	3.	10	ug/l	103	97	38-149	7	30
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	92	91	77-115	1	30
bis(2-Chloroethyl)ether	0.5 U	0.5	1	ug/l	89	88	78-112	2	30
bis(2-Chloroisopropyl)ether	0.5 U	0.5	1	ug/l	87	86	54-128	2	30
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	96	95	66-125	1	30
2-Chlorophenol	0.5 U	0.5	1	ug/l	87	83	76-111	4	30
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	95	92	78-119	3	30
Diallate trans/cis	1 U	1.	5	ug/l	105	104	80-126	2	30
Dibenzofuran	0.5 U	0.5	1	ug/l	94	92	81-110	2	30
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	90	88	62-116	3	30
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	87	84	57-115	4	30
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	89	86	60-115	3	30
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	84	72	39-111	15	30
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	92	88	84-119	4	30
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	99	95	83-121	4	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Analysis Name	Blank		Blank	Report	LCS	LCS	LCS/LCS	RPD	RPD
	Result	U	MDL**		LOQ	%REC	%REC		
Diethylphthalate	2	U	2.	5	91	87	70-118	5	30
Dimethoate	3	U	3.	10	84	74	10-116	13	30
p-Dimethylaminoazobenzene	0.5	U	0.5	1	101	100	76-120	1	30
3,3'-Dimethylbenzidine	25	U	25.	75	32	21	10-76	38*	30
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	89	77	58-120	15	30
2,4-Dimethylphenol	0.5	U	0.5	1	88	86	75-110	2	30
Dimethylphthalate	2	U	2.	5	92	83	43-128	11	30
4,6-Dinitro-2-methylphenol	5	U	5.	15	96	96	63-131	0	30
1,3-Dinitrobenzene	2	U	2.	5	90	86	80-124	4	30
2,4-Dinitrophenol	10	U	10.	30	72	70	39-130	2	30
2,4-Dinitrotoluene	1	U	1.	5	93	90	84-126	3	30
2,6-Dinitrotoluene	0.5	U	0.5	1	96	95	81-124	1	30
1,4-Dioxane	1	U	1.	5	69	71	39-83	3	30
Diphenyl ether	0.5	U	0.5	1	93	92	77-113	2	30
Ethyl methanesulfonate	0.5	U	0.5	1	94	92	77-113	3	30
bis(2-Ethylhexyl)phthalate	2	U	2.	5	106	104	78-124	2	30
Hexachlorobenzene	0.1	U	0.1	0.5	96	94	80-119	3	30
Hexachlorobutadiene	0.5	U	0.5	1	85	82	55-124	4	30
Hexachlorocyclopentadiene	5	U	5.	15	74	79	18-130	7	30
Hexachloroethane	1	U	1.	5	81	76	55-109	6	30
Hexachloropropene	2	U	2.	5	88	88	47-121	0	30
Isodrin	0.5	U	0.5	1	106	104	83-119	2	30
Isophorone	0.5	U	0.5	1	97	95	81-124	2	30
Isosafrole	2	U	2.	5	102	100	68-150	2	30
Methapyrilene	15	U	15.	50	109	129	70-130	17	30
Methyl methanesulfonate	1	U	1.	5	87	86	42-112	1	30
3-Methylcholanthrene	0.5	U	0.5	1	103	98	84-117	5	30
2-Methylphenol	0.5	U	0.5	1	89	82	72-111	8	30
4-Methylphenol	0.5	U	0.5	1	88	78	56-109	12	30
1,4-Naphthoquinone	25	U	25.	60	206*	6*	10-69	189*	30
1-Naphthylamine	5	U	5.	15	41	27	10-92	40*	30
2-Naphthylamine	5	U	5.	15	46	35	17-87	28	30
5-Nitro-o-toluidine	0.5	U	0.5	1	70	60	35-103	15	30
2-Nitroaniline	0.5	U	0.5	1	94	93	84-122	2	30
3-Nitroaniline	0.5	U	0.5	1	71	61	61-117	16	30
4-Nitroaniline	0.5	U	0.5	1	78	74	66-110	6	30
Nitrobenzene	0.5	U	0.5	1	93	91	77-119	2	30
2-Nitrophenol	0.5	U	0.5	1	96	94	82-121	3	30
4-Nitrophenol	10	U	10.	30	65	63	20-89	4	30
4-Nitroquinoline-1-oxide	20	U	20.	60	83	82	48-128	1	30
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	89	88	71-117	2	30
N-Nitrosodi-n-butylamine	2	U	2.	5	84	83	74-114	2	30
N-Nitrosodiethylamine	0.5	U	0.5	1	95	95	79-116	0	30
N-Nitrosodimethylamine	2	U	2.	5	68	69	38-98	2	30
N-Nitrosodiphenylamine	0.5	U	0.5	1	94	93	80-115	1	30
N-Nitrosomethylethylamine	2	U	2.	5	92	91	72-115	2	30
N-Nitrosomorpholine	2	U	2.	5	84	84	69-116	0	30
N-Nitrosopiperidine	0.5	U	0.5	1	96	93	85-113	3	30
N-Nitrosopyrrolidine	0.5	U	0.5	1	90	90	75-117	0	30
Di-n-octylphthalate	2	U	2.	5	104	101	78-129	3	30
Pentachlorobenzene	0.5	U	0.5	1	100	99	80-119	1	30
Pentachloronitrobenzene	2	U	2.	5	102	98	84-135	4	30
Pentachlorophenol	1	U	1.	5	87	84	60-130	3	30
Phenacetin	0.5	U	0.5	1	95	94	81-120	0	30
Phenol	0.5	U	0.5	1	59	50	25-80	15	30
1,4-Phenylenediamine	75	U	75.	300					

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
2-Picoline	2 U	2.	5	ug/l	66	82	57-110	21	30
Pronamide	0.5 U	0.5	1	ug/l	88	86	78-125	3	30
Pyridine	2 U	2.	5	ug/l	59	71	22-96	18	30
Safrole	2 U	2.	5	ug/l	95	93	81-117	2	30
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	93	92	77-113	1	30
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	94	92	76-128	2	30
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	100	97	75-114	4	30
Thionazin	2 U	2.	5	ug/l	95	93	68-116	2	30
o-Toluidine	0.5 U	0.5	1	ug/l	53	36	17-99	38*	30
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	94	91	68-116	3	30
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	90	87	81-121	3	30
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94	92	84-119	3	30
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	101	98	81-121	3	30
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	86	70	12-129	20	30

Batch number: 14352WAR026

Sample number(s):

7717704,7717714,7717716,7717718,7717721,7717723,7717725,7717727

Acenaphthene	0.010 U	0.010	0.050	ug/l	102	103	82-126	1	30
Acenaphthylene	0.010 U	0.010	0.050	ug/l	106	107	72-124	1	30
Anthracene	0.010 U	0.010	0.050	ug/l	105	108	83-125	3	30
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	103	104	79-122	1	30
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	102	106	72-126	3	30
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	110	115	79-136	4	30
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	90	97	59-137	7	30
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	105	109	72-129	4	30
Chrysene	0.010 U	0.010	0.050	ug/l	107	110	77-122	3	30
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	90	100	42-143	11	30
Fluoranthene	0.010 U	0.010	0.050	ug/l	101	103	76-121	1	30
Fluorene	0.010 U	0.010	0.050	ug/l	108	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	91	98	53-136	8	30
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	100	105	68-124	5	30
Naphthalene	0.030 U	0.030	0.060	ug/l	101	106	78-117	4	30
Phenanthrene	0.030 U	0.030	0.060	ug/l	102	105	83-116	2	30
Pyrene	0.010 U	0.010	0.050	ug/l	98	101	70-124	4	30

Batch number: 143630008A

Sample number(s): 7717714,7717716,7717718,7717720-

7717721,7717723,7717725,7717727

Diethylene glycol	8.0 U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	94		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	71		46-118		

Batch number: 143560636001

Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716

Barium	0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	104		80-120		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143565713004	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714								
Mercury	0.000060	0.00006	0.00020	mg/l	92		80-120		
	U	0							
Batch number: 143580636001	Sample number(s): 7717718,7717721,7717723,7717725,7717727								
Barium	0.00033 U	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	103		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	103		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	105		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	102		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	100		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	102		80-120		
Batch number: 143580639001A	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716								
Antimony	0.00033 U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	100		80-120		
	U	2							
Thallium	0.00015 U	0.00015	0.0010	mg/l	100		80-120		
Batch number: 143580639002A	Sample number(s): 7717718,7717721,7717723,7717725,7717727								
Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	106		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	103		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	100		80-120		
	U	2							
Thallium	0.00015 U	0.00015	0.0010	mg/l	97		80-120		
Batch number: 143585713004	Sample number(s): 7717716,7717718,7717721,7717723,7717725,7717727								
Mercury	0.000060	0.00006	0.00020	mg/l	91		80-120		
	U	0							
Batch number: 14353347901A	Sample number(s): 7717704,7717727								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	100		90-110		
Batch number: 14354022101A	Sample number(s): 7717704,7717727								
Ammonia Nitrogen	0.20 U	0.20	0.60	mg/l	94	93	85-105	1	5

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
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*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: C143551AA	Sample number(s): 7717698,7717700,7717702,7717704,7717706,7717708,7717710,7717712,7717714,7717716,7717718,7717721,7717723,7717725,7717727,7717729,7717731 BKG: 7717698								
Acetone						3.0	U 3.0	U 0 (1)	30
Acetonitrile						7.0	U 7.0	U 0 (1)	30
Allyl Chloride						0.1	U 0.1	U 0 (1)	30
Benzene						0.1	U 0.1	U 0 (1)	30
Bromochloromethane						0.1	U 0.1	U 0 (1)	30
Bromodichloromethane						0.1	U 0.1	U 0 (1)	30
Bromoform						0.1	U 0.1	U 0 (1)	30
Bromomethane						0.1	U 0.1	U 0 (1)	30
2-Butanone						1.0	U 1.0	U 0 (1)	30
Carbon Disulfide						0.4	U 0.4	U 0 (1)	30
Carbon Tetrachloride						0.1	U 0.1	U 0 (1)	30
2-Chloro-1,3-butadiene						0.1	U 0.1	U 0 (1)	30
Chlorobenzene						0.1	U 0.1	U 0 (1)	30
Chloroethane						0.1	U 0.1	U 0 (1)	30
Chloroform						0.1	U 0.1	U 0 (1)	30
Chloromethane						0.2	U 0.2	U 0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U 0.2	U 0 (1)	30
Dibromochloromethane						0.1	U 0.1	U 0 (1)	30
1,2-Dibromoethane						0.1	U 0.1	U 0 (1)	30
Dibromomethane						0.1	U 0.1	U 0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U 1.0	U 0 (1)	30
Dichlorodifluoromethane						0.1	U 0.1	U 0 (1)	30
1,1-Dichloroethane						0.1	U 0.1	U 0 (1)	30
1,2-Dichloroethane						0.1	U 0.1	U 0 (1)	30
1,1-Dichloroethene						0.9	0.9	1 (1)	30
cis-1,2-Dichloroethene						1	1	1 (1)	30
trans-1,2-Dichloroethene						0.1	U 0.1	U 0 (1)	30
1,2-Dichloropropane						0.1	U 0.1	U 0 (1)	30
cis-1,3-Dichloropropene						0.1	U 0.1	U 0 (1)	30
trans-1,3-Dichloropropene						0.1	U 0.1	U 0 (1)	30
Ethyl Methacrylate						0.1	U 0.1	U 0 (1)	30
Ethylbenzene						0.1	U 0.1	U 0 (1)	30
2-Hexanone						1.0	U 1.0	U 0 (1)	30
Isobutyl Alcohol						10	U 10	U 0 (1)	30
Methacrylonitrile						1.0	U 1.0	U 0 (1)	30
Methyl Iodide						0.1	U 0.1	U 0 (1)	30
Methyl Methacrylate						0.1	U 0.1	U 0 (1)	30
4-Methyl-2-pentanone						1.0	U 1.0	U 0 (1)	30
Methylene Chloride						0.2	U 0.2	U 0 (1)	30
Pentachloroethane						0.2	U 0.2	U 0 (1)	30
Propionitrile						2.0	U 2.0	U 0 (1)	30
Styrene						0.1	U 0.1	U 0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U 0.1	U 0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U 0.1	U 0 (1)	30
Tetrachloroethene						1	1	2 (1)	30
Toluene						0.1	U 0.1	U 0 (1)	30
1,1,1-Trichloroethane						0.1	U 0.1	U 0 (1)	30
1,1,2-Trichloroethane						0.1	U 0.1	U 0 (1)	30
Trichloroethene						0.8	0.7	3 (1)	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Trichlorofluoromethane						6.0	5.8	3	30
1,2,3-Trichloropropane						0.3	U 0.3	U 0 (1)	30
Vinyl Acetate						0.2	U 0.2	U 0 (1)	30
Xylene (Total)						0.1	U 0.1	U 0 (1)	30
Batch number: E143531AA									
Sample number(s): 7717699,7717701,7717703,7717705,7717707,7717709,7717711,7717713,7717715,7717717,7717719,7717722,7717724,7717726,7717728,7717730,7717732 BKG: 7717699									
Acrolein						40	U 40	U 0 (1)	30
Acrylonitrile						4	U 4	U 0 (1)	30
Batch number: 143630008A									
Sample number(s): 7717714,7717716,7717718,7717720-7717721,7717723,7717725,7717727 UNSPK: P721990									
Diethylene glycol	108	93	52-122	15	20				
Ethylene glycol	118	101	54-123	15	20				
Propylene glycol	121	101	55-131	18	20				
Triethylene glycol	87	82	33-123	6	20				
Batch number: 143560636001									
Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716 UNSPK: P720354 BKG: P720354									
Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	100	101	75-125	1	20	0.398 J	0.441	10 (1)	20
Manganese	196 (2)	220 (2)	75-125	2	20	5.68	5.67	0	20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	105	105	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1)	20
Batch number: 143565713004									
Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714 UNSPK: P720354 BKG: P720354									
Mercury	101	106	75-125	4	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143580636001									
Sample number(s): 7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990									
Barium	100	102	75-125	2	20	0.0071 J	0.0069 J	2 (1)	20
Beryllium	100	101	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	102	99	75-125	2	20	0.0145 J	0.0150 J	4 (1)	20
Cobalt	101	102	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	102	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	309 (2)	-212 (2)	75-125	14	20	36.6	35.8	2	20
Manganese	104	109	75-125	1	20	1.18	1.16	2	20
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	99	75-125	1	20	0.0068 J	0.0074 J	9 (1)	20
Silver	103	106	75-125	3	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	102	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Vanadium	102	103	75-125	1	20	0.0023 J	0.0024 J	6 (1)	20
Zinc	100	101	75-125	2	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143580639001A Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716 UNSPK: P720354 BKG: P720354									
Antimony	99	94	75-125	6	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	96	104	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	101	97	75-125	4	20	0.00017 U	0.00017 U	0 (1)	20
Lead	98	96	75-125	2	20	0.00013 J	0.00010 J	26* (1)	20
Thallium	98	92	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143580639002A Sample number(s): 7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990									
Antimony	107	116	75-125	8	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	110	106	75-125	4	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	108	75-125	5	20	0.00017 U	0.00017 U	0 (1)	20
Lead	106	107	75-125	1	20	0.000083 J	0.000082 U	200* (1)	20
Thallium	102	106	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143585713004 Sample number(s): 7717716,7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990									
Mercury	94	94	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14353347901A Sample number(s): 7717704,7717727 UNSPK: 7717704 BKG: 7717704									
Nitrate Nitrogen	100		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14354022101A Sample number(s): 7717704,7717727 BKG: P718213									
Ammonia Nitrogen						36.5	35.9	2	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7717698	107	103	100	97
7717700	107	104	99	96
7717702	106	102	99	96
7717704	108	104	99	96
7717706	107	101	98	95
7717708	107	106	98	95
7717710	107	105	99	95
7717712	108	102	99	97
7717714	107	104	99	96
7717716	108	105	97	94
7717718	107	105	99	96
7717721	109	105	99	96

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Surrogate Quality Control

7717723	108	106	98	96
7717725	108	105	100	96
7717727	105	103	99	97
7717729	105	103	99	96
7717731	107	104	99	95
Blank	106	103	98	96
DUP	106	103	99	95
LCS	106	100	101	102
LCSD	103	102	101	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: E143531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7717699	98	100	102	99
7717701	96	102	102	99
7717703	97	103	102	99
7717705	97	100	102	98
7717707	98	101	102	99
7717709	96	101	101	98
7717711	98	102	102	98
7717713	98	102	101	98
7717715	97	100	102	98
7717717	96	99	102	98
7717719	97	100	102	99
7717722	96	100	101	98
7717724	97	100	103	98
7717726	97	100	102	99
7717728	97	103	103	99
7717730	97	98	102	98
7717732	97	100	101	97
Blank	98	101	102	98
DUP	98	102	102	99
LCS	99	104	103	99
LCSD	99	102	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Vinyl Chloride
Batch number: E143561AA

	Dibromofluoromethane
7717698	97
7717700	98
7717702	99
7717704	98
7717706	98
7717708	98
7717710	99
7717712	98
7717714	99
7717716	98
7717718	98
7717721	98
7717723	98
7717725	97
Blank	100
LCS	97

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Surrogate Quality Control

LCSD 97
Limits: 80-120

Analysis Name: Vinyl Chloride
Batch number: E143572AA
Dibromofluoromethane

7717727 100
7717729 100
7717731 99
Blank 101
LCS 99
LCSD 99
Limits: 80-120

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAQ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7717700				93	94	74
7717702				89	90	76
7717704	35	48	80	85	88	67
7717710				89	89	79
7717712				92	92	49
7717714	35	52	71	87	89	79
7717716	36	53	78	92	93	74
7717718	36	56	88	87	87	69
7717721	30	40	62	67	69	55
7717723	40	53	94	96	96	53
7717725	36	54	89	89	91	69
7717727	38	58	85	85	89	84
Blank	45	60	86	86	87	84
LCS	57	70	98	94	95	83
LCSD	50	68	95	93	93	85
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAR026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7717704	100	102	98
7717714	95	61	95
7717716	93	80	93
7717718	94	106	92
7717721	73	64	71
7717723	92	99	90
7717725	98	110	93
7717727	100	113	96
Blank	100	118	95
LCS	113	129	108
LCSD	112	131	111
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds

Batch number: 143630008A
Tetramethylene glycol

7717714 90

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 09:39 AM

Group Number: 1526743

Surrogate Quality Control

7717716	98
7717718	92
7717720	107
7717721	103
7717723	94
7717725	89
7717727	90
Blank	100
LCS	94
MS	112
MSD	96
Limits:	54-136

*- Outside of specification

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: ~~6041526743~~ Sample Nos.: 7717698-732

Acc't: 06643 SF: 218684 SCR No.: 163615

Cooler No.: 22028 **30614**

Cooler Temperature upon receipt: 10 °C

Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey					Analyses Required										Comments:
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379					GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										3 day holding time for acrolein and acrylonitrile
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646															
1300 Staton Road		Release No.:															
Cedar Mountain NC 28718		PO Number: LBIO-67047															
Sampler(s): <i>K. Stewart</i>		Project Name: GW 2014															
Sample Identification				Containers													Groundwater
Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)									Condition upon receipt:
12/14/14	1206	WW	40	HCl	5	X		X									<i>Intact</i>
12/14/14	↓	WW	40	None	3		X										<i>MW-108</i> <i>MW-108-A</i>
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>						Special Instructions: *3 Day Holding Time											
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time										
<i>J. Orley</i>		12/17/14	1730	<i>J. Orley</i>		12/15/14	1200										
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time										
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time										
						12/18/14	1000										



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22028 **30614**
Cooler Temperature upon receipt: 0.5 °C Container No.: S

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										3 day holding time for acrolein and acrylonitrile						
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646												Release No.:						
1300 Staton Road		PO Number: LBIO-67047																		
Cedar Mountain NC 28718																				
Sampler(s): <u>M. Johnson, W. Parker</u>		Project Name: GW 2014												Groundwater						
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.											Condition upon receipt:		
SSP14-GW-MW-114A		<u>12/16/14</u>	<u>0926</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>Intact</u>
SSP14-GW-MW-114A-A		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											
SSP14-GW-MW-114B		<u>12/16/14</u>	<u>1031</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
SSP14-GW-MW-114B-A		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											
Turnaround Time Requested (please circle):		Standard		RUSH	Number of days: <u>8</u>		Special Instructions: *3 Day Holding Time													
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time													
<u>J. Parker</u>		<u>12/17/14</u>	<u>1830</u>	<u>J. Parker</u>		<u>12/15/14</u>	<u>1200</u>													
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time													
<u>J. Parker</u>																				
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date	Time													
<u>J. Parker</u>				<u>J. Parker</u>		<u>12/18/14</u>	<u>1000</u>													



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1526743 Sample Nos.: 7717698-732
 Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22782 **30586**
 Cooler Temperature upon receipt: 10 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey					Analyses Required										Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379					GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										Comments:				
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646															3 day holding time for acrolein and acrylonitrile				
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-67047																			
Sampler(s): <u>T. Obvey, H. Lipomi</u>		Project Name: GW 2014																			
Sample Identification	Date Collected	Time Collected	Matrix	Containers			GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)											Groundwater	
				Volume (ml)	Preserv	No.															
SSP14-GW-MW-225A	<u>12/14/14</u>	<u>1718</u>	WW	40	HCl	5	X		X											<u>Intact</u>	
SSP14-GW-MW-225A-A	↓	↓	WW	40	None	3		X													
SSP14-GW-MW-225B	↓	<u>1605</u>	WW	40	HCl	5	X		X												
SSP14-GW-MW-225B-A	↓	↓	WW	40	None	3		X													
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time														
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time												
<u>T. Obvey</u>			<u>12/17/14</u>	<u>1730</u>	<u>T. Obvey</u>			<u>12/15/14</u>	<u>1200</u>												
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time												
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time												
								<u>12/16/14</u>	<u>1000</u>												

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

January 05, 2015

Project: BRE - GW

Submittal Date: 12/19/2014

Group Number: 1527084

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-112B Groundwater
SSP14-GW-MW-112B-A Groundwater
SSP14-GW-MW-202B Groundwater
SSP14-GW-MW-202B-A Groundwater
SSP14-GW-MW-221B Groundwater
SSP14-GW-MW-221B-A Groundwater
SSP14-GW-MW-222A Groundwater
SSP14-GW-MW-222A-A Groundwater
SSP14-GW-MW-222B Groundwater
SSP14-GW-MW-222B MS Groundwater
SSP14-GW-MW-222B MSD Groundwater
SSP14-GW-MW-222B Dupl Groundwater
SSP14-GW-MW-222B-A Groundwater
SSP14-GW-BR-5 Groundwater
SSP14-GW-BR-5-A Groundwater
SSP14-GW-WSW-WWT Groundwater
SSP14-GW-WSW-WWT-A Groundwater
TB-121814 Blank Water
TB-121814-A Blank Water

Lancaster Labs (LL)

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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-112B Groundwater
GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

112B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112B Groundwater
GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

112B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
	SW-846 8260B 25mL		ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
	SW-846 8260B SIM		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
Metals							
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0058 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0526 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0054 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00056 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143551AA	12/21/2014 21:58	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:58	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112B Groundwater
GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

112B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 11:13	Jason M Long	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:39	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014 00:00	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:10	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:10	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:10	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:10	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:10	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:10	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-112B-A Groundwater
GW 2014

LL Sample # WW 7720347
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

112BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:32	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:32	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-202B Groundwater
GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

202B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	1.8		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.7		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.5		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.9		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	1.7		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.6		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	2.0		1.0	5.0	10
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-202B Groundwater
GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

202B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
Metals SW-846 6010C							
07046	Barium	7440-39-3	0.00081 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0173		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 20:02	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 20:24	Jason M Long	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-202B Groundwater
GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

202B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 11:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143572AA	12/23/2014 11:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 20:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143571AA	12/23/2014 20:24	Jason M Long	10
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014 00:04	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:12	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:12	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:12	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:12	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:12	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:12	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-202B-A Groundwater
GW 2014

LL Sample # WW 7720349
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

202BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:55	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:55	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-221B Groundwater
GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

221B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-221B Groundwater
GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

221B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.11		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0012 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	1.32		0.0334	0.400	1
07058	Manganese	7439-96-5	0.132		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00017 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00022 J		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-221B Groundwater
GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

221B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 18:10	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 15:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 15:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 18:10	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 20:37	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014 00:09	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:13	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:13	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:13	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:13	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:13	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:14	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-221B-A Groundwater
GW 2014

LL Sample # WW 7720351
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

221BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 08:19	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 08:19	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222A Groundwater
GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 J		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.3 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	1.3		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.3		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	110		1.0	5.0	10
02898	trans-1,2-Dichloroethene	156-60-5	2.4		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2 J		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.9		0.1	0.5	1
02898	Trichloroethene	79-01-6	1.5		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222A Groundwater
GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.6		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	120		2.0	10	200
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.8 J		0.6	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0207		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0041 J		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	14.2		0.0334	0.400	1
07058	Manganese	7439-96-5	0.719		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222A Groundwater
GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 20:47	Jason M Long	1
		purge					
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 21:09	Jason M Long	10
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:29	Jason M Long	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:29	Jason M Long	200
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 20:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143571AA	12/23/2014 21:09	Jason M Long	10
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 21:34	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:16	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222A Groundwater
GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222A-A Groundwater
GW 2014

LL Sample # WW 7720353
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 08:43	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 08:43	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B Groundwater
GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

222B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.5 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B Groundwater
GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.12		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0012 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.398 J		0.0334	0.400	1
07058	Manganese	7439-96-5	5.68		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0026 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00013 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B Groundwater
GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 18:55	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 16:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 16:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 18:55	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 19:11	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 09:19	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 09:36	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:29	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:29	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:29	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:29	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:29	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:23	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B MS Groundwater
GW 2014

LL Sample # WW 7720355
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles						
		SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	52	0.6	1	1
10461	Diphenyl ether	101-84-8	52	0.6	1	1
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.06	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0502	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.201	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.528	0.0010	0.0100	1
07053	Copper	7440-50-8	0.257	0.0028	0.0200	1
01754	Iron	7439-89-6	1.40	0.0334	0.400	1
07058	Manganese	7439-96-5	6.66	0.0083	0.100	10
07061	Nickel	7440-02-0	0.529	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.157	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0512	0.0018	0.0100	1
07069	Tin	7440-31-5	3.99	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.525	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.516	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0059	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0096	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0148	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 19:39	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B MS Groundwater
GW 2014

LL Sample # WW 7720355
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	2	143560636001	12/29/2014 11:28	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:27	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B MSD Groundwater
GW 2014

LL Sample # WW 7720356
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

222B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles						
		SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	53	0.6	1	1
10461	Diphenyl ether	101-84-8	53	0.6	1	1
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.15	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0515	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.206	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.528	0.0010	0.0100	1
07053	Copper	7440-50-8	0.260	0.0028	0.0200	1
01754	Iron	7439-89-6	1.41	0.0334	0.400	1
07058	Manganese	7439-96-5	6.78	0.0083	0.100	10
07061	Nickel	7440-02-0	0.533	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.158	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0519	0.0018	0.0100	1
07069	Tin	7440-31-5	4.03	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.537	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.520	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0056	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0104	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0048	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0146	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0018	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0011	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 20:08	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B MSD Groundwater
GW 2014

LL Sample # WW 7720356
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	2	143560636001	12/29/2014 11:32	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:33	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B Dupl Groundwater
GW 2014

LL Sample # WW 7720357
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

222B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0012 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.441	0.0334	0.400	1
07058	Manganese	7439-96-5	5.67	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00010 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 09:27	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 09:44	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B Dupl Groundwater
GW 2014

LL Sample # WW 7720357
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:25	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-222B-A Groundwater
GW 2014

LL Sample # WW 7720358
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

222BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:06	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:06	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7720359
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

BR-5-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	1		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.4 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.7 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	13 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7720359
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

BR-5-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521
State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 19:17	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 19:17	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-5-A Groundwater
GW 2014

LL Sample # WW 7720360
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

BR-5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:30	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:30	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7720361
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

WWT--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.4	J	3.0	5.0
02898	Acetonitrile	75-05-8	7.0	U	7.0	20
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5
02898	Benzene	71-43-2	0.1	U	0.1	0.5
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5
02898	Bromoform	75-25-2	0.1	U	0.1	0.5
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5
02898	Chloroform	67-66-3	0.1	U	0.1	0.5
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0
02898	Isobutyl Alcohol	78-83-1	10	U	10	25
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5
02898	Propionitrile	107-12-0	2.0	U	2.0	10
02898	Styrene	100-42-5	0.1	U	0.1	0.5
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5
02898	Toluene	108-88-3	0.1	U	0.1	0.5
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7720361
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

WWT--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 19:39	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 19:39	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-WSW-WWT-A Groundwater
GW 2014

LL Sample # WW 7720362
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

WWT-A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:54	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:54	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814 Blank Water
GW 2014

LL Sample # WW 7720363
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

TBL18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814 Blank Water
GW 2014

LL Sample # WW 7720363
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20

Reported: 01/05/2015 12:18

TBL18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143571AA	12/23/2014 17:48	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 12:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 12:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 17:48	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-121814-A Blank Water
GW 2014

LL Sample # WW 7720364
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

TBA18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:08	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:08	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: C143551AA	Sample number(s): 7720346									
Acetone	3.0	U	3.0	5.0	ug/l	110	110	60-139	0	30
Acetonitrile	7.0	U	7.0	20	ug/l	98	94	50-145	4	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	102	104	66-120	3	30
Benzene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105	107	80-125	2	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	103	102	80-120	1	30
Bromoform	0.1	U	0.1	0.5	ug/l	92	92	72-138	0	30
Bromomethane	0.1	U	0.1	0.5	ug/l	102	104	62-126	1	30
2-Butanone	1.0	U	1.0	5.0	ug/l	107	107	63-137	0	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	107	108	70-128	1	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	109	108	80-135	1	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	98	99	78-120	1	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	103	103	80-120	0	30
Chloroethane	0.1	U	0.1	0.5	ug/l	99	102	68-120	2	30
Chloroform	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
Chloromethane	0.2	U	0.2	0.5	ug/l	96	100	55-120	4	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	105	105	64-141	0	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	102	101	80-126	1	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	103	103	80-120	1	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	121	119	14-166	2	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	97	98	35-142	1	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98	99	80-120	1	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105	106	76-132	1	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	93	94	80-123	0	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101	102	80-120	1	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	98	98	80-120	0	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	94	80-120	0	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	97	99	80-120	2	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	83	84	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	90	91	72-124	2	30
Isobutyl Alcohol	10	U	10	25	ug/l	105	109	73-146	4	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	112	111	59-150	1	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	101	80-129	0	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	99	100	56-137	2	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	87	91	71-123	4	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101	103	80-120	3	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	102	101	75-126	1	30
Propionitrile	2.0	U	2.0	10	ug/l	103	109	67-143	6	30
Styrene	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	103	80-120	0	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	97	97	80-120	0	30
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	100	100	80-120	0	30
Toluene	0.1 U	0.1	0.5	ug/l	101	101	80-120	0	30
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	103	104	80-120	0	30
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	100	100	80-120	0	30
Trichloroethene	0.1 U	0.1	0.5	ug/l	104	104	80-120	0	30
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	118	117	64-141	1	30
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102	101	80-120	1	30
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	77	75	38-145	2	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	102	102	80-120	0	30

Batch number: C143571AA	Sample number (s): 7720348,7720350,7720352,7720354,7720359,7720361,7720363									
Acetone	3.0 U	3.0	5.0	ug/l	123	120	60-139	3	30	
Acetonitrile	7.0 U	7.0	20	ug/l	95	102	50-145	7	30	
Allyl Chloride	0.1 U	0.1	0.5	ug/l	96	99	66-120	4	30	
Benzene	0.1 U	0.1	0.5	ug/l	98	99	80-120	1	30	
Bromochloromethane	0.1 U	0.1	0.5	ug/l	108	110	80-125	1	30	
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	103	103	80-120	1	30	
Bromoform	0.1 U	0.1	0.5	ug/l	97	96	72-138	1	30	
Bromomethane	0.1 U	0.1	0.5	ug/l	98	101	62-126	3	30	
2-Butanone	1.0 U	1.0	5.0	ug/l	111	111	63-137	0	30	
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	109	111	70-128	1	30	
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	110	109	80-135	0	30	
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	95	97	78-120	2	30	
Chlorobenzene	0.1 U	0.1	0.5	ug/l	103	103	80-120	1	30	
Chloroethane	0.1 U	0.1	0.5	ug/l	93	97	68-120	4	30	
Chloroform	0.1 U	0.1	0.5	ug/l	106	105	80-120	0	30	
Chloromethane	0.2 U	0.2	0.5	ug/l	88	93	55-120	5	30	
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	117	113	64-141	3	30	
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	105	104	80-126	0	30	
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	103	103	80-120	0	30	
Dibromomethane	0.1 U	0.1	0.5	ug/l	105	105	80-120	0	30	
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	55	54	14-166	2	30	
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	90	92	35-142	3	30	
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	96	98	80-120	2	30	
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	106	108	76-132	2	30	
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	97	98	80-123	0	30	
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	99	100	80-120	1	30	
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102	102	80-120	0	30	
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	97	98	80-120	1	30	
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	91	93	80-120	2	30	
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94	95	80-120	1	30	
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	83	85	70-120	2	30	
Ethylbenzene	0.1 U	0.1	0.5	ug/l	99	100	80-120	1	30	
2-Hexanone	1.0 U	1.0	5.0	ug/l	90	92	72-124	2	30	
Isobutyl Alcohol	10 U	10	25	ug/l	107	104	73-146	3	30	
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	117	114	59-150	3	30	
Methyl Iodide	0.1 U	0.1	0.5	ug/l	102	104	80-129	2	30	
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	103	103	56-137	0	30	
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	88	91	71-123	3	30	
Methylene Chloride	0.2 U	0.2	0.5	ug/l	102	103	80-120	1	30	
Pentachloroethane	0.2 U	0.2	0.5	ug/l	102	104	75-126	3	30	
Propionitrile	2.0 U	2.0	10	ug/l	107	109	67-143	2	30	
Styrene	0.1 U	0.1	0.5	ug/l	102	102	80-120	0	30	
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	107	104	80-120	2	30	
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	92	94	80-120	2	30	

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Analysis Name	Blank		Blank		Report	LCS	LCS	LCS/LCSD	RPD	RPD
	Result	U	MDL**	LOQ						
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
Toluene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	100	102	80-120	1	30
Trichloroethene	0.1	U	0.1	0.5	ug/l	103	104	80-120	1	30
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	115	115	64-141	0	30
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	101	103	80-120	2	30
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	82	78	38-145	5	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Batch number: E143571AA Sample number(s): 7720350,7720352,7720354,7720359,7720361,7720363										
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	102		70-130		
Batch number: E143572AA Sample number(s): 7720346,7720348										
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	95	94	70-130	1	30
Batch number: T143551AA Sample number(s):										
Acrolein	40	U	40.	100	ug/l	90		59-120		
Acrylonitrile	4	U	4.	20	ug/l	105		62-120		
Batch number: 14354WAM026 Sample number(s): 7720350,7720352,7720354-7720356										
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	90		56-134		
Diphenyl ether	0.5	U	0.5	1	ug/l	91		77-113		
Batch number: 143560636001 Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357										
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143565713004 Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357										
Mercury	0.000060	U	0.00006	0.00020	mg/l	92		80-120		
	U		0							
Batch number: 143580639001A Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357										
Antimony	0.00033	U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082	U	0.00008	0.0020	mg/l	100		80-120		
	U		2							
Thallium	0.00015	U	0.00015	0.0010	mg/l	100		80-120		

Sample Matrix Quality Control

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1527084

Reported: 01/05/15 at 12:18 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>		
Batch number: C143551AA	Sample number(s): 7720346 BKG: P717698										
Acetone						3.0	U	3.0	U	0 (1)	30
Acetonitrile						7.0	U	7.0	U	0 (1)	30
Allyl Chloride						0.1	U	0.1	U	0 (1)	30
Benzene						0.1	U	0.1	U	0 (1)	30
Bromochloromethane						0.1	U	0.1	U	0 (1)	30
Bromodichloromethane						0.1	U	0.1	U	0 (1)	30
Bromoform						0.1	U	0.1	U	0 (1)	30
Bromomethane						0.1	U	0.1	U	0 (1)	30
2-Butanone						1.0	U	1.0	U	0 (1)	30
Carbon Disulfide						0.4	U	0.4	U	0 (1)	30
Carbon Tetrachloride						0.1	U	0.1	U	0 (1)	30
2-Chloro-1,3-butadiene						0.1	U	0.1	U	0 (1)	30
Chlorobenzene						0.1	U	0.1	U	0 (1)	30
Chloroethane						0.1	U	0.1	U	0 (1)	30
Chloroform						0.1	U	0.1	U	0 (1)	30
Chloromethane						0.2	U	0.2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U	0.2	U	0 (1)	30
Dibromochloromethane						0.1	U	0.1	U	0 (1)	30
1,2-Dibromoethane						0.1	U	0.1	U	0 (1)	30
Dibromomethane						0.1	U	0.1	U	0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U	1.0	U	0 (1)	30
Dichlorodifluoromethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,2-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethene						0.9		0.9		1 (1)	30
cis-1,2-Dichloroethene						1		1		1 (1)	30
trans-1,2-Dichloroethene						0.1	U	0.1	U	0 (1)	30
1,2-Dichloropropane						0.1	U	0.1	U	0 (1)	30
cis-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
trans-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
Ethyl Methacrylate						0.1	U	0.1	U	0 (1)	30
Ethylbenzene						0.1	U	0.1	U	0 (1)	30
2-Hexanone						1.0	U	1.0	U	0 (1)	30
Isobutyl Alcohol						10	U	10	U	0 (1)	30
Methacrylonitrile						1.0	U	1.0	U	0 (1)	30
Methyl Iodide						0.1	U	0.1	U	0 (1)	30
Methyl Methacrylate						0.1	U	0.1	U	0 (1)	30
4-Methyl-2-pentanone						1.0	U	1.0	U	0 (1)	30
Methylene Chloride						0.2	U	0.2	U	0 (1)	30
Pentachloroethane						0.2	U	0.2	U	0 (1)	30
Propionitrile						2.0	U	2.0	U	0 (1)	30
Styrene						0.1	U	0.1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
Tetrachloroethene						1		1		2 (1)	30
Toluene						0.1	U	0.1	U	0 (1)	30
1,1,1-Trichloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2-Trichloroethane						0.1	U	0.1	U	0 (1)	30
Trichloroethene						0.8		0.7		3 (1)	30
Trichlorofluoromethane						6.0		5.8		3	30
1,2,3-Trichloropropane						0.3	U	0.3	U	0 (1)	30

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>	
Vinyl Acetate						0.2	U	0.2	U	0 (1)	30
Xylene (Total)						0.1	U	0.1	U	0 (1)	30

Batch number: C143571AA

Sample number(s): 7720348,7720350,7720352,7720354,7720359,7720361,7720363 BKG:
7720350

Acetone						3.0	U	3.0	U	0 (1)	30
Acetonitrile						7.0	U	7.0	U	0 (1)	30
Allyl Chloride						0.1	U	0.1	U	0 (1)	30
Benzene						0.1	U	0.1	U	0 (1)	30
Bromochloromethane						0.1	U	0.1	U	0 (1)	30
Bromodichloromethane						0.1	U	0.1	U	0 (1)	30
Bromoform						0.1	U	0.1	U	0 (1)	30
Bromomethane						0.1	U	0.1	U	0 (1)	30
2-Butanone						1.0	U	1.0	U	0 (1)	30
Carbon Disulfide						0.4	U	0.4	U	0 (1)	30
Carbon Tetrachloride						0.1	U	0.1	U	0 (1)	30
2-Chloro-1,3-butadiene						0.1	U	0.1	U	0 (1)	30
Chlorobenzene						0.1	U	0.1	U	0 (1)	30
Chloroethane						0.1	U	0.1	U	0 (1)	30
Chloroform						0.1	U	0.1	U	0 (1)	30
Chloromethane						0.2	U	0.2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U	0.2	U	0 (1)	30
Dibromochloromethane						0.1	U	0.1	U	0 (1)	30
1,2-Dibromoethane						0.1	U	0.1	U	0 (1)	30
Dibromomethane						0.1	U	0.1	U	0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U	1.0	U	0 (1)	30
Dichlorodifluoromethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,2-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethene						0.1	U	0.1	U	0 (1)	30
cis-1,2-Dichloroethene						0.2	J	0.2	J	21 (1)	30
trans-1,2-Dichloroethene						0.1	U	0.1	U	0 (1)	30
1,2-Dichloropropane						0.1	U	0.1	U	0 (1)	30
cis-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
trans-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
Ethyl Methacrylate						0.1	U	0.1	U	0 (1)	30
Ethylbenzene						0.1	U	0.1	U	0 (1)	30
2-Hexanone						1.0	U	1.0	U	0 (1)	30
Isobutyl Alcohol						10	U	10	U	0 (1)	30
Methacrylonitrile						1.0	U	1.0	U	0 (1)	30
Methyl Iodide						0.1	U	0.1	U	0 (1)	30
Methyl Methacrylate						0.1	U	0.1	U	0 (1)	30
4-Methyl-2-pentanone						1.0	U	1.0	U	0 (1)	30
Methylene Chloride						0.2	U	0.2	U	0 (1)	30
Pentachloroethane						0.2	U	0.2	U	0 (1)	30
Propionitrile						2.0	U	2.0	U	0 (1)	30
Styrene						0.1	U	0.1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
Tetrachloroethene						0.1	U	0.1	U	0 (1)	30
Toluene						0.1	U	0.1	U	0 (1)	30
1,1,1-Trichloroethane						0.1	U	0.1	U	0 (1)	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane						0.1 U	0.1 U	0 (1)	30
Trichloroethene						0.1 U	0.1 J	200* (1)	30
Trichlorofluoromethane						0.1 U	0.1 U	0 (1)	30
1,2,3-Trichloropropane						0.3 U	0.3 U	0 (1)	30
Vinyl Acetate						0.2 U	0.2 U	0 (1)	30
Xylene (Total)						0.1 U	0.1 U	0 (1)	30
Batch number: E143571AA Sample number(s): 7720350,7720352,7720354,7720359,7720361,7720363 UNSPK: P721990									
Vinyl Chloride	100	99	70-130	1	30				
Batch number: T143551AA Sample number(s): 7720347,7720349,7720351,7720353,7720358,7720360,7720362,7720364 UNSPK: P711100									
Acrolein	91	88	39-136	2	30				
Acrylonitrile	104	105	51-125	1	30				
Batch number: 14354WAM026 Sample number(s): 7720350,7720352,7720354-7720356 UNSPK: 7720354									
1,1'-Biphenyl	91	93	73-114	3	30				
Diphenyl ether	92	94	81-105	3	30				
Batch number: 143560636001 Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354									
	BKG: 7720354								
Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	100	101	75-125	1	20	0.398 J	0.441	10 (1)	20
Manganese	196 (2)	220 (2)	75-125	2	20	5.68	5.67	0	20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	105	105	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1)	20
Batch number: 143565713004 Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354									
	BKG: 7720354								
Mercury	101	106	75-125	4	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143580639001A Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354									
	BKG: 7720354								
Antimony	99	94	75-125	6	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	96	104	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	101	97	75-125	4	20	0.00017 U	0.00017 U	0 (1)	20
Lead	98	96	75-125	2	20	0.00013 J	0.00010 J	26* (1)	20
Thallium	98	92	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

Surrogate Quality Control

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720346	108	106	98	96
Blank	106	103	98	96
DUP	106	103	99	95
LCS	106	100	101	102
LCSD	103	102	101	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: C143571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720348	110	105	96	93
7720350	106	103	97	95
7720352	109	105	96	96
7720354	108	104	96	95
7720359	109	103	97	95
7720361	109	105	96	95
7720363	108	104	96	95
Blank	107	105	96	94
DUP	108	103	96	96
LCS	104	103	100	101
LCSD	103	102	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143571AA

	Dibromofluoromethane
7720350	100
7720352	96
7720354	97
7720359	98
7720361	99
7720363	100
Blank	101
LCS	97
MS	100
MSD	98
Limits:	80-120

Analysis Name: Vinyl Chloride
Batch number: E143572AA

	Dibromofluoromethane
7720346	99
7720348	100
Blank	101
LCS	99
LCSD	99
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 01/05/15 at 12:18 PM

Group Number: 1527084

Surrogate Quality Control

Batch number: T143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720347	111	108	94	93
7720349	110	106	98	96
7720351	108	94	98	98
7720353	111	104	97	95
7720358	109	101	97	95
7720360	112	107	96	96
7720362	112	102	94	93
7720364	105	103	97	96
Blank	109	100	96	94
LCS	107	102	96	99
MS	109	103	98	99
MSD	108	101	98	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14354WAM026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7720350	86	91	87
7720352	86	89	83
7720354	80	84	74
7720355	85	88	83
7720356	88	91	84
Blank	85	86	79
LCS	89	88	51
MS	85	88	83
MSD	88	91	84
Limits:	60-123	67-116	40-147

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Client: Dupont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>12/19/2014 10:20</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (\geq 6mm):	See Below
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	6
Samples Intact:	Yes	Trip Blank Type:	See Below
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4-HCL 2-unpres

VOA Vial IDs (Headspace \geq 6mm): 1 vial for MW-222-A-A lid was loose

Unpacked by Brandy Barclay (2299) at 12:04 on 12/19/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.5	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N

General Comments: MW-222B MS metals bottle in 500ml plastic

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns $>25\%$
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is $<$ CRDL, but \geq IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

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2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 04, 2014

Project: BRE - GW

Submittal Date: 11/22/2014

Group Number: 1520707

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-212B Groundwater
SSP14-GW-MW-212B MS Groundwater
SSP14-GW-MW-212B MSD Groundwater
SSP14-GW-MW-212B-A Groundwater
SSP14-GW-MW-212B-A MS Groundwater
SSP14-GW-MW-212B-A MSD Groundwater
SSP14-GW-MW-212B-D Groundwater
SSP14-GW-MW-212B-A-D Groundwater
SSP14-GW-MW-212A Groundwater
SSP14-GW-MW-212A-A Groundwater
TB-112114 Blank Water
TB-112114-A Blank Water

Lancaster Labs (LL)

7686518
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7686523
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7686529

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.3 J		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.8		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.8		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	23		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.6		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.6		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 J		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	1.1		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	96		1.0	5.0	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.19		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	20	1
10461	1,1'-Biphenyl	92-52-4	2		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25 U		25	76	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	5	U	1	5	1
10461	Diphenyl ether	101-84-8	7	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	U	2	5	1
10461	Isodrin	465-73-6	0.5 U	U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	U	2	5	1
10461	Methapyrilene	91-80-5	15 U	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1 U	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	25 U	U	25	61	1
10461	1-Naphthylamine	134-32-7	5 U	U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
			ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1
GC/MS Semivolatiles SW-846 8270D SIM						
			ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U	0.010	0.051	1
12971	Fluorene	86-73-7	0.041 J	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.046 J	0.010	0.051	1
12971	Naphthalene	91-20-3	0.46	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U	0.030	0.061	1
12971	Pyrene	129-00-0	0.012 J	0.010	0.051	1
Metals SW-846 6010C						
			mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0044 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0012 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0016 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.722	0.0334	0.400	1
07058	Manganese	7439-96-5	0.801	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	mg/l 0.0053 J	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	mg/l 0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00046 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
Metals						
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 07:10	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 14:20	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:10	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 14:20	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:02	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14330WAA026	11/28/2014 18:36	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14330WAD026	12/01/2014 16:15	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14330WAD026	11/26/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14330WAA026	11/26/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	18:01	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	18:01	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:47	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:47	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:47	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:47	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:47	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:56	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B MS Groundwater
GW 2014

LL Sample # WW 7686519
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	43	3.0	5.0	1
02898	Acetonitrile	75-05-8	46	7.0	20	1
02898	Allyl Chloride	107-05-1	5.2	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.2	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.9	0.1	0.5	1
02898	Bromoform	75-25-2	4.0	0.1	0.5	1
02898	Bromomethane	74-83-9	4.9	0.1	0.5	1
02898	2-Butanone	78-93-3	42	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.4	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.2	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	4.7	0.1	0.5	1
02898	Chloroform	67-66-3	5.5	0.1	0.5	1
02898	Chloromethane	74-87-3	4.5	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.7	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.1	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	26	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	6.0	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	28	E	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.3	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.5	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.5	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.6	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.4	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.1	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	43	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.3	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.3	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	23	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.6	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.0	0.2	0.5	1
02898	Propionitrile	107-12-0	41	2.0	10	1
02898	Styrene	100-42-5	5.0	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.0	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.9	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4	0.1	0.5	1
02898	Toluene	108-88-3	5.1	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.3	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.1	0.1	0.5	1
02898	Trichloroethene	79-01-6	6.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	130	E	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B MS Groundwater
GW 2014

LL Sample # WW 7686519
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.1	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.70	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 07:33	Kerri E Legerlotz	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 08:18	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:33	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 08:18	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:22	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B MSD Groundwater
GW 2014

LL Sample # WW 7686520
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	46	3.0	5.0	1
02898	Acetonitrile	75-05-8	45	7.0	20	1
02898	Allyl Chloride	107-05-1	5.5	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.2	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.9	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	5.0	0.1	0.5	1
02898	2-Butanone	78-93-3	45	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.3	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.2	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.2	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	4.8	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.7	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.2	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	26	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.5	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	6.0	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	27	E	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.2	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.6	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.6	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.7	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.6	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	46	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.7	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.1	0.2	0.5	1
02898	Propionitrile	107-12-0	44	2.0	10	1
02898	Styrene	100-42-5	5.2	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.1	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.0	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4	0.1	0.5	1
02898	Toluene	108-88-3	5.1	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.2	0.1	0.5	1
02898	Trichloroethene	79-01-6	6.4	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	120	E	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B MSD Groundwater
GW 2014

LL Sample # WW 7686520
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	5.3	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.72	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 07:56	Kerri E Legerlotz	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 08:41	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:56	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 08:41	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:43	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-A Groundwater
GW 2014

LL Sample # WW 7686521
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 20:38	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 20:38	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-A MS Groundwater
GW 2014

LL Sample # WW 7686522
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	110	40	100	1
10335	Acrylonitrile	107-13-1	61	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 20:59	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 20:59	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-A MSD Groundwater
GW 2014

LL Sample # WW 7686523
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A212B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	61	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 21:20	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 21:20	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-D Groundwater
GW 2014

LL Sample # WW 7686524
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.3 J		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.9		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.8		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	20		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.6		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.6		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 J		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	1.1		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	95		1.0	5.0	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-D Groundwater
GW 2014

LL Sample # WW 7686524
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.19		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 09:04	Kerri E Legerlotz	1
	purge						
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 14:43	Kerri E Legerlotz	10
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 15:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 09:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 14:43	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 15:04	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212B-A-D Groundwater
GW 2014

LL Sample # WW 7686525
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A212D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 21:41	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 21:41	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.6	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	7.3 J	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.3 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.2 J	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 J	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 J	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	37	1.0	5.0	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.080	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.6 U	0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6 U	0.6	1	1
10461	Aniline	62-53-3	0.6 U	0.6	1	1
10461	Benzyl alcohol	100-51-6	11 U	11	22	1
10461	1,1'-Biphenyl	92-52-4	0.6 U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6 U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6 U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6 U	0.6	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6 U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6 U	0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.6 U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.6 U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6 U	0.6	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	6	1
10461	Dibenzofuran	132-64-9	0.6 U	0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6 U	0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6 U	0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.6 U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6 U	0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	0.6 U	0.6	1	1
10461	Diethylphthalate	84-66-2	2 U	2	6	1
10461	Dimethoate	60-51-5	3 U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6 U	0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6 U	0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	28 U	28	84	1
10461	2,4-Dimethylphenol	105-67-9	0.6 U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6 U	6	17	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	6	1
10461	2,4-Dinitrophenol	51-28-5	11 U	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l		
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	2	J	1	6	1
10461	Diphenyl ether	101-84-8	0.9	J	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	17	U	17	56	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	28	U	28	67	1
10461	1-Naphthylamine	134-32-7	6	U	6	17	1
10461	2-Naphthylamine	91-59-8	6	U	6	17	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	22	U	22	67	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
			ug/l	ug/l	ug/l	
10461	Phenacetin	62-44-2	0.6 U	0.6	1	1
10461	Phenol	108-95-2	0.6 U	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	84 U	84	330	1
10461	2-Picoline	109-06-8	2 U	2	6	1
10461	Pronamide	23950-58-5	0.6 U	0.6	1	1
10461	Pyridine	110-86-1	2 U	2	6	1
10461	Safrole	94-59-7	2 U	2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6 U	0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6 U	0.6	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	6	1
10461	Thionazin	297-97-2	2 U	2	6	1
10461	o-Toluidine	95-53-4	0.6 U	0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6 U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6 U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6 U	0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6 U	6	17	1
GC/MS Semivolatiles SW-846 8270D SIM						
			ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.056	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.056	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.056	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.056	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.056	1
12971	Fluorene	86-73-7	0.013 J	0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.056	1
12971	Naphthalene	91-20-3	0.084	0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033 U	0.033	0.067	1
12971	Pyrene	129-00-0	0.018 J	0.011	0.056	1
Metals SW-846 6010C						
			mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0071 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00075 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0024 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0022 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	36.8	0.0334	0.400	1
07058	Manganese	7439-96-5	7.37	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0022 J	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

B212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	mg/l 0.0100 J	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	mg/l 0.00040 J	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.0023 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00015 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
Metals						
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 09:27	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 15:06	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 15:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 09:27	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 15:06	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 15:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14330WAA026	11/28/2014 19:05	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14330WAD026	12/01/2014 16:42	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14330WAD026	11/26/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14330WAA026	11/26/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:35	Elaine F Stoltzfus	10
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

B212A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	18:05	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	18:05	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	18:05	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:49	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:49	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:49	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:49	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:49	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:52	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-212A-A Groundwater
GW 2014

LL Sample # WW 7686527
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A212A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 22:02	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 22:02	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112114 Blank Water
GW 2014

LL Sample # WW 7686528
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

12ATB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112114 Blank Water
GW 2014

LL Sample # WW 7686528
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

12ATB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 06:47	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 08:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 06:47	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 08:21	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112114-A Blank Water
GW 2014

LL Sample # WW 7686529
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/22/2014 08:45

Reported: 12/04/2014 20:59

A12AT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 22:24	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 22:24	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143301AA	Sample number(s): 7686518-7686520, 7686524, 7686526, 7686528								
Acetone	3.0	U	3.0	5.0	ug/l	118	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	122	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	99	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	84	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	97	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	113	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	106	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	103	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	103	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	99	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	92	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	87	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	113	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	95	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	101	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	101	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	122	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	85	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	103	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	97	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	86	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	93	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	100	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	106	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	107	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	93	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	98	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	109	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	101	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	100	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	99		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	100		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	103		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	100		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	98		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	99		80-120		
Batch number: E143312AA Sample number(s): 7686518-7686520,7686524,7686526,7686528									
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	105		70-130		
Batch number: Y143282AA Sample number(s): 7686521-7686523,7686525,7686527,7686529									
Acrolein	40 U	40.	100	ug/l	80		59-120		
Acrylonitrile	4 U	4.	20	ug/l	68		62-120		
Batch number: 14330WAA026 Sample number(s): 7686518,7686526									
Acetophenone	0.5 U	0.5	1	ug/l	99	95	78-112	4	30
2-Acetylaminofluorene	2 U	2.	5	ug/l	113	108	78-131	5	30
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	83	78	34-95	6	30
Aniline	0.5 U	0.5	1	ug/l	72	66	34-97	9	30
Benzyl alcohol	10 U	10.	20	ug/l	78	75	58-122	5	30
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	98	96	56-134	2	30
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	105	102	82-118	4	30
Butylbenzylphthalate	2 U	2.	5	ug/l	107	102	73-122	5	30
Di-n-butylphthalate	2 U	2.	5	ug/l	104	100	80-119	4	30
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	98	91	78-118	8	30
4-Chloroaniline	0.5 U	0.5	1	ug/l	86	80	44-114	8	30
Chlorobenzilate	3 U	3.	10	ug/l	107	100	38-149	7	30
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	103	97	77-115	5	30
bis(2-Chloroethyl) ether	0.5 U	0.5	1	ug/l	98	94	78-112	4	30
bis(2-Chloroisopropyl) ether	0.5 U	0.5	1	ug/l	95	93	54-128	2	30
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	101	99	66-125	2	30
2-Chlorophenol	0.5 U	0.5	1	ug/l	92	83	76-111	11	30
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	104	102	78-119	2	30
Diallate trans/cis	1 U	1.	5	ug/l	110	106	80-126	4	30
Dibenzofuran	0.5 U	0.5	1	ug/l	104	101	81-110	3	30
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	91	90	62-116	1	30
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	87	86	57-115	1	30
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	89	89	60-115	0	30
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	95	89	39-111	7	30
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	100	92	84-119	8	30
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	104	95	83-121	8	30
Diethylphthalate	2 U	2.	5	ug/l	103	100	70-118	3	30
Dimethoate	3 U	3.	10	ug/l	82	76	10-116	8	30
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	99	95	76-120	4	30
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	47	42	10-76	12	30
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	96	93	58-120	3	30
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	98	91	75-110	6	30
Dimethylphthalate	2 U	2.	5	ug/l	99	96	43-128	3	30
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	105	101	63-131	4	30
1,3-Dinitrobenzene	2 U	2.	5	ug/l	102	98	80-124	4	30
2,4-Dinitrophenol	10 U	10.	30	ug/l	79	75	39-130	6	30
2,4-Dinitrotoluene	1 U	1.	5	ug/l	105	102	84-126	3	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS D %REC</u>	<u>LCS/LCS D Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	105	103	81-124	2	30
1,4-Dioxane	1 U	1.	5	ug/l	54	51	39-83	7	30
Diphenyl ether	0.5 U	0.5	1	ug/l	100	97	77-113	3	30
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	94	89	77-113	5	30
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	109	104	78-124	5	30
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	101	99	80-119	3	30
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	86	86	55-124	1	30
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	36	34	18-130	3	30
Hexachloroethane	1 U	1.	5	ug/l	81	83	55-109	2	30
Hexachloropropene	2 U	2.	5	ug/l	68	67	47-121	2	30
Isodrin	0.5 U	0.5	1	ug/l	110	105	83-119	4	30
Isophorone	0.5 U	0.5	1	ug/l	106	103	81-124	3	30
Isosafrole	2 U	2.	5	ug/l	106	102	68-150	3	30
Methapyrilene	15 U	15.	50	ug/l	132*	120	70-130	9	30
Methyl methanesulfonate	1 U	1.	5	ug/l	72	67	42-112	6	30
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	107	103	84-117	4	30
2-Methylphenol	0.5 U	0.5	1	ug/l	91	84	72-111	8	30
4-Methylphenol	0.5 U	0.5	1	ug/l	90	82	56-109	8	30
1,4-Naphthoquinone	25 U	25.	60	ug/l	38	27	10-69	35*	30
1-Naphthylamine	5 U	5.	15	ug/l	64	61	10-92	5	30
2-Naphthylamine	5 U	5.	15	ug/l	66	63	17-87	4	30
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	89	85	35-103	4	30
2-Nitroaniline	0.5 U	0.5	1	ug/l	107	105	84-122	2	30
3-Nitroaniline	0.5 U	0.5	1	ug/l	91	85	61-117	7	30
4-Nitroaniline	0.5 U	0.5	1	ug/l	96	92	66-110	4	30
Nitrobenzene	0.5 U	0.5	1	ug/l	101	96	77-119	4	30
2-Nitrophenol	0.5 U	0.5	1	ug/l	102	98	82-121	4	30
4-Nitrophenol	10 U	10.	30	ug/l	63	57	20-89	10	30
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	92	88	48-128	4	30
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	97	96	71-117	1	30
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	91	88	74-114	3	30
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	99	94	79-116	4	30
N-Nitrosodimethylamine	2 U	2.	5	ug/l	55	53	38-98	4	30
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	102	98	80-115	3	30
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	87	82	72-115	6	30
N-Nitrosomorpholine	2 U	2.	5	ug/l	81	76	69-116	6	30
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	100	96	85-113	5	30
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	86	81	75-117	6	30
Di-n-octylphthalate	2 U	2.	5	ug/l	108	104	78-129	3	30
Pentachlorobenzene	0.5 U	0.5	1	ug/l	101	99	80-119	3	30
Pentachloronitrobenzene	2 U	2.	5	ug/l	105	99	84-135	6	30
Pentachlorophenol	1 U	1.	5	ug/l	101	94	60-130	6	30
Phenacetin	0.5 U	0.5	1	ug/l	99	93	81-120	7	30
Phenol	0.5 U	0.5	1	ug/l	52	47	25-80	8	30
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	76	68	57-110	12	30
Pronamide	0.5 U	0.5	1	ug/l	109	106	78-125	3	30
Pyridine	2 U	2.	5	ug/l	55	48	22-96	12	30
Safrole	2 U	2.	5	ug/l	98	96	81-117	2	30
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	95	93	77-113	2	30
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	111	103	76-128	7	30
Tetraethylthiopyrophosphate	1 U	1.	5	ug/l	101	97	75-114	5	30
Thionazin	2 U	2.	5	ug/l	105	102	68-116	2	30
o-Toluidine	0.5 U	0.5	1	ug/l	72	65	17-99	10	30
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	95	93	68-116	2	30
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	100	95	81-121	5	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	106	98	84-119	7	30
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	104	100	81-121	3	30
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	89	83	12-129	7	30
Batch number: 14330WAD026 Sample number(s): 7686518,7686526									
Acenaphthene	0.010 U	0.010	0.050	ug/l	106	111	82-126	4	30
Acenaphthylene	0.010 U	0.010	0.050	ug/l	88	93	72-124	5	30
Anthracene	0.010 U	0.010	0.050	ug/l	96	104	83-125	8	30
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	92	111	79-122	18	30
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	76	109	72-126	35*	30
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	82	115	79-136	33*	30
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	61	110	59-137	58*	30
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	73	111	72-129	41*	30
Chrysene	0.010 U	0.010	0.050	ug/l	87	110	77-122	23	30
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	55	109	42-143	66*	30
Fluoranthene	0.010 U	0.010	0.050	ug/l	95	105	76-121	10	30
Fluorene	0.010 U	0.010	0.050	ug/l	98	103	82-119	5	30
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	57	109	53-136	62*	30
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	88	96	68-124	8	30
Naphthalene	0.030 U	0.030	0.060	ug/l	94	98	78-117	3	30
Phenanthrene	0.030 U	0.030	0.060	ug/l	92	98	83-116	6	30
Pyrene	0.010 U	0.010	0.050	ug/l	98	106	70-124	8	30
Batch number: 143295713004 Sample number(s): 7686518,7686526									
Mercury	0.000060 U	0.00006	0.00020	mg/l	96		80-120		
Batch number: 143300636001 Sample number(s): 7686518,7686526									
Barium	0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	98		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	98		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	101		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	103		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	104		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143300639001A Sample number(s): 7686518,7686526									
Antimony	0.00033 U	0.00033	0.0020	mg/l	89		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	97		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	95		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	103		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	104		80-120		

Sample Matrix Quality Control

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1520707

Reported: 12/04/14 at 08:59 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: C143301AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528 UNSPK: 7686518								
Acetone	115	122	57-163	6	30				
Acetonitrile	124	120	77-129	3	30				
Allyl Chloride	104	109	61-120	5	30				
Benzene	101	102	87-126	0	30				
Bromochloromethane	103	105	82-125	1	30				
Bromodichloromethane	97	98	82-133	0	30				
Bromoform	80	83	60-138	4	30				
Bromomethane	97	100	66-130	3	30				
2-Butanone	111	120	56-160	8	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	109	106	81-148	2	30				
2-Chloro-1,3-butadiene	105	104	78-128	1	30				
Chlorobenzene	102	104	78-133	2	30				
Chloroethane	95	101	70-139	6	30				
Chloroform	104	103	86-136	1	30				
Chloromethane	91	97	49-135	6	30				
1,2-Dibromo-3-chloropropane	114	118	53-163	3	30				
Dibromochloromethane	93	95	79-125	2	30				
1,2-Dibromoethane	101	103	84-127	2	30				
Dibromomethane	101	102	83-126	1	30				
trans-1,4-Dichloro-2-butene	103	105	11-172	2	30				
Dichlorodifluoromethane	91	93	28-136	2	30				
1,1-Dichloroethane	99	99	81-126	0	30				
1,2-Dichloroethane	103	104	82-135	0	30				
1,1-Dichloroethene	89 (2)	68 (2)	86-132	4	30				
cis-1,2-Dichloroethene	101	100	82-129	0	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	98	100	91-126	2	30				
cis-1,3-Dichloropropene	90	92	74-132	3	30				
trans-1,3-Dichloropropene	91	95	71-128	3	30				
Ethyl Methacrylate	88	92	73-134	4	30				
Ethylbenzene	103	104	80-140	1	30				
2-Hexanone	100	108	51-149	7	30				
Isobutyl Alcohol	103	108	65-146	5	30				
Methacrylonitrile	115	122	58-155	6	30				
Methyl Iodide	107	107	71-137	0	30				
Methyl Methacrylate	106	113	48-152	7	30				
4-Methyl-2-pentanone	94	99	69-149	5	30				
Methylene Chloride	99	98	77-135	1	30				
Pentachloroethane	99	103	68-145	4	30				
Propionitrile	110	117	63-147	6	30				
Styrene	99	103	71-138	4	30				
1,1,1,2-Tetrachloroethane	100	102	87-126	2	30				
1,1,2,2-Tetrachloroethane	97	100	75-131	3	30				
Tetrachloroethene	103	103	75-129	0	30				
Toluene	101	103	83-127	1	30				
1,1,1-Trichloroethane	104	102	85-140	1	30				
1,1,2-Trichloroethane	101	103	85-129	2	30				
Trichloroethene	108	105	85-131	2	30				
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
1,2,3-Trichloropropane	101	107	76-120	6	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Vinyl Acetate	94	94	27-162	1	30				
Xylene (Total)	101	103	81-137	1	30				
Batch number: E143312AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528 UNSPK: 7686518								
Vinyl Chloride	102	107	70-130	3	30				
Batch number: Y143282AA	Sample number(s): 7686521-7686523,7686525,7686527,7686529 UNSPK: 7686521								
Acrolein	76	79	39-136	4	30				
Acrylonitrile	61	61	51-125	0	30				
Batch number: 143295713004	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143300639001A	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7686518	102	102	98	97
7686519	102	99	99	100
7686520	101	100	99	100
7686524	102	100	98	98
7686526	102	100	98	97
7686528	102	101	98	97

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

Surrogate Quality Control

Blank	102	99	98	97
LCS	102	101	99	100
MS	102	99	99	100
MSD	101	100	99	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143312AA
Dibromofluoromethane

7686518	103
7686519	102
7686520	103
7686524	103
7686526	102
7686528	104
Blank	105
LCS	103
MS	102
MSD	103
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y143282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7686521	106	102	97	93
7686522	106	105	98	99
7686523	104	100	98	99
7686525	106	102	96	93
7686527	108	102	96	92
7686529	108	104	95	91
Blank	106	105	96	93
LCS	104	104	98	99
MS	106	105	98	99
MSD	104	100	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14330WAA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7686518	24	38	79	84	85	77
7686526	12	20	49	82	82	72
Blank	30	46	87	82	82	95
LCS	47	63	110	100	98	107
LCSD	43	56	104	96	94	102
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14330WAD026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7686518	84	43	101
7686526	86	62	98
Blank	106	112	103
LCS	102	88	102
LCSD	112	119	107

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/04/14 at 08:59 PM

Group Number: 1520707

Surrogate Quality Control

Limits: 56-134

36-156

59-132

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster
Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1520707 Sample Nos.: 7686518-29
 Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23639 **30586**
 Cooler Temperature upon receipt: 0.4 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey					Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379					GC/MS VOAs (25 ml purge 8260) Acrylonitrile (8260)* Vinyl Chloride (8260 SIM)										Comments:					
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646															3 day holding time for acrolein and acrylonitrile					
1300 Staton Road		Release No.:																				
Cedar Mountain NC 28718		PO Number: LBIO-67047																				
Sampler(s): <u>K. Trague, W. Parker</u>		Project Name: GW 2014																				
Sample Identification				Date Collected	Time Collected	Matrix	Containers												Groundwater			
				Volume (ml)	Preserv	No.																
SSP14-GW-MW-212B				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
SSP14-GW-MW-212B-A				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											
SSP14-GW-MW- 214 <u>212A</u>				<u>11/21/14</u>	<u>910</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
SSP14-GW-MW- 214-A <u>212A-A</u>				<u>11/21/14</u>	<u>910</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											
<u>SSP14-GW-MW-212B</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>MS</u>
<u>SSP14-GW-MW-212B-A</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											<u>MS</u>
<u>SSP14-GW-MW-212B</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>MSD</u>
<u>SSP14-GW-MW-212B-A</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											<u>MSD</u>
<u>SSP14-GW-MW-212B-D</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>DUP</u>
<u>SSP14-GW-MW-212B-A-D</u>				<u>11/21/14</u>	<u>1001</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>											<u>DUP</u>
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions: *3 Day Holding Time												
Bottles Relinquished by: <u>K. Trague</u>			Date: <u>11/21/14</u>		Time: <u>1300</u>		Bottles Received by:			Date:		Time:										
Bottles Relinquished by:			Date:		Time:		Bottles Received by:			Date:		Time:										
Bottles Relinquished by:			Date:		Time:		Bottles Received by:			Date:		Time:										
Bottles Relinquished by:			Date:		Time:		Bottles Received by: <u>[Signature]</u>			Date: <u>11/22/14</u>		Time: <u>8:45</u>										

Client: DuPont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>11/22/2014 8:45</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	3
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2- HCl, 1- Unpreserved

Unpacked by Jordan Woods (6698) at 09:38 on 11/22/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 05, 2014

Project: BRE - GW

Submittal Date: 11/21/2014

Group Number: 1520484

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-302A Groundwater
SSP14-GW-MW-302A-A Groundwater
SSP14-GW-MW-302B Groundwater
SSP14-GW-MW-302B MS Groundwater
SSP14-GW-MW-302B MSD Groundwater
SSP14-GW-MW-302B-A Groundwater
SSP14-GW-BR-1 Groundwater
SSP14-GW-BR-1-A Groundwater
SSP14-GW-BR-2 Groundwater
SSP14-GW-BR-2-A Groundwater
SSP14-GW-MW-301A Groundwater
SSP14-GW-MW-301A-A Groundwater
SSP14-GW-MW-301B Groundwater
SSP14-GW-MW-301B-A Groundwater
TB-112014 Blank Water
TB-112014-A Blank Water

Lancaster Labs (LL)

7684939
7684940
7684941
7684942
7684943
7684944
7684945
7684946
7684947
7684948
7684949
7684950
7684951
7684952
7684953
7684954

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	21	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	78	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302A-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10461	Phenacetin	62-44-2	0.5 U	ug/l	ug/l	1
10461	Phenol	108-95-2	0.5 U	ug/l	ug/l	1
10461	1,4-Phenylenediamine	106-50-3	78 U	ug/l	ug/l	1
10461	2-Picoline	109-06-8	2 U	ug/l	ug/l	1
10461	Pronamide	23950-58-5	0.5 U	ug/l	ug/l	1
10461	Pyridine	110-86-1	2 U	ug/l	ug/l	1
10461	Safrole	94-59-7	2 U	ug/l	ug/l	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	ug/l	ug/l	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	ug/l	ug/l	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	ug/l	ug/l	1
10461	Thionazin	297-97-2	2 U	ug/l	ug/l	1
10461	o-Toluidine	95-53-4	0.5 U	ug/l	ug/l	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	ug/l	ug/l	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	ug/l	ug/l	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	ug/l	ug/l	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	ug/l	ug/l	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	ug/l	ug/l	1
The QC limits for 1,4-naphthoquinone are advisory.						
GC/MS Semivolatiles SW-846 8270D SIM						
12971	Acenaphthene	83-32-9	0.010 U	ug/l	ug/l	1
12971	Acenaphthylene	208-96-8	0.010 U	ug/l	ug/l	1
12971	Anthracene	120-12-7	0.010 U	ug/l	ug/l	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	ug/l	ug/l	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	ug/l	ug/l	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	ug/l	ug/l	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	ug/l	ug/l	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	ug/l	ug/l	1
12971	Chrysene	218-01-9	0.010 U	ug/l	ug/l	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	ug/l	ug/l	1
12971	Fluoranthene	206-44-0	0.010 U	ug/l	ug/l	1
12971	Fluorene	86-73-7	0.010 U	ug/l	ug/l	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	ug/l	ug/l	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	ug/l	ug/l	1
12971	Naphthalene	91-20-3	0.031 U	ug/l	ug/l	1
12971	Phenanthrene	85-01-8	0.031 U	ug/l	ug/l	1
12971	Pyrene	129-00-0	0.010 U	ug/l	ug/l	1
GC Miscellaneous SW-846 8015C Feb 2007 Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U	mg/l	mg/l	1
12926	Ethylene glycol	107-21-1	8.0 U	mg/l	mg/l	1
12926	Propylene glycol	57-55-6	8.0 U	mg/l	mg/l	1
12926	Triethylene glycol	112-27-6	8.0 U	mg/l	mg/l	1
Metals SW-846 6010C						
07046	Barium	7440-39-3	0.00083 J	mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.00067 U	mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0013 U	mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0010 U	mg/l	mg/l	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0894 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0032 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 09:49	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 13:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 09:49	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 13:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 22:40	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 19:00	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 22:34	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:33	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:33	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:33	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:33	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:33	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:41	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302A-A Groundwater
GW 2014

LL Sample # WW 7684940
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 05:12	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 05:12	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	21	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27 U		27	80	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

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Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	27	U	27	64	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	80 U		80	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.054	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.054	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.054	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.054	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.064	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.054	1
GC	Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.00057 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

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Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.170 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0054 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000083 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 10:12	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 13:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:12	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 13:23	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 23:09	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 19:28	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:17	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

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Iron Hill Corporate Center
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Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:34	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:34	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:34	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:34	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:34	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:34	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:54	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B MS Groundwater
GW 2014

LL Sample # WW 7684942
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3		mg/l	mg/l	mg/l	
12926	Diethylene glycol	111-46-6	180	8.0	10	1
12926	Ethylene glycol	107-21-1	190	8.0	10	1
12926	Propylene glycol	57-55-6	180	8.0	10	1
12926	Triethylene glycol	112-27-6	170	8.0	10	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:31	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B MSD Groundwater
GW 2014

LL Sample # WW 7684943
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3		mg/l	mg/l	mg/l	
12926	Diethylene glycol	111-46-6	200	8.0	10	1
12926	Ethylene glycol	107-21-1	200	8.0	10	1
12926	Propylene glycol	57-55-6	190	8.0	10	1
12926	Triethylene glycol	112-27-6	190	8.0	10	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:46	Tyler O Griffin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-302B-A Groundwater
GW 2014

LL Sample # WW 7684944
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

302BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 15:51	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 15:51	Chelsea B Stong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	21	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	79	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	64	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

GBR-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79 U		79	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.021 J		0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.014 J		0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.014 J		0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.064	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.053	1
GC	Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.00043 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0040 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

GBR-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	17.9	0.0334	0.400	1
07058	Manganese	7439-96-5	0.102	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0033 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 10:34	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 13:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:34	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 13:43	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 23:38	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 19:55	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 22:49	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:38	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:36	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:36	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:36	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:36	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:36	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:43	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-1-A Groundwater
GW 2014

LL Sample # WW 7684946
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR1A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 05:54	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 05:54	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

GBR-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U		11	21	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	79	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U		2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U		5	16	1
10461	Hexachloroethane	67-72-1	1 U		1	5	1
10461	Hexachloropropene	1888-71-7	2 U		2	5	1
10461	Isodrin	465-73-6	0.5 U		0.5	1	1
10461	Isophorone	78-59-1	0.5 U		0.5	1	1
10461	Isosafrole	120-58-1	2 U		2	5	1
10461	Methapyrilene	91-80-5	16 U		16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1 U		1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U		0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U		0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U		0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26 U		26	63	1
10461	1-Naphthylamine	134-32-7	5 U		5	16	1
10461	2-Naphthylamine	91-59-8	5 U		5	16	1
10461	2-Nitroaniline	88-74-4	0.5 U		0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U		0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U		0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U		0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U		0.5	1	1
10461	4-Nitrophenol	100-02-7	11 U		11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21 U		21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U		0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2 U		2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U		2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U		2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U		2	5	1
10461	Pentachlorophenol	87-86-5	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

GBR-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79 U		79	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.063	1
12971	Pyrene	129-00-0	0.011 J		0.011	0.053	1
GC	Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0022 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0014 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	27.0		0.0334	0.400	1
07058	Manganese	7439-96-5	0.690		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0022 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 10:57	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 14:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:57	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 14:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014 00:06	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 20:23	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 23:04	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR-2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:42	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:38	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:38	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:38	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:38	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:38	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:45	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-BR-2-A Groundwater
GW 2014

LL Sample # WW 7684948
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

GBR2A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:12	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:12	Chelsea B Stong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U		2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U		0.5	1	1
10461	Aniline	62-53-3	0.5 U		0.5	1	1
10461	Benzyl alcohol	100-51-6	10 U		10	21	1
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U		2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U		0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U		0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U		3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U		0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U		0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4 U		0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U		0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U		1	5	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U		2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U		0.5	1	1
10461	Diethylphthalate	84-66-2	2 U		2	5	1
10461	Dimethoate	60-51-5	3 U		3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26 U		26	78	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U		0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U		2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U		10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1 U		1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301A-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10461	Phenacetin	62-44-2	0.5 U	ug/l	ug/l	1
10461	Phenol	108-95-2	0.5 U	ug/l	ug/l	1
10461	1,4-Phenylenediamine	106-50-3	78 U	ug/l	ug/l	1
10461	2-Picoline	109-06-8	2 U	ug/l	ug/l	1
10461	Pronamide	23950-58-5	0.5 U	ug/l	ug/l	1
10461	Pyridine	110-86-1	2 U	ug/l	ug/l	1
10461	Safrole	94-59-7	2 U	ug/l	ug/l	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	ug/l	ug/l	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	ug/l	ug/l	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U	ug/l	ug/l	1
10461	Thionazin	297-97-2	2 U	ug/l	ug/l	1
10461	o-Toluidine	95-53-4	0.5 U	ug/l	ug/l	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	ug/l	ug/l	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	ug/l	ug/l	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	ug/l	ug/l	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	ug/l	ug/l	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	ug/l	ug/l	1
The QC limits for 1,4-naphthoquinone are advisory.						
GC/MS Semivolatiles SW-846 8270D SIM						
12971	Acenaphthene	83-32-9	0.010 U	ug/l	ug/l	1
12971	Acenaphthylene	208-96-8	0.010 U	ug/l	ug/l	1
12971	Anthracene	120-12-7	0.010 U	ug/l	ug/l	1
12971	Benzo(a)anthracene	56-55-3	0.010 U	ug/l	ug/l	1
12971	Benzo(a)pyrene	50-32-8	0.010 U	ug/l	ug/l	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U	ug/l	ug/l	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U	ug/l	ug/l	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U	ug/l	ug/l	1
12971	Chrysene	218-01-9	0.010 U	ug/l	ug/l	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U	ug/l	ug/l	1
12971	Fluoranthene	206-44-0	0.010 U	ug/l	ug/l	1
12971	Fluorene	86-73-7	0.010 U	ug/l	ug/l	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U	ug/l	ug/l	1
12971	2-Methylnaphthalene	91-57-6	0.010 U	ug/l	ug/l	1
12971	Naphthalene	91-20-3	0.031 U	ug/l	ug/l	1
12971	Phenanthrene	85-01-8	0.031 U	ug/l	ug/l	1
12971	Pyrene	129-00-0	0.010 U	ug/l	ug/l	1
GC Miscellaneous SW-846 8015C Feb 2007 Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U	mg/l	mg/l	1
12926	Ethylene glycol	107-21-1	8.0 U	mg/l	mg/l	1
12926	Propylene glycol	57-55-6	8.0 U	mg/l	mg/l	1
12926	Triethylene glycol	112-27-6	8.0 U	mg/l	mg/l	1
Metals SW-846 6010C						
07046	Barium	7440-39-3	0.0127 U	mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.00067 U	mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0013 U	mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0010 U	mg/l	mg/l	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	2.15	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0336	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00018 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 11:20	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 14:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 11:20	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 14:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014 00:35	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 20:51	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 23:18	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:53	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:43	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:43	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:43	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:43	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:43	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:47	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301A-A Groundwater
GW 2014

LL Sample # WW 7684950
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
		SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	400 U		400	1,000	10
10335	Acrylonitrile	107-13-1	40 U		40	200	10
Reporting limits were raised due to sample foaming.							

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:34	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:34	Chelsea B Stong	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	Acetophenone	98-86-2	0.5 U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2 U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5 U	0.5	1	1
10461	Aniline	62-53-3	0.5 U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11 U	11	22	1
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5 U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2 U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2 U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5 U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5 U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3 U	3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5 U	0.5	1	1
10461	bis(2-Chloroethyl) ether	111-44-4	0.5 U	0.5	1	1
10461	bis(2-Chloroisopropyl) ether	39638-32-9	0.5 U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	2-Chloronaphthalene	91-58-7	0.4 U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5 U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5 U	0.5	1	1
10461	Diallate trans/cis	2303-16-4	1 U	1	5	1
10461	Dibenzofuran	132-64-9	0.5 U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5 U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5 U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5 U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2 U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5 U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5 U	0.5	1	1
10461	Diethylphthalate	84-66-2	2 U	2	5	1
10461	Dimethoate	60-51-5	3 U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5 U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5 U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27 U	27	81	1
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	16	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	11 U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	16	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	16 U	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	1,4-Naphthoquinone	130-15-4	27 U	27	65	1
10461	1-Naphthylamine	134-32-7	5 U	5	16	1
10461	2-Naphthylamine	91-59-8	5 U	5	16	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11 U	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	22 U	22	65	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Phenacetin	62-44-2	0.5 U		0.5	1	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81 U		81	320	1
10461	2-Picoline	109-06-8	2 U		2	5	1
10461	Pronamide	23950-58-5	0.5 U		0.5	1	1
10461	Pyridine	110-86-1	2 U		2	5	1
10461	Safrole	94-59-7	2 U		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U		0.5	1	1
10461	Tetraethylthiopyrophosphate	3689-24-5	1 U		1	5	1
10461	Thionazin	297-97-2	2 U		2	5	1
10461	o-Toluidine	95-53-4	0.5 U		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U		5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.054	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.054	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.054	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.054	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.065	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.065	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.054	1
GC	Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals	SW-846 6010C	mg/l		mg/l	mg/l		
07046	Barium	7440-39-3	0.0022 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0203		0.0010	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

301B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0907 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0255		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0024 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 11:42	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 14:44	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 11:42	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 14:44	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014 01:04	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 21:18	Holly Berry	1
10466	BNA Water Extraction	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 23:33	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:45	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:45	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:45	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:45	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:45	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:49	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-301B-A Groundwater
GW 2014

LL Sample # WW 7684952
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

301BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
		SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	400 U		400	1,000	10
10335	Acrylonitrile	107-13-1	40 U		40	200	10
Reporting limits were raised due to sample foaming.							

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:55	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:55	Chelsea B Stong	10

*=This limit was used in the evaluation of the final result

Sample Description: TB-112014 Blank Water
GW 2014

LL Sample # WW 7684953
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

TB-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112014 Blank Water
GW 2014

LL Sample # WW 7684953
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

TB-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	C143301AA	11/26/2014 06:25	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 11:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 06:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 11:42	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-112014-A Blank Water
GW 2014

LL Sample # WW 7684954
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/21/2014 10:10

Reported: 12/05/2014 08:13

TB20A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 07:18	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 07:18	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143301AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953								
Acetone	3.0	U	3.0	5.0	ug/l	118	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	122	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	99	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	84	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	97	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	113	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	106	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	103	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	103	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	99	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	92	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	87	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	113	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	95	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	101	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	101	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	122	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	85	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	103	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	97	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	86	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	93	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	100	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	106	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	107	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	93	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	98	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	109	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	101	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	100	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	99		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	100		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	103		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	100		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	98		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	99		80-120		
Batch number: E143312AA Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953									
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	105		70-130		
Batch number: Y143252AA Sample number(s): 7684940,7684946,7684954									
Acrolein	40 U	40.	100	ug/l	91		59-120		
Acrylonitrile	4 U	4.	20	ug/l	75		62-120		
Batch number: Y143261AA Sample number(s): 7684944,7684948,7684950,7684952									
Acrolein	40 U	40.	100	ug/l	92	90	59-120	2	30
Acrylonitrile	4 U	4.	20	ug/l	72	73	62-120	1	30
Batch number: 14328WAF026 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Acetophenone	0.5 U	0.5	1	ug/l	90		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	100		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	67		34-95		
Aniline	0.5 U	0.5	1	ug/l	74		34-97		
Benzyl alcohol	10 U	10.	20	ug/l	89		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	87		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	93		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	94		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	92		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	92		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	79		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	80		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	92		77-115		
bis(2-Chloroethyl)ether	0.5 U	0.5	1	ug/l	89		78-112		
bis(2-Chloroisopropyl)ether	0.5 U	0.5	1	ug/l	88		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	91		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	88		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	93		78-119		
Diallate trans/cis	1 U	1.	5	ug/l	92		80-126		
Dibenzofuran	0.5 U	0.5	1	ug/l	92		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	78		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	71		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	75		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	86		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	91		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	93		83-121		
Diethylphthalate	2 U	2.	5	ug/l	83		70-118		
Dimethoate	3 U	3.	10	ug/l	44		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	84		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	42		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	94		58-120		
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	65		43-128		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	103		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	86		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	96		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	73		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	89		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	91		77-113		
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	104		78-124		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	90		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	57		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	36		18-130		
Hexachloroethane	1 U	1.	5	ug/l	58		55-109		
Hexachloropropene	2 U	2.	5	ug/l	47		47-121		
Isodrin	0.5 U	0.5	1	ug/l	94		83-119		
Isophorone	0.5 U	0.5	1	ug/l	96		81-124		
Isosafrole	2 U	2.	5	ug/l	89		68-150		
Methapyrilene	15 U	15.	50	ug/l	85		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	87		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	91		84-117		
2-Methylphenol	0.5 U	0.5	1	ug/l	89		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	92		56-109		
1,4-Naphthoquinone	25 U	25.	60	ug/l	5*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	58		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	56		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	76		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	83		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	86		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	92		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	77		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	76		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	91		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	78		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	90		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	76		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	92		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	88		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	87		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	89		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	91		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	102		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	86		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	90		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	94		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	89		81-120		
Phenol	0.5 U	0.5	1	ug/l	64		25-80		
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	82		57-110		
Pronamide	0.5 U	0.5	1	ug/l	88		78-125		
Pyridine	2 U	2.	5	ug/l	71		22-96		
Safrole	2 U	2.	5	ug/l	84		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	80		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	97		76-128		
Tetraethyldithiopyrophosphate	1 U	1.	5	ug/l	82		75-114		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Thionazin	2 U	2.	5	ug/l	86		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	71		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	78		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	89		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	43		12-129		
Batch number: 14328WAG026 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Acenaphthene	0.010 U	0.010	0.050	ug/l	116		82-126		
Acenaphthylene	0.010 U	0.010	0.050	ug/l	98		72-124		
Anthracene	0.010 U	0.010	0.050	ug/l	107		83-125		
Benzo(a)anthracene	0.010 U	0.010	0.050	ug/l	114		79-122		
Benzo(a)pyrene	0.010 U	0.010	0.050	ug/l	113		72-126		
Benzo(b)fluoranthene	0.010 U	0.010	0.050	ug/l	117		79-136		
Benzo(g,h,i)perylene	0.010 U	0.010	0.050	ug/l	118		59-137		
Benzo(k)fluoranthene	0.010 U	0.010	0.050	ug/l	113		72-129		
Chrysene	0.010 U	0.010	0.050	ug/l	115		77-122		
Dibenz(a,h)anthracene	0.010 U	0.010	0.050	ug/l	117		42-143		
Fluoranthene	0.010 U	0.010	0.050	ug/l	107		76-121		
Fluorene	0.010 U	0.010	0.050	ug/l	108		82-119		
Indeno(1,2,3-cd)pyrene	0.010 U	0.010	0.050	ug/l	89		53-136		
2-Methylnaphthalene	0.010 U	0.010	0.050	ug/l	96		68-124		
Naphthalene	0.030 U	0.030	0.060	ug/l	99		78-117		
Phenanthrene	0.030 U	0.030	0.060	ug/l	105		83-116		
Pyrene	0.010 U	0.010	0.050	ug/l	109		70-124		
Batch number: 143290030A Sample number(s): 7684939,7684941-7684943,7684945,7684947,7684949,7684951									
Diethylene glycol	8.0 U	8.0	10	mg/l	77		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	80		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	76		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	77		46-118		
Batch number: 143295713004 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Mercury	0.000060 U	0.00006	0.00020	mg/l	96		80-120		
Batch number: 143300636001 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Barium	0.00033 U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	98		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	98		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	101		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	103		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	104		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143300639001A Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Antimony	0.00033 U	0.00033	0.0020	mg/l	89		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	97		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	95		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Lead	0.000082	0.00008	0.0020	mg/l	103		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	104		80-120		

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143301AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953 UNSPK: P686518								
Acetone	115	122	57-163	6	30				
Acetonitrile	124	120	77-129	3	30				
Allyl Chloride	104	109	61-120	5	30				
Benzene	101	102	87-126	0	30				
Bromochloromethane	103	105	82-125	1	30				
Bromodichloromethane	97	98	82-133	0	30				
Bromoform	80	83	60-138	4	30				
Bromomethane	97	100	66-130	3	30				
2-Butanone	111	120	56-160	8	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	109	106	81-148	2	30				
2-Chloro-1,3-butadiene	105	104	78-128	1	30				
Chlorobenzene	102	104	78-133	2	30				
Chloroethane	95	101	70-139	6	30				
Chloroform	104	103	86-136	1	30				
Chloromethane	91	97	49-135	6	30				
1,2-Dibromo-3-chloropropane	114	118	53-163	3	30				
Dibromochloromethane	93	95	79-125	2	30				
1,2-Dibromoethane	101	103	84-127	2	30				
Dibromomethane	101	102	83-126	1	30				
trans-1,4-Dichloro-2-butene	103	105	11-172	2	30				
Dichlorodifluoromethane	91	93	28-136	2	30				
1,1-Dichloroethane	99	99	81-126	0	30				
1,2-Dichloroethane	103	104	82-135	0	30				
1,1-Dichloroethene	89 (2)	68 (2)	86-132	4	30				
cis-1,2-Dichloroethene	101	100	82-129	0	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	98	100	91-126	2	30				
cis-1,3-Dichloropropene	90	92	74-132	3	30				
trans-1,3-Dichloropropene	91	95	71-128	3	30				
Ethyl Methacrylate	88	92	73-134	4	30				
Ethylbenzene	103	104	80-140	1	30				
2-Hexanone	100	108	51-149	7	30				
Isobutyl Alcohol	103	108	65-146	5	30				
Methacrylonitrile	115	122	58-155	6	30				
Methyl Iodide	107	107	71-137	0	30				
Methyl Methacrylate	106	113	48-152	7	30				
4-Methyl-2-pentanone	94	99	69-149	5	30				
Methylene Chloride	99	98	77-135	1	30				
Pentachloroethane	99	103	68-145	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Propionitrile	110	117	63-147	6	30				
Styrene	99	103	71-138	4	30				
1,1,1,2-Tetrachloroethane	100	102	87-126	2	30				
1,1,2,2-Tetrachloroethane	97	100	75-131	3	30				
Tetrachloroethene	103	103	75-129	0	30				
Toluene	101	103	83-127	1	30				
1,1,1-Trichloroethane	104	102	85-140	1	30				
1,1,2-Trichloroethane	101	103	85-129	2	30				
Trichloroethene	108	105	85-131	2	30				
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
1,2,3-Trichloropropane	101	107	76-120	6	30				
Vinyl Acetate	94	94	27-162	1	30				
Xylene (Total)	101	103	81-137	1	30				
Batch number: E143312AA Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953 UNSPK: P686518									
Vinyl Chloride	102	107	70-130	3	30				
Batch number: Y143252AA Sample number(s): 7684940,7684946,7684954 UNSPK: P674066									
Acrolein	100	101	39-136	1	30				
Acrylonitrile	60	61	51-125	2	30				
Batch number: Y143261AA Sample number(s): 7684944,7684948,7684950,7684952 BKG: 7684952									
Acrolein						400	U 400	U 0 (1)	30
Acrylonitrile						40	U 40	U 0 (1)	30
Batch number: 14328WAF026 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197									
Acetophenone	92	95	77-114	3	30				
2-Acetylaminofluorene	103	103	79-137	1	30				
4-Aminobiphenyl	68	72	10-91	5	30				
Aniline	68	74	22-103	9	30				
Benzyl alcohol	87	91	62-101	4	30				
1,1'-Biphenyl	91	94	73-114	3	30				
4-Bromophenyl-phenylether	97	100	76-124	3	30				
Butylbenzylphthalate	94	95	76-124	1	30				
Di-n-butylphthalate	94	95	79-118	0	30				
4-Chloro-3-methylphenol	93	94	19-155	1	30				
4-Chloroaniline	74	81	34-122	8	30				
Chlorobenzilate	89	87	63-146	3	30				
bis(2-Chloroethoxy)methane	92	97	73-115	5	30				
bis(2-Chloroethyl)ether	91	93	77-113	2	30				
bis(2-Chloroisopropyl)ether	90	93	61-116	3	30				
2-Chloronaphthalene	92	95	64-134	3	30				
2-Chlorophenol	91	93	27-146	2	30				
4-Chlorophenyl-phenylether	95	98	73-117	3	30				
Diallate trans/cis	103	104	75-130	1	30				
Dibenzofuran	94	96	71-116	2	30				
1,2-Dichlorobenzene	86	90	76-107	4	30				
1,3-Dichlorobenzene	82	85	68-107	4	30				
1,4-Dichlorobenzene	85	88	59-115	4	30				
3,3'-Dichlorobenzidine	82	84	16-128	2	30				
2,4-Dichlorophenol	93	94	31-147	0	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2,6-Dichlorophenol	96	97	75-116	1	30				
Diethylphthalate	85	87	69-118	1	30				
Dimethoate	46	40	10-112	14	30				
p-Dimethylaminoazobenzene	98	98	82-132	1	30				
3,3'-Dimethylbenzidine	37	39	25-83	6	30				
7,12-Dimethylbenz[a]anthracene	98	99	58-124	1	30				
2,4-Dimethylphenol	87	88	40-133	2	30				
Dimethylphthalate	65	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	100	100	36-151	0	30				
1,3-Dinitrobenzene	94	96	82-122	2	30				
2,4-Dinitrophenol	57	64	20-168	11	30				
2,4-Dinitrotoluene	98	101	72-133	2	30				
2,6-Dinitrotoluene	98	101	79-127	2	30				
1,4-Dioxane	70	72	48-83	3	30				
Diphenyl ether	90	97	81-105	3	30				
Ethyl methanesulfonate	94	95	81-112	1	30				
bis(2-Ethylhexyl)phthalate	103	106	73-129	2	30				
Hexachlorobenzene	92	95	72-124	3	30				
Hexachlorobutadiene	77	80	53-126	3	30				
Hexachlorocyclopentadiene	68	72	26-142	5	30				
Hexachloroethane	75	78	50-119	3	30				
Hexachloropropene	85	84	67-132	2	30				
Isodrin	103	103	67-136	1	30				
Isophorone	99	101	67-139	2	30				
Isosafrole	98	99	74-104	0	30				
Methapyrilene	109	129	70-130	17	30				
Methyl methanesulfonate	88	89	37-93	1	30				
3-Methylcholanthrene	100	101	80-117	1	30				
2-Methylphenol	90	92	26-135	2	30				
4-Methylphenol	90	92	13-128	2	30				
1,4-Naphthoquinone	15*	0*	70-130	200*	30				
1-Naphthylamine	52	59	10-110	12	30				
2-Naphthylamine	54	63	10-101	15	30				
5-Nitro-o-toluidine	76	83	34-112	9	30				
2-Nitroaniline	98	103	76-132	5	30				
3-Nitroaniline	80	86	49-124	6	30				
4-Nitroaniline	86	90	43-126	3	30				
Nitrobenzene	93	95	69-127	2	30				
2-Nitrophenol	96	98	53-147	1	30				
4-Nitrophenol	71	73	10-116	1	30				
4-Nitroquinoline-1-oxide	80	79	50-120	2	30				
N-Nitroso-di-n-propylamine	92	95	70-123	2	30				
N-Nitrosodi-n-butylamine	85	88	65-111	2	30				
N-Nitrosodiethylamine	94	97	80-102	2	30				
N-Nitrosodimethylamine	74	76	37-80	2	30				
N-Nitrosodiphenylamine	94	95	75-124	1	30				
N-Nitrosomethylethylamine	92	91	72-115	1	30				
N-Nitrosomorpholine	88	90	71-115	2	30				
N-Nitrosopiperidine	95	95	84-117	0	30				
N-Nitrosopyrrolidine	94	95	72-120	1	30				
Di-n-octylphthalate	106	110	71-137	3	30				
Pentachlorobenzene	95	96	82-119	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Pentachloronitrobenzene	95	97	82-116	1	30				
Pentachlorophenol	71	68	23-133	6	30				
Phenacetin	95	96	67-141	1	30				
Phenol	60	62	10-107	2	30				
2-Picoline	81	87	44-96	7	30				
Pronamide	93	96	82-131	3	30				
Pyridine	66	73	12-94	9	30				
Safrole	92	94	86-107	2	30				
1,2,4,5-Tetrachlorobenzene	87	90	79-114	3	30				
2,3,4,6-Tetrachlorophenol	98	99	56-131	1	30				
Tetraethyldithiopyrophosphate	94	95	77-120	0	30				
Thionazin	97	99	72-117	2	30				
o-Toluidine	60	67	10-106	11	30				
1,2,4-Trichlorobenzene	88	92	68-119	4	30				
2,4,5-Trichlorophenol	91	93	37-148	2	30				
2,4,6-Trichlorophenol	94	96	19-162	1	30				
O,O,O-Triethylphosphorothioate	97	99	75-128	2	30				
1,3,5-Trinitrobenzene	51	47	35-129	9	30				
Batch number: 14328WAG026 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197									
Acenaphthene	116	121	69-134	8	30				
Acenaphthylene	98	99	66-132	5	30				
Anthracene	106	108	64-129	6	30				
Benzo(a)anthracene	114	115	37-135	6	30				
Benzo(a)pyrene	103	99	32-137	1	30				
Benzo(b)fluoranthene	116	114	41-137	2	30				
Benzo(g,h,i)perylene	97	91	21-127	1	30				
Benzo(k)fluoranthene	111	112	36-139	5	30				
Chrysene	114	115	51-129	5	30				
Dibenz(a,h)anthracene	115	109	17-134	1	30				
Fluoranthene	99	106	53-133	11	30				
Fluorene	110	110	59-137	5	30				
Indeno(1,2,3-cd)pyrene	111	105	26-130	1	30				
2-Methylnaphthalene	97	100	64-129	7	30				
Naphthalene	99	101	58-131	6	30				
Phenanthrene	106	102	66-126	1	30				
Pyrene	104	109	49-136	9	30				
Batch number: 143290030A Sample number(s): 7684939,7684941-7684943,7684945,7684947,7684949,7684951 UNSPK: 7684941									
Diethylene glycol	86	95	52-122	10	20				
Ethylene glycol	90	98	54-123	8	20				
Propylene glycol	86	92	55-131	7	20				
Triethylene glycol	84	95	33-123	12	20				
Batch number: 143295713004 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197 BKG: P683197									
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001 Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197 BKG: P683197									
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20

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Group Number: 1520484

Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20

Batch number: 143300639001A

Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197
BKG: P683197

Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX +Bromochloromethane
Batch number: C143301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684939	103	102	98	96
7684941	102	100	97	97
7684945	103	103	97	96
7684947	102	100	97	97
7684949	104	102	98	97
7684951	104	101	98	96
7684953	101	102	98	96
Blank	102	99	98	97
LCS	102	101	99	100
MS	102	99	99	100
MSD	101	100	99	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143312AA

	Dibromofluoromethane
7684939	103
7684941	102
7684945	103
7684947	104

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Surrogate Quality Control

7684949 103
7684951 103
7684953 103
Blank 105
LCS 103
MS 102
MSD 103

Limits: 80-120

Analysis Name: Acrolein, Acrylonitrile

Batch number: Y143252AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684940	109	105	96	90
7684946	111	103	95	89
7684954	112	104	95	88
Blank	106	103	96	91
LCS	104	104	99	99
MS	106	105	98	100
MSD	105	105	99	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Acrolein, Acrylonitrile

Batch number: Y143261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684944	107	102	96	93
7684948	109	104	96	90
7684950	110	105	97	91
7684952	110	102	95	89
Blank	108	104	96	91
DUP	111	107	95	89
LCS	106	101	98	100
LCSD	105	102	98	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)

Batch number: 14328WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7684939	43	62	82	81	79	94
7684941	43	62	81	77	77	92
7684945	39	57	79	77	77	92
7684947	5*	6*	38	80	81	95
7684949	36	53	70	69	69	81
7684951	49	69	92	89	91	102
Blank	55	76	100	97	96	113
LCS	58	76	95	89	87	98
MS	55	73	96	91	88	86
MSD	56	75	97	92	89	95
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds

Batch number: 14328WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7684939	106	114	99
7684941	108	114	102

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/05/14 at 08:13 AM

Group Number: 1520484

Surrogate Quality Control

7684945	115	118	103
7684947	111	114	99
7684949	121	124	111
7684951	96	99	91
Blank	96	104	89
LCS	103	117	105
MS	98	106	101
MSD	105	105	106
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143290030A
Tetramethylene glycol

7684939	71
7684941	87
7684942	84
7684943	89
7684945	66
7684947	79
7684949	84
7684951	81
Blank	67
LCS	72
MS	84
MSD	89
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: Dupont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>11/21/2014 10:10</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4-HCL 2 unpres

Unpacked by Brandy Barclay (2299) at 11:08 on 11/21/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.3	DT	Wet	Y	Loose	N
2	DT146	1.7	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 19, 2014

Project: BRE - GW

Submittal Date: 11/19/2014

Group Number: 1519941

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-GW-MW-104B Groundwater
SSP14-GW-MW-104B-A Groundwater
SSP14-GW-MW-105 Groundwater
SSP14-GW-MW-105-A Groundwater
SSP14-GW-MW-211A Groundwater
SSP14-GW-MW-211A-A Groundwater
SSP14-GW-MW-211B Groundwater
SSP14-GW-MW-211B-A Groundwater
TB-111814-01 Blank Water
TB-111814-01-A Blank Water
TB-111814-02 Blank Water
TB-111814-02-A Blank Water

Lancaster Labs (LL)

7682368
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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-104B Groundwater
GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B104B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.6	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.2	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-104B Groundwater
GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B104B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	1.6		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0017 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.191 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0889		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-104B Groundwater
GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B104B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 19:29	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 11:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 11:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 19:29	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14326WAB026	11/25/2014 01:09	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14326WAB026	11/24/2014 08:10	Katheryne V Sponheimer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:21	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-104B-A Groundwater
GW 2014

LL Sample # WW 7682369
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

A104B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 02:26	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 02:26	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-105 Groundwater
GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

B105-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-105 Groundwater
GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B105-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0083 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.115 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0530 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-105 Groundwater
GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B105-

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 19:50	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 11:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 11:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 19:50	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14326WAB026	11/25/2014 01:38	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14326WAB026	11/24/2014 08:10	Katheryne V Sponheimer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 22:19	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:54	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:17	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:17	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:17	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:17	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:17	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:23	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-105-A Groundwater
GW 2014

LL Sample # WW 7682371
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

A105-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 03:30	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 03:30	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211A Groundwater
GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B211A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.8	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	4.7	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.2 J	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.8	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	1.6	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211A Groundwater
GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B211A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
	SW-846 8260B 25mL		ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	6.8		0.1	0.5	1
GC/MS Volatiles							
	SW-846 8260B SIM		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.33		0.010	0.050	1
Metals							
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0260		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0014 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	2.84		0.0334	0.400	1
07058	Manganese	7439-96-5	1.40		0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00099 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00078 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00019 J		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
	EPA 300.0		mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U		0.25	0.50	5
	SM 4500-NH3 B/C modified-1997		mg/l		mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U		0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211A Groundwater
GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B211A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143281AA	11/24/2014 14:38	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 12:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 12:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014 14:38	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:24	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:25	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324347901C	11/20/2014 09:56	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211A-A Groundwater
GW 2014

LL Sample # WW 7682373
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

A211A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 03:51	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 03:51	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211B Groundwater
GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B211B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.4 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3 J	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	9.0 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211B Groundwater
GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

B211B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
	SW-846 8260B 25mL		ug/l		ug/l	ug/l	
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
	SW-846 8260B SIM		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.041 J		0.010	0.050	1
Metals							
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0913		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0016 J		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0017 J		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	8.24		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0027 J		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00032 J		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00015 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00018 J		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
	EPA 300.0		mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	1.2		0.25	0.50	5
	SM 4500-NH3 B/C modified-1997		mg/l		mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U		0.20	0.60	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211B Groundwater
GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

B211B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 20:12	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 12:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 12:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 20:12	Jason M Long	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:28	Elaine F Stoltzfus	10
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:27	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324347901C	11/20/2014 07:50	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-GW-MW-211B-A Groundwater
GW 2014

LL Sample # WW 7682375
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

A211B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:12	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:12	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-01 Blank Water
GW 2014

LL Sample # WW 7682376
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

BT181

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-01 Blank Water
GW 2014

LL Sample # WW 7682376
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

BT181

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 18:46	Jason M Long	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 18:46	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-01-A Blank Water
GW 2014

LL Sample # WW 7682377
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

AT181

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:33	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:33	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-02 Blank Water
GW 2014

LL Sample # WW 7682378
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

BT182

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-02 Blank Water
GW 2014

LL Sample # WW 7682378
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

BT182

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL	1	I143261AA	11/22/2014 19:08	Jason M Long	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 19:08	Jason M Long	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111814-02-A Blank Water
GW 2014

LL Sample # WW 7682379
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/19/2014 18:45

Reported: 12/19/2014 08:48

AT182

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:55	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:55	Stephanie A Selis	1

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: E143241AA	Sample number(s): 7682368,7682370,7682372,7682374,7682376,7682378								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	110	110	70-130	0	30
Batch number: I143261AA	Sample number(s): 7682368,7682370,7682374,7682376,7682378								
Acetone	3.0 U	3.0	5.0	ug/l	108		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	85		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	94		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	82		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	94		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	106		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	95		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	99		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	97		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	92		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	89		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	104		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	83		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	110		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	100		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	103		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	100		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	101		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	106		72-124		
Isobutyl Alcohol	10 U	10.	25	ug/l	108		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	102		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	93		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	110		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	101		75-126		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propionitrile	2.0 U	2.0	10	ug/l	116		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	100		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	106		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	112		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	102		80-120		
Batch number: I143281AA Sample number(s): 7682372									
Acetone	3.0 U	3.0	5.0	ug/l	122		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	105	106	50-145	1	30
Allyl Chloride	0.1 U	0.1	0.5	ug/l	95		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	103		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	79		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	93		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	116		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	97		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	102		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	99		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	91		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	103		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	98		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	106		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	104		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	105		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	96		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	103		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	114		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	113		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	100		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	106		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	106		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	99		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	125		67-143		

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	98		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	101		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	106		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	103		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	111	107	38-145	3	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	101		80-120		

Batch number: Y143242AA Sample number(s): 7682369,7682371,7682373,7682375,7682377,7682379
Acrolein 40 U 40. 100 ug/l 81 59-120
Acrylonitrile 4 U 4. 20 ug/l 74 62-120

Batch number: 14326WAB026 Sample number(s): 7682368,7682370
1,1'-Biphenyl 0.5 U 0.5 1 ug/l 93 93 56-134 0 30
Diphenyl ether 0.5 U 0.5 1 ug/l 95 94 77-113 0 30

Batch number: 143290030A Sample number(s): 7682370
Diethylene glycol 8.0 U 8.0 10 mg/l 77 55-122
Ethylene glycol 8.0 U 8.0 10 mg/l 80 54-129
Propylene glycol 8.0 U 8.0 10 mg/l 76 57-137
Triethylene glycol 8.0 U 8.0 10 mg/l 77 46-118

Batch number: 143295713004 Sample number(s): 7682368,7682370,7682372,7682374
Mercury 0.000060 U 0.00006 0.00020 mg/l 96 80-120

Batch number: 143300636001 Sample number(s): 7682368,7682370,7682372,7682374
Barium 0.00033 U 0.00033 0.0100 mg/l 101 80-120
Beryllium 0.00067 U 0.00067 0.0100 mg/l 101 80-120
Chromium 0.0013 U 0.0013 0.0300 mg/l 98 80-120
Cobalt 0.0010 U 0.0010 0.0100 mg/l 101 80-120
Copper 0.0028 U 0.0028 0.0200 mg/l 102 80-120
Iron 0.0334 U 0.0334 0.400 mg/l 98 80-120
Manganese 0.00083 U 0.00083 0.0100 mg/l 101 80-120
Nickel 0.0016 U 0.0016 0.0200 mg/l 103 80-120
Selenium 0.0048 U 0.0048 0.0400 mg/l 100 80-120
Silver 0.0018 U 0.0018 0.0100 mg/l 104 80-120
Tin 0.0024 U 0.0024 0.0400 mg/l 98 80-120
Vanadium 0.0019 U 0.0019 0.0100 mg/l 99 80-120
Zinc 0.0020 U 0.0020 0.0400 mg/l 101 80-120

Batch number: 143300639001A Sample number(s): 7682368,7682370,7682372,7682374
Antimony 0.00033 U 0.00033 0.0020 mg/l 89 80-120
Arsenic 0.00082 U 0.00082 0.0040 mg/l 97 80-120
Cadmium 0.00017 U 0.00017 0.0010 mg/l 95 80-120
Lead 0.000082 U 0.00008 0.0020 mg/l 103 80-120
Thallium 0.00015 U 0.00015 0.0010 mg/l 104 80-120

Batch number: 14324347901C Sample number(s): 7682372,7682374
Nitrate Nitrogen 0.050 U 0.050 0.10 mg/l 106 90-110

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14326022101A	Sample number(s): 7682372,7682374								
Ammonia Nitrogen	0.20 U	0.20	0.60	mg/l	92		85-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: I143261AA	Sample number(s): 7682368,7682370,7682374,7682376,7682378 UNSPK: P677159								
Acetone	111	101	57-163	9	30				
Acetonitrile	130*	118	77-129	10	30				
Allyl Chloride	103	103	61-120	0	30				
Benzene	110	108	87-126	2	30				
Bromochloromethane	105	106	82-125	1	30				
Bromodichloromethane	101	101	82-133	0	30				
Bromoform	84	83	60-138	2	30				
Bromomethane	101	102	66-130	0	30				
2-Butanone	107	97	56-160	9	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	111	110	81-148	1	30				
2-Chloro-1,3-butadiene	109	109	78-128	1	30				
Chlorobenzene	110	108	78-133	1	30				
Chloroethane	103	104	70-139	1	30				
Chloroform	110	108	86-136	2	30				
Chloromethane	113	112	49-135	1	30				
1,2-Dibromo-3-chloropropane	93	86	53-163	8	30				
Dibromochloromethane	101	99	79-125	2	30				
1,2-Dibromoethane	111	108	84-127	3	30				
Dibromomethane	108	106	83-126	1	30				
trans-1,4-Dichloro-2-butene	76	69	11-172	10	30				
Dichlorodifluoromethane	127	127	28-136	0	30				
1,1-Dichloroethane	109	107	81-126	2	30				
1,2-Dichloroethane	110	109	82-135	1	30				
1,1-Dichloroethene	117	116	86-132	1	30				
cis-1,2-Dichloroethene	112	110	82-129	1	30				
trans-1,2-Dichloroethene	114	113	88-127	1	30				
1,2-Dichloropropane	110	110	91-126	0	30				
cis-1,3-Dichloropropene	99	98	74-132	1	30				
trans-1,3-Dichloropropene	98	96	71-128	2	30				
Ethyl Methacrylate	104	104	73-134	0	30				
Ethylbenzene	112	110	80-140	1	30				
2-Hexanone	110	108	51-149	1	30				
Isobutyl Alcohol	111	106	65-146	5	30				
Methacrylonitrile	103	94	58-155	8	30				
Methyl Iodide	109	108	71-137	0	30				
Methyl Methacrylate	95	87	48-152	9	30				
4-Methyl-2-pentanone	113	111	69-149	1	30				
Methylene Chloride	111	110	77-135	1	30				
Pentachloroethane	105	105	68-145	0	30				
Propionitrile	116	107	63-147	8	30				

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Styrene	112	110	71-138	2	30				
1,1,1,2-Tetrachloroethane	109	106	87-126	3	30				
1,1,2,2-Tetrachloroethane	106	104	75-131	2	30				
Tetrachloroethene	109	109	75-129	0	30				
Toluene	111	109	83-127	2	30				
1,1,1-Trichloroethane	110	109	85-140	1	30				
1,1,2-Trichloroethane	109	108	85-129	1	30				
Trichloroethene	114	113	85-131	1	30				
Trichlorofluoromethane	126	121	73-139	4	30				
1,2,3-Trichloropropane	110	107	76-120	3	30				
Vinyl Acetate	112	111	27-162	1	30				
Xylene (Total)	111	109	81-137	2	30				

Batch number: I143281AA	Sample number(s): 7682372	UNSPK: P684185			
Acetone	120	101	57-163	14	30
Allyl Chloride	99	102	61-120	2	30
Benzene	109	106	87-126	3	30
Bromochloromethane	105	107	82-125	1	30
Bromodichloromethane	102	95	82-133	8	30
Bromoform	82	76	60-138	8	30
Bromomethane	102	100	66-130	2	30
2-Butanone	115	100	56-160	14	30
Carbon Disulfide	103	99	84-141	3	30
Carbon Tetrachloride	111	107	81-148	4	30
2-Chloro-1,3-butadiene	106	104	78-128	2	30
Chlorobenzene	111	104	78-133	7	30
Chloroethane	101	99	70-139	3	30
Chloroform	112	107	86-136	5	30
Chloromethane	109	107	49-135	2	30
1,2-Dibromo-3-chloropropane	94	83	53-163	12	30
Dibromochloromethane	101	93	79-125	9	30
1,2-Dibromoethane	112	104	84-127	8	30
Dibromomethane	111	102	83-126	8	30
trans-1,4-Dichloro-2-butene	93	79	11-172	16	30
Dichlorodifluoromethane	117	116	28-136	1	30
1,1-Dichloroethane	108	104	81-126	3	30
1,2-Dichloroethane	112	107	82-135	4	30
1,1-Dichloroethene	113	110	86-132	2	30
cis-1,2-Dichloroethene	109	105	82-129	4	30
trans-1,2-Dichloroethene	114	111	88-127	2	30
1,2-Dichloropropane	112	106	91-126	6	30
cis-1,3-Dichloropropene	100	95	74-132	6	30
trans-1,3-Dichloropropene	99	92	71-128	7	30
Ethyl Methacrylate	104	99	73-134	6	30
Ethylbenzene	112	105	80-140	6	30
2-Hexanone	113	106	51-149	6	30
Isobutyl Alcohol	126	109	65-146	15	30
Methacrylonitrile	108	94	58-155	14	30
Methyl Iodide	105	104	71-137	0	30
Methyl Methacrylate	99	85	48-152	15	30
4-Methyl-2-pentanone	116	109	69-149	6	30
Methylene Chloride	110	106	77-135	3	30

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
Pentachloroethane	108	104	68-145	4	30				
Propionitrile	125	110	63-147	13	30				
Styrene	112	105	71-138	6	30				
1,1,1,2-Tetrachloroethane	109	101	87-126	8	30				
1,1,2,2-Tetrachloroethane	108	101	75-131	7	30				
Tetrachloroethene	111	106	75-129	4	30				
Toluene	111	104	83-127	6	30				
1,1,1-Trichloroethane	110	107	85-140	2	30				
1,1,2-Trichloroethane	113	103	85-129	8	30				
Trichloroethene	114	109	85-131	4	30				
Trichlorofluoromethane	123	119	73-139	3	30				
1,2,3-Trichloropropane	112	104	76-120	8	30				
Xylene (Total)	111	105	81-137	6	30				
Batch number: Y143242AA	Sample number(s): 7682369,7682371,7682373,7682375,7682377,7682379 UNSPK: 7682369								
Acrolein	80	81	39-136	1	30				
Acrylonitrile	70	72	51-125	2	30				
Batch number: 143290030A	Sample number(s): 7682370 UNSPK: P684941								
Diethylene glycol	86	95	52-122	10	20				
Ethylene glycol	90	98	54-123	8	20				
Propylene glycol	86	92	55-131	7	20				
Triethylene glycol	84	95	33-123	12	20				
Batch number: 143295713004	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143300639001A	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 14324347901C	Sample number(s): 7682372,7682374 UNSPK: 7682372 BKG: 7682372								
Nitrate Nitrogen	121*		90-110			0.25 U	0.25 U	0 (1)	20

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14326022101A	Sample number(s): 7682372, 7682374 UNSPK: P677159 BKG: P677159								
Ammonia Nitrogen	93	100	80-112	1	8	33.2	33.5	1	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Vinyl Chloride
Batch number: E143241AA

Dibromofluoromethane	
7682368	101
7682370	104
7682372	101
7682374	100
7682376	101
7682378	101
Blank	102
LCS	100
LCSD	100
Limits:	80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682368	101	103	100	95
7682370	101	103	99	95
7682374	101	103	100	95
7682376	101	104	99	95
7682378	100	101	99	95
Blank	99	103	99	96
LCS	100	101	99	98
MS	100	102	100	99
MSD	101	105	99	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: I143281AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682372	101	104	99	101
Blank	100	107	99	96
LCS	100	104	100	99
LCSD	99	105	100	98
MS	99	102	100	98
MSD	100	104	100	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 12/19/14 at 08:48 AM

Group Number: 1519941

Surrogate Quality Control

Batch number: Y143242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682369	107	103	96	91
7682371	106	103	97	93
7682373	107	103	96	96
7682375	107	103	97	92
7682377	108	103	97	90
7682379	108	105	96	91
Blank	106	105	96	92
LCS	106	103	98	99
MS	106	100	98	99
MSD	104	103	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14326WAB026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7682368	93	91	91
7682370	89	88	100
Blank	97	96	114
LCS	95	90	101
LCSD	94	91	103
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143290030A

	Tetramethylene glycol
7682370	65
Blank	67
LCS	72
MS	84
MSD	89
Limits:	54-136

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1 of 1

For Lancaster Laboratories Use Only

Group No.: 1519941 Sample Nos.: 7682368-79
 Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: 24364 **30598**
 Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		<table border="1"> <tr> <th colspan="10">Analyses Required</th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>										Analyses Required																				Comments:																																																																	
Analyses Required																																																																																																			
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																																																																																																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504646		<table border="1"> <tr> <td>Biphenyl & Diphenyl Ether (8270D)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Glycols (8015C)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>APIIX Metals+Fe,Mn (6010/6020/7470A)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>										Biphenyl & Diphenyl Ether (8270D)																					Glycols (8015C)																					APIIX Metals+Fe,Mn (6010/6020/7470A)																																										<p style="text-align: center;">GW</p> <p>Condition upon receipt: <u>Intact</u></p>	
Biphenyl & Diphenyl Ether (8270D)																																																																																																			
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1300 Staton Road		Release No.:																																																																																																	
Cedar Mountain NC 28718		PO Number: LBIO-67047																																																																																																	
Sampler(s): <u>K. Teague, W. Parker</u>																																																																																																			
Project Name: <u>GW 2014</u>																																																																																																			
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Biphenyl & Diphenyl Ether (8270D)	Glycols (8015C)	APIIX Metals+Fe,Mn (6010/6020/7470A)																																																																																										
				Volume (ml)	Preserv	No.																																																																																													
SSP14-GW-MW-104B	<u>11/18/14</u>	<u>948</u>	WW	250	HNO3	1			X																																																																																										
SSP14-GW-MW-104B	<u>11/18/14</u>	<u>948</u>	WW	250	None	2	X																																																																																												
SSP14-GW-MW-105	<u>11/18/14</u>	<u>1155</u>	WW	250	HNO3	1			X																																																																																										
SSP14-GW-MW-105	<u>↓</u>	<u>1155</u>	WW	250	None	2	X																																																																																												
SSP14-GW-MW-105	<u>↓</u>	<u>1155</u>	WW	40	None	2		X																																																																																											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																																																																																															
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>11/18/14</u>	Time: <u>1800</u>	Bottles Received by: <u>[Signature]</u>										Date:	Time:																																																																																				
Bottles Relinquished by:		Date:	Time:	Bottles Received by:										Date:	Time:																																																																																				
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Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>										Date: <u>11/19/14</u>	Time: <u>1845</u>																																																																																				

Client: DuPont

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 11/19/2014 18:45
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	9
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Trip Blank Type(s): 6-HCl, 3-unpreserved

Unpacked by Patrick Engle (3472) at 19:08 on 11/19/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT121	0.6	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details

<u>Sample ID on COC</u>	<u>Container Qty. Received</u>	<u>Container Qty. on COC</u>	<u>Comments</u>
TB-111814-02	2	4	
TB-111814-02-A	1	2	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns $>25\%$
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is $<$ CRDL, but \geq IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

**ADQM DATA REVIEW
NARRATIVE**

Site **BRE: BREVARD**

Project **SED SW PW 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date **October 21-23, 2014 and October 28-30, 2014**

Analytical Protocol

<u>Laboratory</u>	<u>Analytical Method</u>	<u>Parameter(s)</u>
Eurofins Lancaster	SW846 8260B (25 mL purge)	Apx IX VOCs
Eurofins Lancaster	SW846 8260B	Acrolein & Acrylonitrile
Eurofins Lancaster	SW846 8260B SIM	Vinyl Chloride
Eurofins Lancaster	SW846 6010C/6020A/7470A	APX IX Metals + Iron and Manganese
Eurofins Lancaster	SW846 8270D	Diphenyl Ether + Biphenyl + 1,4-Dioxane
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	SM 2340 B-1997	Total Hardness
Eurofins Lancaster	EPA 160.2	Total Suspended Solids
Eurofins Lancaster	EPA 300.0	Ntrate/Nitrite
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	SW846 8270D	Apx IX SVOCs +1,4-Dioxane
Eurofins Lancaster	821-R-91-100	Acid Volatile Sulfides
Eurofins Lancaster	SW846 6010C	SEM Metals: Cd, Cu, Ni, Zn and Ag
Eurofins Lancaster	SW846 6020A	SEM Metal: Pb
Eurofins Lancaster	SW846 7471B	SEM Metal: Hg
Eurofins Lancaster	SW 846 9060A mod	Total Organic Carbon
Eurofins Lancaster	ASTM D422	Grain Size
Eurofins Lancaster	SM 2540 G-1997	Moisture

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on October 23, 24, 25, 29, 30 and 31, 2014. The cooler temperatures were as follows: 0.2, 0.5, 0.4, 1.2, 0.4, 1.1, 1.9, 1.5, 1.2, 2.3, 1.1, 1.0, 0.5, 3.0, 0.5, 0.9, 0.2, 0.2, 0.4, 0.6, 0.4, 0.4 and 0.3 degrees C. The ADQM chemist doesn't believe the data to be impacted since the samples were cold but not frozen upon receipt.
- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:
 - One of the SSP-SW-33 vials was received empty on 10/24/14.

- PPS14-SW-04 was listed on the COC/SSP14-SW-04 was listed on the bottle label 10/24/14.
- PPS14-SW-04-A was listed on the COC/SSP14-SW-04-A was listed on the bottle label 10/24/14.
- PPS14-SW-26 was listed on the COC/SSP14-SW-26 was listed on the bottle label 10/24/14.
- PPS14-SW-26-A was listed on the COC/SSP14-SW-26-A was listed on the bottle label 10/24/14.
- SSP14-SW-07 and SSP14-SW-27 Glycol vials were received empty 10/31/14.
- One SSP14-SED-05 Voa vial was not salvageable/soil vials were not in the foam holder 10/31/14.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of one 8270D, 1,4-Naphthoquinone non-detect result flagged $\delta R\delta$, rejected, unusable, due to low Relative Percent Recovery, RPR, within the LCS/LCSD and 6010C metals results flagged $\delta B\delta$, due to equipment or method blank contamination. Several 8015C, Glycols, 7471B, Mercury, 6010C, Silver, 8270D, Methapyrilene non-detect results were flagged $\delta UJ\delta$, due to low surrogate recovery or low RPR within the MS/MSD/LCS/LCSD. Several results were flagged $\delta J\delta$, estimated, due to high RPR within the MS/MSD, low RPR within the MS/MSD/LCS/LCSD, the quality review criteria between the field duplicate and the parent sample were exceeded, the quality review criteria between the REP (laboratory replicate) and the parent sample were exceeded, dissolved metals greater than the total metals and low surrogate recovery, Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified $\delta J\delta$ estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM[®] database and processed through a series of data quality checks, which are a combination of software (Locus EIM[®] database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard

Sampling Program: SED SW PW 2014

Validation Options: LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-102214	10/22/2014	7649685	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-30-Z	10/22/2014	7649785	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Zinc	0.0059	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-Z	10/23/2014	7649791	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Zinc	0.0027	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Zinc	0.0031	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Zinc	0.0032	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-35-Z	10/22/2014	7649776	Zinc	0.0028	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-BALLFIELD-Z	10/23/2014	7649802	Zinc	0.0067	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657876	Zinc	0.0502	umol/g	MDL	0.000987	0.0152	B	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Zinc	0.0392	umol/g	MDL	0.000969	0.0149	B	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Zinc	0.0392	umol/g	MDL	0.000956	0.0147	B	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Zinc	0.0261	umol/g	MDL	0.000953	0.0147	B	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Zinc	0.0453	umol/g	MDL	0.000980	0.0151	B	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Zinc	0.0256	umol/g	MDL	0.000962	0.0148	B	6010C		3050B
SSP14-SW-28	10/22/2014	7649778	Manganese	0.0126	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Manganese	0.0106	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Barium	0.0035	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Zinc	0.0056	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Manganese	0.0057	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Barium	0.0025	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Zinc	0.0065	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-28	10/22/2014	7649778	Barium	0.0035	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-28	10/22/2014	7649778	Zinc	0.0065	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Zinc	0.0087	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Zinc	0.0036	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Zinc	0.0039	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-BALLFIELD	10/23/2014	7651659	Tin	1.72	MG/KG	MDL	0.501	23.3	B	6010C		3050B
SSP14-SW-07	10/30/2014	7657620	Zinc	0.0038	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Zinc	0.0069	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Zinc	0.0037	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-14-Z	10/29/2014	7655624	Zinc	0.0036	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-34	10/22/2014	7651657	Tin	4.89	MG/KG	MDL	1.23	57.0	B	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Tin	2.45	MG/KG	MDL	0.653	30.4	B	6010C		3050B
SSP14-SW-04	10/23/2014	7649787	Zinc	0.0030	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-32	10/29/2014	7657451	Carbon Disulfide	3	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-32	10/29/2014	7657451	Tin	2.79	MG/KG	MDL	0.558	26.0	B	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Tin	6.40	MG/KG	MDL	1.93	89.7	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Tin	3.29	MG/KG	MDL	0.532	24.8	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Copper	0.00721	UMOL/G	MDL	0.00125	0.00760	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Zinc	0.0138	umol/g	MDL	0.000961	0.0148	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Carbon Disulfide	2	UG/KG	MDL	1	5	B	8260B		5035A
SSP14-SED-27	10/29/2014	7657445	Carbon Disulfide	2	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Tin	1.60	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Tin	2.98	MG/KG	MDL	0.592	27.5	B	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Tin	2.73	MG/KG	MDL	0.613	28.5	B	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Carbon Disulfide	2	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Tin	2.08	MG/KG	MDL	0.526	24.4	B	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Tin	6.28	MG/KG	MDL	2.04	94.7	B	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Tin	3.27	MG/KG	MDL	0.553	25.7	B	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Tin	2.15	MG/KG	MDL	0.535	24.9	B	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Tin	2.13	MG/KG	MDL	0.548	25.5	B	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Tin	1.70	MG/KG	MDL	0.517	24.1	B	6010C		3050B

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657439	Tin	2.42	MG/KG	MDL	0.580	27.0	B	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Tin	2.09	MG/KG	MDL	0.550	25.6	B	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Tin	2.08	MG/KG	MDL	0.615	28.6	B	6010C		3050B
SSP14-SED-04-D	10/21/2014	7654871	Cadmium	0.000104	umol/g	MDL	0.000071	0.00108	B	6010C		821
PPS14-SW-10	10/21/2014	7648059	Zinc	0.0073	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-10-Z	10/21/2014	7648060	Zinc	0.0117	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Zinc	0.0051	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Zinc	0.0067	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Tin	2.27	MG/KG	MDL	0.607	28.2	B	6010C		3050B
SSP14-SW-31	10/29/2014	7655626	Zinc	0.0042	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Zinc	0.0033	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Manganese	0.0031	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Barium	0.0022	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Zinc	0.0053	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Zinc	0.0043	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Manganese	0.0039	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Barium	0.0023	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Manganese	0.0027	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Barium	0.0022	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Zinc	0.0029	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-BALLFIELD	10/23/2014	7649801	Zinc	0.0055	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04-D	10/21/2014	7648232	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Ethylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Triethylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Ethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Diethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Triethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Propylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Propylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Ethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Diethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Triethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Ethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Diethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Triethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Propylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-27	10/29/2014	7657445	Ethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Diethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Triethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Propylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Propylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Propylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Ethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Diethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Triethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Ethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Diethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-32	10/29/2014	7657451	Triethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Propylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Propylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Ethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Diethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Triethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Diethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Triethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Ethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Diethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Triethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Propylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04	10/21/2014	7654867	Mercury	0.0000073	umol/g	MDL	0.0000073	0.00007 28	UJ	7471B		821
EB-102214	10/22/2014	7654873	Mercury	0.0000075	umol/g	MDL	0.0000075	0.00007 48	UJ	7471B		821
SSP14-SED-04-D	10/21/2014	7654871	Mercury	0.0000073	umol/g	MDL	0.0000073	0.00007 28	UJ	7471B		821
SSP14-SED-05	10/29/2014	7657876	Mercury	0.0000074	umol/g	MDL	0.0000074	0.00014 9	UJ	7471B		3050B
SSP14-SED-07	10/29/2014	7657878	Mercury	0.0000072	umol/g	MDL	0.0000072	0.00014 4	UJ	7471B		3050B
SSP14-SED-27	10/29/2014	7657879	Mercury	0.0000074	umol/g	MDL	0.0000074	0.00014 7	UJ	7471B		3050B
SSP14-SED-14	10/29/2014	7657880	Mercury	0.0000072	umol/g	MDL	0.0000072	0.00014 4	UJ	7471B		3050B
SSP14-SED-26	10/22/2014	7654872	Mercury	0.0000073	umol/g	MDL	0.0000073	0.00007 29	UJ	7471B		821
SSP14-SED-30	10/23/2014	7654864	Mercury	0.0000095	umol/g	MDL	0.0000095	0.00019 0	UJ	7471B		821
SSP14-SED-29	10/23/2014	7654863	Mercury	0.000011	umol/g	MDL	0.000011	0.00022 7	UJ	7471B		821
SSP14-SED-28	10/23/2014	7654862	Mercury	0.000010	umol/g	MDL	0.000010	0.00020 7	UJ	7471B		821
SSP14-SED-32	10/29/2014	7657882	Mercury	0.0000072	umol/g	MDL	0.0000072	0.00014 5	UJ	7471B		3050B
SSP14-SED-31	10/29/2014	7657881	Mercury	0.0000072	umol/g	MDL	0.0000072	0.00014 5	UJ	7471B		3050B
SSP14-SED-33	10/22/2014	7654859	Mercury	0.000037	umol/g	MDL	0.000037	0.00074 2	UJ	7471B		821
SSP14-SED-BALLFIELD	10/23/2014	7654861	Mercury	0.0000097	umol/g	MDL	0.0000097	0.00019 4	UJ	7471B		821
SSP14-SED-35	10/22/2014	7654860	Mercury	0.000012	umol/g	MDL	0.000012	0.00023 9	UJ	7471B		821
SSP14-SED-34	10/22/2014	7654858	Mercury	0.000024	umol/g	MDL	0.000024	0.00047 8	UJ	7471B		821

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-32-Z	10/29/2014	7655630	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
EB-103014	10/30/2014	7658020	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Methapyrilene	2400	UG/KG	MDL	2400	7200	UJ	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Methapyrilene	2200	UG/KG	MDL	2200	6700	UJ	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Propylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Ethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SW-14	10/29/2014	7655623	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A

Validation Reason Code: This is a targeted tentatively identified compound; it should be considered an estimated value.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-103014	10/30/2014	7658020	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-34	10/22/2014	7651657	Arsenic	3.34	MG/KG	MDL	0.243	2.28	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Arsenic	5.21	MG/KG	MDL	0.383	3.59	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Thallium	1.80	MG/KG	MDL	0.142	0.947	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Arsenic	5.12	MG/KG	MDL	0.404	3.79	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Thallium	0.348	MG/KG	MDL	0.0382	0.255	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Arsenic	1.77	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Arsenic	0.999	MG/KG	MDL	0.103	0.962	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Arsenic	0.357	MG/KG	MDL	0.120	1.13	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Thallium	0.0889	MG/KG	MDL	0.0423	0.282	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Thallium	0.102	MG/KG	MDL	0.0429	0.286	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Arsenic	0.322	MG/KG	MDL	0.122	1.14	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Thallium	0.0873	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Antimony	0.135	MG/KG	MDL	0.108	0.510	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Antimony	1.70	MG/KG	MDL	0.400	1.89	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Arsenic	0.494	MG/KG	MDL	0.122	1.14	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Thallium	0.175	MG/KG	MDL	0.0427	0.285	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Thallium	0.229	MG/KG	MDL	0.0413	0.275	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Arsenic	0.838	MG/KG	MDL	0.117	1.10	J	6020A		3050B
SSP14-SED-28	10/23/2014	7651660	Arsenic	0.344	MG/KG	MDL	0.101	0.948	J	6020A		3050B
SSP14-SED-28	10/23/2014	7651660	Thallium	0.138	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Thallium	0.618	MG/KG	MDL	0.135	0.897	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Thallium	0.114	MG/KG	MDL	0.0349	0.233	J	6020A		3050B

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-35	10/22/2014	7651658	Arsenic	0.984	MG/KG	MDL	0.130	1.22	J	6020A		3050B
SSP14-SED-35	10/22/2014	7651658	Thallium	0.0976	MG/KG	MDL	0.0456	0.304	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Thallium	0.317	MG/KG	MDL	0.0855	0.570	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Antimony	0.242	MG/KG	MDL	0.241	1.14	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Arsenic	0.382	MG/KG	MDL	0.0994	0.931	J	6020A		3050B

Validation Reason Code: Dissolved result greater than total and difference outside criteria (Detects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
PPS14-SW-26	10/22/2014	7648062	Iron	14.7	MG/L	MDL	0.0334	0.400	J	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Iron	19.2	MG/L	MDL	0.0334	0.400	J	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Barium	0.0792	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Barium	0.0656	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04-D	10/21/2014	7648232	0.02 MM	2.0	%	MDL	0.50	0.50	J	D422		
						PASSI NG						
SSP14-SED-04-D	10/21/2014	7648232	0.05 MM	2.0	%	MDL	0.50	0.50	J	D422		
						PASSI NG						
SSP14-SED-04	10/21/2014	7648228	0.05 MM	0.50	%	MDL	0.50	0.50	J	D422		
						PASSI NG						

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-35	10/22/2014	7651658	Iron	6140	MG/KG	MDL	5.08	60.8	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Lead	7.88	MG/KG	MDL	0.0195	0.608	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Barium	76.3	MG/KG	MDL	0.0940	2.85	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Vanadium	48.1	MG/KG	MDL	0.408	4.48	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Iron	13100	MG/KG	MDL	9.52	114	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Lead	24.1	MG/KG	MDL	0.0366	1.14	J	6020A		3050B
SSP14-SED-34	10/22/2014	7654858	Nickel	0.0285	UMOL/ G	MDL	0.00204	0.0272	J	6010C		821
SSP14-SED-34	10/22/2014	7651657	Vanadium	40.6	MG/KG	MDL	0.259	2.85	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Barium	22.0	MG/KG	MDL	0.0502	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Vanadium	12.4	MG/KG	MDL	0.138	1.52	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Iron	6090	MG/KG	MDL	3.89	46.6	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Lead	2.87	MG/KG	MDL	0.0149	0.466	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Barium	12.6	MG/KG	MDL	0.0384	1.16	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Vanadium	7.51	MG/KG	MDL	0.106	1.16	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Barium	12.7	MG/KG	MDL	0.0429	1.30	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Iron	16600	MG/KG	MDL	15.0	179	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Lead	49.8	MG/KG	MDL	0.0576	1.79	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Barium	120	MG/KG	MDL	0.148	4.48	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Vanadium	6.38	MG/KG	MDL	0.108	1.18	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Iron	3340	MG/KG	MDL	4.13	49.5	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Lead	2.29	MG/KG	MDL	0.0159	0.495	J	6020A		3050B
SSP14-SED-31	10/29/2014	7657449	Manganese	21.0	MG/KG	MDL	0.103	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Vanadium	6.44	MG/KG	MDL	0.113	1.24	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-31	10/29/2014	7657449	Barium	4.98	MG/KG	MDL	0.0408	1.24	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Iron	11600	MG/KG	MDL	4.34	51.9	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Lead	9.28	MG/KG	MDL	0.0167	0.519	J	6020A		3050B
SSP14-SED-32	10/29/2014	7657451	Manganese	58.3	MG/KG	MDL	0.108	1.30	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Barium	15.2	MG/KG	MDL	0.0391	1.18	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Total Organic Carbon	43500	MG/KG	MDL	3190	9570	J	9060A MOD.		
SSP14-SED-27	10/29/2014	7657445	Vanadium	11.3	MG/KG	MDL	0.117	1.29	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Iron	4920	MG/KG	MDL	3.96	47.4	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Lead	2.49	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Iron	8460	MG/KG	MDL	4.59	55.0	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Lead	9.16	MG/KG	MDL	0.0177	0.550	J	6020A		3050B
SSP14-SED-29	10/23/2014	7654863	Nickel	0.253	UMOL/ G	MDL	0.000968	0.0129	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Iron	6310	MG/KG	MDL	4.76	57.0	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Lead	7.55	MG/KG	MDL	0.0183	0.570	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Barium	29.4	MG/KG	MDL	0.0454	1.38	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Vanadium	14.2	MG/KG	MDL	0.125	1.38	J	6010C		3050B
SSP14-SED-30	10/23/2014	7654864	Nickel	0.0125	UMOL/ G	MDL	0.000812	0.0108	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Barium	18.5	MG/KG	MDL	0.0470	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Vanadium	11.9	MG/KG	MDL	0.130	1.42	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Iron	72700	MG/KG	MDL	15.8	189	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Lead	13.0	MG/KG	MDL	0.0608	1.89	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Iron	3130	MG/KG	MDL	4.08	48.9	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Lead	2.96	MG/KG	MDL	0.0157	0.489	J	6020A		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-14	10/29/2014	7657447	Manganese	24.7	MG/KG	MDL	0.101	1.22	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Vanadium	5.63	MG/KG	MDL	0.113	1.24	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Vanadium	5.79	MG/KG	MDL	0.111	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Barium	7.43	MG/KG	MDL	0.0403	1.22	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Barium	87.1	MG/KG	MDL	0.156	4.74	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Vanadium	21.5	MG/KG	MDL	0.431	4.74	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Lead	3.04	MG/KG	MDL	0.0165	0.515	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657445	Manganese	103	MG/KG	MDL	0.107	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Iron	5690	MG/KG	MDL	4.30	51.5	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Barium	9.51	MG/KG	MDL	0.0425	1.29	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Vanadium	4.11	MG/KG	MDL	0.116	1.28	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Iron	1860	MG/KG	MDL	4.15	49.7	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Lead	2.10	MG/KG	MDL	0.0160	0.497	J	6020A		3050B
SSP14-SED-07	10/29/2014	7657443	Manganese	73.6	MG/KG	MDL	0.103	1.24	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Barium	6.05	MG/KG	MDL	0.0422	1.28	J	6010C		3050B
SSP14-SED-09	10/21/2014	7654865	Nickel	0.174	UMOL/ G	MDL	0.000625	0.00417	J	6010C		821
SSP14-SED-09	10/21/2014	7648226	Barium	77.5	MG/KG	MDL	0.0421	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Iron	10900	MG/KG	MDL	4.26	51.0	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Lead	5.71	MG/KG	MDL	0.0164	0.510	J	6020A		3050B
SSP14-SED-07	10/29/2014	7657443	Barium	5.70	MG/KG	MDL	0.0410	1.24	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Vanadium	3.83	MG/KG	MDL	0.109	1.20	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Barium	23.5	MG/KG	MDL	0.0397	1.20	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Vanadium	7.11	MG/KG	MDL	0.116	1.27	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-10	10/21/2014	7648227	Iron	9780	MG/KG	MDL	4.02	48.1	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Lead	3.39	MG/KG	MDL	0.0154	0.481	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Total Organic Carbon	2020	MG/KG	MDL	134	402	J	9060A MOD.		
SSP14-SED-05	10/29/2014	7657439	Iron	4370	MG/KG	MDL	4.50	53.9	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Lead	3.49	MG/KG	MDL	0.0173	0.539	J	6020A		3050B
SSP14-SED-05	10/29/2014	7657439	Manganese	71.1	MG/KG	MDL	0.112	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Barium	19.7	MG/KG	MDL	0.0445	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Vanadium	12.7	MG/KG	MDL	0.123	1.35	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Iron	1950	MG/KG	MDL	4.27	51.2	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Lead	1.35	MG/KG	MDL	0.0164	0.512	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Manganese	54.7	MG/KG	MDL	0.106	1.28	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Total Organic Carbon	2430	MG/KG	MDL	143	429	J	9060A MOD.		
SSP14-SED-04-D	10/21/2014	7648232	Barium	17.3	MG/KG	MDL	0.0472	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Vanadium	7.58	MG/KG	MDL	0.130	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Iron	3790	MG/KG	MDL	4.78	57.2	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Lead	3.25	MG/KG	MDL	0.0184	0.572	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Total Organic Carbon	2740	MG/KG	MDL	144	432	J	9060A MOD.		
SSP14-SED-04-D	10/21/2014	7654871	Nickel	0.00839	UMOL/ G	MDL	0.000621	0.00414	J	6010C		821
SSP14-SED-04	10/21/2014	7654867	Nickel	0.0117	UMOL/ G	MDL	0.000621	0.00414	J	6010C		821
SSP14-SED-04	10/21/2014	7648228	Iron	4840	MG/KG	MDL	4.71	56.4	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Lead	3.68	MG/KG	MDL	0.0181	0.564	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Vanadium	10.7	MG/KG	MDL	0.128	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Barium	19.4	MG/KG	MDL	0.0466	1.41	J	6010C		3050B

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-32	10/29/2014	7657451	Vanadium	20.4	MG/KG	MDL	0.118	1.30	J	6010C		3050B
EB-102214	10/22/2014	7654873	Nickel	0.00312	umol/g	MDL	0.000638	0.00425	J	6010C		821
SSP14-SED-28	10/23/2014	7654862	Nickel	0.00542	UMOL/ G	MDL	0.000885	0.0118	J	6010C		821
SSP14-SED-33	10/22/2014	7654859	Nickel	0.0244	UMOL/ G	MDL	0.00317	0.0422	J	6010C		821
SSP14-SED-BALLFIELD	10/23/2014	7654861	Nickel	0.00106	UMOL/ G	MDL	0.000826	0.0110	J	6010C		821
SSP14-SED-35	10/22/2014	7654860	Nickel	0.00295	UMOL/ G	MDL	0.00102	0.0136	J	6010C		821
SSP14-SW-07	10/30/2014	7657620	Total Suspended Solids	1.00	MG/L	MDL	1.00	3.00	J	2540 D-1997		

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657439	Diethylene Glycol	8200	UG/KG	MDL	6700	13000	J	8015C		8015C

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-06	10/29/2014	7657877	Mercury	0.0000092	umol/g	MDL	0.0000073	0.000146	J	7471B		3050B
SSP14-SED-10	10/21/2014	7654866	Mercury	0.000010	umol/g	MDL	0.0000073	0.0000726	J	7471B		821
SSP14-SED-09	10/21/2014	7654865	Mercury	0.0000097	umol/g	MDL	0.0000073	0.0000733	J	7471B		821

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-35	10/22/2014	7651658	Manganese	67.1	MG/KG	MDL	0.126	1.52	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Manganese	151	MG/KG	MDL	0.237	2.85	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Manganese	106	MG/KG	MDL	0.0966	1.16	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Manganese	280	MG/KG	MDL	0.372	4.48	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Nickel	0.0572	UMOL/ G	MDL	0.000617	0.00823	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Manganese	101	MG/KG	MDL	0.0983	1.18	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Manganese	205	MG/KG	MDL	0.571	6.88	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Manganese	116	MG/KG	MDL	0.118	1.42	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Manganese	1350	MG/KG	MDL	1.97	23.7	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Nickel	0.108	UMOL/ G	MDL	0.000612	0.00816	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Nickel	0.0346	UMOL/ G	MDL	0.000629	0.00839	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Nickel	0.0939	UMOL/ G	MDL	0.000614	0.00819	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Manganese	5760	MG/KG	MDL	5.29	63.7	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Manganese	1270	MG/KG	MDL	2.00	24.1	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Nickel	0.0978	UMOL/ G	MDL	0.000622	0.00830	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Manganese	139	MG/KG	MDL	0.119	1.43	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Manganese	158	MG/KG	MDL	0.234	2.82	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657876	Nickel	0.00440	UMOL/ G	MDL	0.000634	0.00845	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Nickel	0.000889	UMOL/ G	MDL	0.000618	0.00824	J	6010C		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-BALLFIELD	10/23/2014	7649801	Vinyl Chloride	0.019	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-SW-BALLFIELD-Z	10/23/2014	7649802	Barium	0.0080	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-BALLFIELD	10/23/2014	7649801	Lead	0.00042	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-35	10/22/2014	7649775	Iron	0.233	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Magnesium	0.179	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Iron	0.143	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Manganese	0.00094	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Barium	0.0020	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Barium	0.0031	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Iron	0.142	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Manganese	0.0017	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Iron	0.240	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Magnesium	0.177	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Manganese	0.0062	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Barium	0.0027	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Barium	0.0021	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Barium	0.0021	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Iron	0.158	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Manganese	0.0040	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Zinc	0.0379	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Carbon Disulfide	0.6	UG/L	MDL	0.4	1.0	J	8260B		5030B
SSP14-SW-35	10/22/2014	7649775	Total Suspended Solids	2.00	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-35-Z	10/22/2014	7649776	Iron	0.152	MG/L	MDL	0.0334	0.400	J	6010C		3010A

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-35-Z	10/22/2014	7649776	Manganese	0.00083	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-35-Z	10/22/2014	7649776	Barium	0.0019	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Iron	0.224	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Magnesium	0.176	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Iron	0.227	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Magnesium	0.176	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Manganese	0.00084	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Barium	0.0018	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Beryllium	0.597	MG/KG	MDL	0.0945	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Cobalt	1.36	MG/KG	MDL	0.135	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Copper	2.72	MG/KG	MDL	0.466	2.82	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Selenium	0.163	MG/KG	MDL	0.141	1.13	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Phenanthrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(G,H,I)Perylene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(B)Fluoranthene	12	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Fluoranthene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Chrysene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo[A]Pyrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Acetone	22	UG/KG	MDL	11	31	J	8260B		5035A

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04	10/21/2014	7654867	Silver	0.000821	UMOL/G	MDL	0.000428	0.00113	J	6010C		821
SSP14-SED-04	10/21/2014	7648228	Nickel	2.60	MG/KG	MDL	0.212	2.82	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Pyrene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(B)Fluoranthene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Fluoranthene	19	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(K)Fluoranthene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Chrysene	10	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo[A]Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
PPS14-SW-26	10/22/2014	7648062	Cobalt	0.0010	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Thallium	0.00022	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
PPS14-SW-10	10/21/2014	7648059	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Barium	0.0073	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-PW-04	10/23/2014	7649697	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-04-D	10/23/2014	7649703	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Benzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Ethyl Chloride	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-09	10/22/2014	7649691	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	Vinyl Chloride	0.016	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-PW-10	10/21/2014	7649687	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-26	10/22/2014	7649689	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-26	10/22/2014	7649689	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
EB-102214	10/22/2014	7654873	Cadmium	0.000124	umol/g	MDL	0.000073	0.00111	J	6010C		821
EB-102214	10/22/2014	7649685	Zinc	0.0043	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102214	10/22/2014	7654873	Zinc	0.00380	umol/g	MDL	0.000994	0.00764	J	6010C		821
EB-102314-SW	10/23/2014	7649812	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102314-SW-Z	10/23/2014	7649813	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102314-SW-Z	10/23/2014	7649813	Selenium	0.0048	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
EB-103014	10/30/2014	7658020	Magnesium	0.0348	MG/L	MDL	0.0167	0.200	J	6010C		3010A
EB-103014	10/30/2014	7658020	Barium	0.0011	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-103014	10/30/2014	7658020	Zinc	0.0032	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102214	10/22/2014	7649685	Lead	0.00010	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-102214	10/22/2014	7649685	Manganese	0.0011	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
PPS14-SW-10	10/21/2014	7648059	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Total Suspended Solids	2.00	MG/L	MDL	2.00	6.00	J	2540 D-1997		
PPS14-SW-10-Z	10/21/2014	7648060	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-04-D	10/21/2014	7654871	Silver	0.000859	UMOL/G	MDL	0.000428	0.00113	J	6010C		821
SSP14-SED-04-D	10/21/2014	7648232	Chromium	2.80	MG/KG	MDL	0.157	4.29	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Cobalt	1.21	MG/KG	MDL	0.137	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Copper	2.28	MG/KG	MDL	0.472	2.86	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04-D	10/21/2014	7648232	Acetone	17	UG/KG	MDL	10	29	J	8260B		5035A
SSP14-SED-04-D	10/21/2014	7648232	Nickel	1.89	MG/KG	MDL	0.215	2.86	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Selenium	0.169	MG/KG	MDL	0.143	1.14	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Beryllium	0.468	MG/KG	MDL	0.0959	1.43	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Anthracene	6	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(G,H,I)Perylene	12	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(B)Fluoranthene	22	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Chrysene	20	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo[A]Pyrene	16	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(A)Anthracene	14	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-06	10/29/2014	7657441	Nickel	0.701	MG/KG	MDL	0.192	2.56	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Arsenic	0.223	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Acetone	19	UG/KG	MDL	8	24	J	8260B		5035A
SSP14-SED-05	10/29/2014	7657439	Biphenyl	26	UG/KG	MDL	22	45	J	8270D		3546
SSP14-SED-06	10/29/2014	7657441	Benzo(A)Anthracene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Beryllium	0.540	MG/KG	MDL	0.0903	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Cadmium	0.104	MG/KG	MDL	0.0445	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657876	Cadmium	0.000254	umol/g	MDL	0.000073	0.00221	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Cobalt	1.23	MG/KG	MDL	0.129	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Acenaphthene	11	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Fluorene	6	UG/KG	MDL	4	23	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657439	2-Methylnaphthalene	6	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Thallium	0.0914	MG/KG	MDL	0.0404	0.270	J	6020A		3050B
SSP14-SED-05	10/29/2014	7657439	Arsenic	0.441	MG/KG	MDL	0.115	1.08	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo[A]Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Silver	0.747	MG/KG	MDL	0.229	1.20	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Selenium	0.170	MG/KG	MDL	0.127	1.02	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Beryllium	0.283	MG/KG	MDL	0.0806	1.20	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Chromium	0.858	MG/KG	MDL	0.132	3.61	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Selenium	0.150	MG/KG	MDL	0.120	0.962	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Toluene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Indeno (1,2,3-CD) Pyrene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Chrysene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo[A]Pyrene	18	UG/KG	MDL	4	21	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-14	10/29/2014	7657447	Benzo(A)Anthracene	17	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-07	10/29/2014	7657443	Beryllium	0.188	MG/KG	MDL	0.0833	1.24	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Cadmium	0.000120	umol/g	MDL	0.000071	0.00214	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Chromium	2.53	MG/KG	MDL	0.137	3.73	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Cobalt	0.590	MG/KG	MDL	0.119	1.24	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Copper	0.976	MG/KG	MDL	0.410	2.49	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Nickel	0.407	MG/KG	MDL	0.191	2.55	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Beryllium	0.394	MG/KG	MDL	0.0854	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Cadmium	0.0497	MG/KG	MDL	0.0421	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Chromium	1.65	MG/KG	MDL	0.140	3.82	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Arsenic	0.355	MG/KG	MDL	0.106	0.994	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Beryllium	0.168	MG/KG	MDL	0.0857	1.28	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Cadmium	0.000167	umol/g	MDL	0.000072	0.00217	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Chromium	1.40	MG/KG	MDL	0.141	3.84	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Cobalt	0.585	MG/KG	MDL	0.123	1.28	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Copper	0.738	MG/KG	MDL	0.422	2.56	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Acetone	16	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SED-07	10/29/2014	7657878	Lead	0.00337	umol/g	MDL	0.000581	0.00348	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Nickel	0.839	MG/KG	MDL	0.186	2.49	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Beryllium	0.455	MG/KG	MDL	0.0862	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Cadmium	0.0888	MG/KG	MDL	0.0425	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Cadmium	0.000112	umol/g	MDL	0.000072	0.00219	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Chromium	2.19	MG/KG	MDL	0.142	3.86	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-27	10/29/2014	7657445	Cobalt	1.19	MG/KG	MDL	0.124	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Copper	1.67	MG/KG	MDL	0.425	2.57	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Thallium	0.0435	MG/KG	MDL	0.0386	0.257	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657445	Arsenic	0.545	MG/KG	MDL	0.110	1.03	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657879	Lead	0.00295	umol/g	MDL	0.000595	0.00357	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Nickel	1.66	MG/KG	MDL	0.193	2.57	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Vinyl Chloride	10	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	1,1-Dichloroethane	9	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	1,1-Dichloroethene	8	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	Selenium	1.04	MG/KG	MDL	0.474	3.79	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Acenaphthene	29	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Phenanthrene	19	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Fluorene	39	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Beryllium	1.82	MG/KG	MDL	0.317	4.74	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Chromium	8.02	MG/KG	MDL	0.521	14.2	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Cobalt	3.28	MG/KG	MDL	0.455	4.74	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Acetone	21	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Beryllium	0.132	MG/KG	MDL	0.0819	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Cadmium	0.000141	umol/g	MDL	0.000070	0.00213	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Chromium	2.29	MG/KG	MDL	0.134	3.67	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Cobalt	0.512	MG/KG	MDL	0.117	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Copper	1.20	MG/KG	MDL	0.403	2.44	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Arsenic	0.782	MG/KG	MDL	0.104	0.978	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-14	10/29/2014	7657447	Acetone	22	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Thallium	0.0458	MG/KG	MDL	0.0367	0.244	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Nickel	0.944	MG/KG	MDL	0.183	2.44	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Diphenyl Ether	96	UG/KG	MDL	81	160	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Pyrene	41	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	cis-1,2 Dichloroethene	9	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	Benzo(G,H,I)Perylene	22	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Benzo(B)Fluoranthene	21	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Fluoranthene	51	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Chrysene	27	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Benzo[A]Pyrene	26	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Selenium	0.183	MG/KG	MDL	0.142	1.14	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Phenanthrene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-31	10/29/2014	7657449	Acetone	15	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SED-30	10/23/2014	7651662	Beryllium	0.613	MG/KG	MDL	0.0954	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Chromium	2.46	MG/KG	MDL	0.157	4.27	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Cobalt	1.34	MG/KG	MDL	0.137	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Copper	1.97	MG/KG	MDL	0.470	2.85	J	6010C		3050B
SSP14-SED-30	10/23/2014	7654864	Copper	0.00796	UMOL/ G	MDL	0.00165	0.0100	J	6010C		821
SSP14-SED-30	10/23/2014	7654864	Silver	0.000790	UMOL/ G	MDL	0.000560	0.00295	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Nickel	1.66	MG/KG	MDL	0.214	2.85	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Selenium	0.276	MG/KG	MDL	0.138	1.10	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Beryllium	1.01	MG/KG	MDL	0.0922	1.38	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-29	10/23/2014	7651661	Chromium	2.41	MG/KG	MDL	0.151	4.13	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Acetone	18	UG/KG	MDL	9	26	J	8260B		5035A
SSP14-SED-30	10/23/2014	7651662	Pyrene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(G,H,I)Perylene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Indeno (1,2,3-CD) Pyrene	10	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(B)Fluoranthene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Fluoranthene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Chrysene	12	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo[A]Pyrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Nickel	2.45	MG/KG	MDL	0.206	2.75	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Fluoranthene	6	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Acetone	23	UG/KG	MDL	9	25	J	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Acenaphthylene	11	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-28	10/23/2014	7651660	Acetone	9	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Beryllium	0.143	MG/KG	MDL	0.0794	1.18	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Chromium	1.57	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Cobalt	1.14	MG/KG	MDL	0.114	1.18	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Copper	1.49	MG/KG	MDL	0.391	2.37	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Nickel	0.944	MG/KG	MDL	0.178	2.37	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Nickel	2.39	MG/KG	MDL	0.195	2.60	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Thallium	0.0861	MG/KG	MDL	0.0390	0.260	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-32	10/29/2014	7657451	Pyrene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(G,H,I)Perylene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Fluoranthene	17	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Chrysene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo[A]Pyrene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(A)Anthracene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-31	10/29/2014	7657449	Beryllium	0.0842	MG/KG	MDL	0.0829	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Cadmium	0.000088	umol/g	MDL	0.000071	0.00215	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Chromium	3.11	MG/KG	MDL	0.136	3.71	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Cobalt	0.374	MG/KG	MDL	0.119	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Copper	0.993	MG/KG	MDL	0.408	2.48	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Zinc	4.57	MG/KG	MDL	0.322	4.95	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Arsenic	0.500	MG/KG	MDL	0.106	0.990	J	6020A		3050B
SSP14-SED-31	10/29/2014	7657449	Toluene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SED-31	10/29/2014	7657449	Nickel	0.635	MG/KG	MDL	0.186	2.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Beryllium	2.62	MG/KG	MDL	0.300	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Cadmium	0.220	MG/KG	MDL	0.148	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7654859	Cadmium	0.00110	umol/g	MDL	0.000364	0.0110	J	6010C		821
SSP14-SED-33	10/22/2014	7651656	Cobalt	4.17	MG/KG	MDL	0.430	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7654859	Copper	0.0226	UMOL/ G	MDL	0.00644	0.0390	J	6010C		821

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-33	10/22/2014	7651656	Mercury	0.100	MG/KG	MDL	0.0428	0.856	J	7471B		7471B
SSP14-SED-33	10/22/2014	7651656	Nickel	8.23	MG/KG	MDL	0.673	8.97	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Beryllium	0.374	MG/KG	MDL	0.0870	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Cadmium	0.121	MG/KG	MDL	0.0429	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Cadmium	0.000226	umol/g	MDL	0.000071	0.00215	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Cobalt	1.11	MG/KG	MDL	0.125	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Selenium	0.130	MG/KG	MDL	0.130	1.04	J	6020A		3050B
SSP14-SED-32	10/29/2014	7657451	Phenanthrene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Pyrene	70	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(G,H,I)Perylene	25	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(B)Fluoranthene	54	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(K)Fluoranthene	18	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Chrysene	46	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo[A]Pyrene	52	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-BALLFIELD	10/23/2014	7651659	Selenium	0.126	MG/KG	MDL	0.116	0.931	J	6020A		3050B
SSP14-SW-04	10/23/2014	7649787	Iron	0.371	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04	10/23/2014	7649787	Barium	0.0066	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-04	10/23/2014	7649787	Total Suspended Solids	1.60	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-04-D	10/23/2014	7649798	Iron	0.378	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Barium	0.0066	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-BALLFIELD	10/23/2014	7651659	Beryllium	0.494	MG/KG	MDL	0.0780	1.16	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Chromium	1.33	MG/KG	MDL	0.128	3.49	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Cobalt	0.858	MG/KG	MDL	0.112	1.16	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-BALLFIELD	10/23/2014	7651659	Copper	1.27	MG/KG	MDL	0.384	2.33	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7654861	Copper	0.00514	UMOL/ G	MDL	0.00168	0.0102	J	6010C		821
SSP14-SED-BALLFIELD	10/23/2014	7651659	Nickel	0.453	MG/KG	MDL	0.175	2.33	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Selenium	0.228	MG/KG	MDL	0.152	1.22	J	6020A		3050B
SSP14-SED-35	10/22/2014	7651658	Phenanthrene	10	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Beryllium	0.574	MG/KG	MDL	0.102	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Chromium	3.64	MG/KG	MDL	0.167	4.56	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Cobalt	1.33	MG/KG	MDL	0.146	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Copper	2.54	MG/KG	MDL	0.502	3.04	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Selenium	1.16	MG/KG	MDL	0.285	2.28	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Phenanthrene	47	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Nickel	2.39	MG/KG	MDL	0.228	3.04	J	6010C		3050B
SSP14-SED-35	10/22/2014	7654860	Silver	0.00107	UMOL/ G	MDL	0.000703	0.00370	J	6010C		821
SSP14-SED-34	10/22/2014	7651657	Mercury	0.0421	MG/KG	MDL	0.0279	0.559	J	7471B		7471B
SSP14-SED-33	10/22/2014	7651656	Selenium	2.29	MG/KG	MDL	0.448	3.59	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Methyl Ethyl Ketone	27	UG/KG	MDL	17	43	J	8260B		5035A
SSP14-SED-33	10/22/2014	7651656	Phenanthrene	34	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Anthracene	11	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Indeno (1,2,3-CD) Pyrene	40	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Dibenz(A,H)Anthracene	14	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Benzo(A)Anthracene	47	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Beryllium	1.66	MG/KG	MDL	0.191	2.85	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Cadmium	0.165	MG/KG	MDL	0.0940	2.85	J	6010C		3050B

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-34	10/22/2014	7654858	Cadmium	0.000626	umol/g	MDL	0.000235	0.00711	J	6010C		821
SSP14-SED-34	10/22/2014	7654858	Copper	0.0187	UMOL/G	MDL	0.00415	0.0251	J	6010C		821
SSP14-SED-35	10/22/2014	7651658	Pyrene	15	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(G,H,I)Perylene	9	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(B)Fluoranthene	13	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Fluoranthene	18	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(K)Fluoranthene	6	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Chrysene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo[A]Pyrene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(A)Anthracene	6	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SW-27	10/30/2014	7657623	Barium	0.0052	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Barium	0.0019	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Barium	0.0048	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Total Suspended Solids	1.30	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-27-Z	10/30/2014	7657624	Iron	0.205	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Lead	0.00035	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-28	10/22/2014	7649778	Lead	0.00033	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-28	10/22/2014	7649778	Total Suspended Solids	5.60	MG/L	MDL	2.00	6.00	J	2540 D-1997		
SSP14-SW-28-Z	10/22/2014	7649779	Iron	0.158	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Manganese	0.0019	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Barium	0.0023	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Iron	0.198	MG/L	MDL	0.0334	0.400	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-31	10/29/2014	7655626	Magnesium	0.175	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Manganese	0.0041	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Manganese	0.0013	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Barium	0.0018	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Iron	0.152	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Manganese	0.0013	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Barium	0.0020	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Iron	0.311	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Lead	0.00017	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-30	10/22/2014	7649784	Magnesium	0.171	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Barium	0.0050	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Iron	0.259	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Barium	0.0044	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Iron	0.131	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Barium	0.0060	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Total Suspended Solids	1.10	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-04-Z	10/23/2014	7649791	Iron	0.207	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z	10/23/2014	7649791	Lead	0.000094	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-04-Z	10/23/2014	7649791	Barium	0.0060	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Barium	0.0027	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Iron	0.148	MG/L	MDL	0.0334	0.400	J	6010C		3010A

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-14-Z	10/29/2014	7655624	Manganese	0.0015	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-26	10/22/2014	7649766	trans-1,2-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Benzene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	1,1,1-Trichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Trichlorofluoromethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-27	10/30/2014	7657623	Iron	0.308	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-08	10/28/2014	7654078	Barium	0.0025	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	Zinc	0.0041	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	Total Suspended Solids	2.40	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-08-Z	10/28/2014	7654079	Barium	0.0025	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-08-Z	10/28/2014	7654079	Zinc	0.0045	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Barium	0.0042	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Zinc	0.0072	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Trichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-09-Z	10/28/2014	7654076	Barium	0.0046	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-09-Z	10/28/2014	7654076	Zinc	0.0087	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Iron	0.240	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Magnesium	0.171	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Manganese	0.0033	MG/L	MDL	0.00083	0.0100	J	6010C		3010A

Sample Description: SSP14-SW-07-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657621
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW07Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:13	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07-A Surface Water
SED SW PW 2014

LL Sample # WW 7657622
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW07A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
		SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
		SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles							
		SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous							
		SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.3		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0052 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.10		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.308 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.372		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0293		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0036 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 1.30 J	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 18:35	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:28	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:15	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-27

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145701A	11/05/2014 07:39	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW27Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0048 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.205 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0224	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0087 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW27Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:17	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-A Surface Water
SED SW PW 2014

LL Sample # WW 7657625
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW27A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657620,7657623								
Acetone	3.0	U	3.0	5.0	ug/l	89	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99	72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	108	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	110	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	109	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		
Batch number: E143071AA Sample number(s): 7657620,7657623									
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	102		70-130		
Batch number: W143061AA Sample number(s): 7657622,7657625									
Acrolein	40 U	40.	100	ug/l	96		59-120		
Acrylonitrile	4 U	4.	20	ug/l	75		62-120		
Batch number: 14309WAI026 Sample number(s): 7657620,7657623									
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	100		56-134		
1,4-Dioxane	1 U	1.	5	ug/l	66		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	98		77-113		
Batch number: 143090027A Sample number(s): 7657620,7657623									
Diethylene glycol	8.0 U	8.0	10	mg/l	97		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	96		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	88		46-118		
Batch number: 143070636001 Sample number(s): 7657620-7657621,7657623-7657624									
Barium	0.00033 U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	97		80-120		
Calcium	0.0609 J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	99		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	98		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	100		80-120		
Magnesium	0.0342 J	0.0167	0.200	mg/l	99		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	97		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	101		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	94		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	86		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0038 J	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143070639001A Sample number(s): 7657620-7657621,7657623-7657624									
Antimony	0.00033 U	0.00033	0.0020	mg/l	95		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	92		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	98		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	97		80-120		
Thallium	U	2							
	0.00015 U	0.00015	0.0010	mg/l	94		80-120		
Batch number: 143075713001 Sample number(s): 7657620-7657621,7657623-7657624									
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
	U	0							

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14309145701A Total Suspended Solids	Sample number(s): 7657623 1.00 U	1.00	3.00	mg/l	99		91-105		
Batch number: 14309145703B Total Suspended Solids	Sample number(s): 7657620 1.00 U	1.00	3.00	mg/l	96		91-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657620, 7657623 UNSPK: P658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				
Batch number: E143071AA Sample number(s): 7657620,7657623 UNSPK: P658000									
Vinyl Chloride	113	120	70-130	6	30				
Batch number: W143061AA Sample number(s): 7657622,7657625 UNSPK: P658008									
Acrolein	104	105	39-136	1	30				
Acrylonitrile	73	75	51-125	3	30				
Batch number: 14309WAI026 Sample number(s): 7657620,7657623 UNSPK: P658000									
1,1'-Biphenyl	110	105	73-114	5	30				
1,4-Dioxane	66	66	48-83	1	30				
Diphenyl ether	109*	103	81-105	5	30				
Batch number: 143090027A Sample number(s): 7657620,7657623 UNSPK: P658000									
Diethylene glycol	93	90	52-122	4	20				
Ethylene glycol	96	92	54-123	4	20				
Propylene glycol	97	92	55-131	6	20				
Triethylene glycol	83	82	33-123	1	20				
Batch number: 143070636001 Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000									
Barium	99	100	75-125	0	20	0.0056 J	0.0054 J	3 (1)	20
Beryllium	98	99	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	96	99	75-125	2	20	1.08	1.10	2 (1)	20
Chromium	101	98	75-125	3	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	102	100	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	97	100	75-125	3	20	0.0028 U	0.0028 U	0 (1)	20
Iron	99	103	75-125	3	20	0.299 J	0.292 J	2 (1)	20
Magnesium	98	99	75-125	1	20	0.393	0.378	4 (1)	20
Manganese	97	99	75-125	2	20	0.0263	0.0259	2 (1)	20
Nickel	103	102	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	98	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	73*	86	75-125	16	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	100	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	96	101	75-125	5	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	97	98	75-125	1	20	0.0043 J	0.0037 J	17 (1)	20
Batch number: 143070639001A Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000									
Antimony	97	93	75-125	3	20	0.00033 U	0.00033 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Arsenic	98	100	75-125	3	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	100	75-125	3	20	0.00017 U	0.00017 U	0 (1)	20
Lead	99	101	75-125	3	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	100	97	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143075713001	Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000								
Mercury	92	90	80-120	2	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14309145701A	Sample number(s): 7657623 BKG: P656490								
Total Suspended Solids						96.0	98.0	2 (1)	5
Batch number: 14309145703B	Sample number(s): 7657620 BKG: P660118								
Total Suspended Solids						410	388	6*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657620	103	104	96	97
7657623	103	105	98	96
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657620	109			
7657623	109			
Blank	102			
LCS	108			
MS	108			
MSD	108			
Limits:	80-120			

Analysis Name: Acrolein, Acrylonitrile
Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657622	105	102	95	94
7657625	105	103	95	93
Blank	100	99	97	95
LCS	101	99	100	99

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Surrogate Quality Control

MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14309WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657620	87	101	125
7657623	86	99	124
Blank	82	98	133
LCS	83	94	102
MS	84	100	116
MSD	80	95	120
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143090027A

Tetramethylene glycol

7657620	94
7657623	109
Blank	98
LCS	99
MS	95
MSD	96
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/31/2014 9:25</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED
EMPTY

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 06, 2014

Project: BRE - SED SW PW

Submittal Date: 10/23/2014

Group Number: 1514576

PO Number: LBIO-66380

State of Sample Origin: NC

Client Sample Description

SSP14-SED-09 Sediment
SSP14-SED-10 Sediment
SSP14-SED-04 Sediment
SSP14-SED-04 MS Sediment
SSP14-SED-04 MSD Sediment
SSP14-SED-04 Dupl Sediment
SSP14-SED-04-D Sediment
SSP14-SED-26 Sediment

Lancaster Labs (LL) #

7654865
7654866
7654867
7654868
7654869
7654870
7654871
7654872

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7654865
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000072 U	0.000072	0.00109	1
06953	Copper	7440-50-8	0.0487	0.00127	0.00385	1
06955	Lead	7439-92-1	0.0104	0.000591	0.00177	1
06961	Nickel	7440-02-0	0.174	0.000625	0.00417	1
06966	Silver	7440-22-4	0.00355	0.000431	0.00113	1
06972	Zinc	7440-66-6	0.339	0.000974	0.00749	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000097 J	0.000073	0.0000733	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:25	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7654866
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000071 U	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00945	0.00126	0.00382	1
06955	Lead	7439-92-1	0.00454	0.000586	0.00176	1
06961	Nickel	7440-02-0	0.000619 U	0.000619	0.00413	1
06966	Silver	7440-22-4	0.00253	0.000427	0.00112	1
06972	Zinc	7440-66-6	0.135	0.000965	0.00742	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000010 J	0.0000073	0.0000726	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:11	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:27	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7654867
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

SSP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000071 U	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00974	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00569	0.000587	0.00176	1
06961	Nickel	7440-02-0	0.0117	0.000621	0.00414	1
06966	Silver	7440-22-4	0.000821 J	0.000428	0.00113	1
06972	Zinc	7440-66-6	0.0534	0.000967	0.00744	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000073 U	0.000073	0.0000728	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 04:34	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014 10:15	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7654868
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

SSP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.00945	0.000071	0.00108	1
06953	Copper	7440-50-8	0.0997	0.00126	0.00381	1
06955	Lead	7439-92-1	0.0213	0.000584	0.00175	1
06961	Nickel	7440-02-0	0.240	0.000618	0.00412	1
06966	Silver	7440-22-4	0.00918	0.000426	0.00112	1
06972	Zinc	7440-66-6	0.226	0.000962	0.00740	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000029 J	0.0000072	0.0000724	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	22.1	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 04:45	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014 10:21	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7654869
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

SSP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.00963	0.000071	0.00107	1
06953	Copper	7440-50-8	0.0946	0.00125	0.00380	1
06955	Lead	7439-92-1	0.0217	0.000583	0.00175	1
06961	Nickel	7440-02-0	0.194	0.000616	0.00411	1
06966	Silver	7440-22-4	0.00922	0.000425	0.00112	1
06972	Zinc	7440-66-6	0.229	0.000960	0.00738	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000027 J	0.0000072	0.0000722	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	21.5	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 04:49	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014 10:23	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Dupl Sediment
SED SW PW 2014

LL Sample # SW 7654870
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

SSP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000113 J	0.000071	0.00108	1
06953	Copper	7440-50-8	0.0156	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00525	0.000588	0.00176	1
06961	Nickel	7440-02-0	0.0517	0.000622	0.00415	1
06966	Silver	7440-22-4	0.000745 J	0.000429	0.00113	1
06972	Zinc	7440-66-6	0.0500	0.000968	0.00745	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000073 U	0.000073	0.0000729	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 04:41	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014 10:19	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7654871
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000104 J	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00881	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00592	0.000587	0.00176	1
06961	Nickel	7440-02-0	0.00839	0.000621	0.00414	1
06966	Silver	7440-22-4	0.000859 J	0.000428	0.00113	1
06972	Zinc	7440-66-6	0.0551	0.000967	0.00744	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000073 U	0.000073	0.0000728	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:15	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:29	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7654872
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/06/2014 11:25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000143 U	0.000143	0.00217	2
06953	Copper	7440-50-8	0.00882	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00299	0.000588	0.00176	1
06961	Nickel	7440-02-0	0.000622 U	0.000622	0.00415	1
06966	Silver	7440-22-4	0.00896	0.000429	0.00113	1
06972	Zinc	7440-66-6	0.0893	0.000968	0.00745	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000073 U	0.000073	0.0000729	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	2.6	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/03/2014 09:31	Joanne M Gates	2
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:19	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:19	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:19	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:19	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:19	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:35	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/06/14 at 11:25 AM

Group Number: 1514576

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143044792001 Sample number(s): 7654865-7654872									
Cadmium	0.000127	0.00007	0.00111	umoles/g	102		80-120		
	J	3							
Copper	0.00130 U	0.00130	0.00394	umoles/g	100		80-120		
Lead	0.000604	0.00060	0.00181	umoles/g	104		80-120		
	U	4							
Mercury	0.0000075	0.00000	0.00007	umoles/g	71*		80-120		
	U	75	49						
Nickel	0.000639	0.00063	0.00426	umoles/g	102		80-120		
	U	9							
Silver	0.000440	0.00044	0.00116	umoles/g	85		80-120		
	U	0							
Zinc	0.00292 J	0.00099	0.00765	umoles/g	105		80-120		
		5							
Batch number: 14303163001A Sample number(s): 7654865-7654872									
Acid Volatile Sulfide	0.63 U	0.63	2.0	umoles/g	48		40-95		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143044792001 Sample number(s): 7654865-7654872 UNSPK: 7654867 BKG: 7654867									
Cadmium	88	90	75-125	2	20	0.000071 U	0.000113 J	200* (1)	20
Copper	95	89	75-125	5	20	0.00974	0.0156	46* (1)	20
Lead	89	92	75-125	2	20	0.00569	0.00525	8 (1)	20
Mercury	24*	23*	80-120	5	20	0.0000073 U	0.0000073 U	0 (1)	20
Nickel	111	89	75-125	21*	20	0.0117	0.0517	126* (1)	20
Silver	75	75	75-125	0	20	0.000821 J	0.000745 J	10 (1)	20
Zinc	93	95	75-125	1	20	0.0534	0.0500	7	20
Batch number: 14303163001A Sample number(s): 7654865-7654872 UNSPK: 7654867 BKG: 7654867									
Acid Volatile Sulfide	44	43	37-119	3	20	0.63 U	0.63 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/06/14 at 11:25 AM

Group Number: 1514576

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 10/23/2014 9:40
 Number of Packages: 3 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): HCL (6) UNPRES (2)

Unpacked by Corey Eshleman (3647) at 10:49 on 10/23/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	8013596-IR	0.2	IR	Wet	Y	Loose	N
2	DT121	0.5	DT	Wet	Y	Loose	N
3	DT131	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 12, 2014

Project: BRE - SED SW PW

Submittal Date: 10/31/2014

Group Number: 1515154

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-PW-05 Pore Water
SSP14-PW-05-A Pore Water
SSP14-PW-06 Pore Water
SSP14-PW-06-A Pore Water
SSP14-PW-07 Pore Water
SSP14-PW-07-A Pore Water
SSP14-PW-27 Pore Water
SSP14-PW-27-A Pore Water
EB-103014 Blank Water
EB-103014-A Blank Water
TB-103014-2 Blank Water
TB-103014-A-2 Blank Water

Lancaster Labs (LL)

7657519
7657520
7657521
7657522
7657523
7657524
7657525
7657526
7657527
7657528
7657529
7657530

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-PW-05 Pore Water
SED SW PW 2014

LL Sample # WW 7657519
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Detection	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.3	J	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	J	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	J	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-05 Pore Water
SED SW PW 2014

LL Sample # WW 7657519
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.83		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	5 J		1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 05:01	Kevin A Sposito	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 23:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 23:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:01	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 15:52	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-05-A Pore Water
SED SW PW 2014

LL Sample # WW 7657520
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

14P5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 11:55	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 11:55	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-06 Pore Water
SED SW PW 2014

LL Sample # WW 7657521
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-06 Pore Water
SED SW PW 2014

LL Sample # WW 7657521
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 05:23	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 23:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 23:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:23	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 16:19	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-06-A Pore Water
SED SW PW 2014

LL Sample # WW 7657522
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P6A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 12:19	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 12:19	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-07 Pore Water
SED SW PW 2014

LL Sample # WW 7657523
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-07 Pore Water
SED SW PW 2014

LL Sample # WW 7657523
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 05:45	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 00:02	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 00:02	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:45	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 16:47	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-07-A Pore Water
SED SW PW 2014

LL Sample # WW 7657524
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 12:42	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 12:42	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-27 Pore Water
SED SW PW 2014

LL Sample # WW 7657525
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-27 Pore Water
SED SW PW 2014

LL Sample # WW 7657525
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14P27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:08	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 00:23	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 00:23	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:08	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 17:14	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-27-A Pore Water
SED SW PW 2014

LL Sample # WW 7657526
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

1427A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:06	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:06	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-103014 Blank Water**
SED SW PW 2014

LL Sample # **WW 7657527**
LL Group # **1515154**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/30/2014 15:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14PEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-103014 Blank Water**
SED SW PW 2014

LL Sample # **WW 7657527**
LL Group # **1515154**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/30/2014 15:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14PEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 00:07	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 20:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 20:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 00:07	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 17:41	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-103014-A Blank Water**
SED SW PW 2014

LL Sample # **WW 7657528**
LL Group # **1515154**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/30/2014 15:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14EBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 16:15	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 16:15	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657529
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

14PTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657529
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

14PTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 00:30	Kevin A Sposito	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 20:40	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 20:40	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 00:30	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-A-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657530
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:55

14TBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 16:38	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 16:38	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:55 PM

Group Number: 1515154

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529								
Acetone	3.0	U	3.0	5.0	ug/l	89	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99	72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	108	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	110	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	109	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:55 PM

Group Number: 1515154

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		
Batch number: E143071AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	102		70-130		
Batch number: W143061AA	Sample number(s): 7657520,7657522,7657524,7657526,7657528,7657530								
Acrolein	40 U	40.	100	ug/l	96		59-120		
Acrylonitrile	4 U	4.	20	ug/l	75		62-120		
Batch number: 14309WAI026	Sample number(s): 7657519,7657521,7657523,7657525,7657527								
1,4-Dioxane	1 U	1.	5	ug/l	66		39-83		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529 UNSPK: P658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:55 PM

Group Number: 1515154

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropene	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				

Batch number: E143071AA Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529 UNSPK: P658000
Vinyl Chloride 113 120 70-130 6 30

Batch number: W143061AA Sample number(s): 7657520,7657522,7657524,7657526,7657528,7657530 UNSPK: P658008
Acrolein 104 105 39-136 1 30
Acrylonitrile 73 75 51-125 3 30

Batch number: 14309WAI026 Sample number(s): 7657519,7657521,7657523,7657525,7657527 UNSPK: P658000
1,4-Dioxane 66 66 48-83 1 30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles

Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657519	103	102	98	101
7657521	104	102	98	97
7657523	104	102	96	97

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:55 PM

Group Number: 1515154

Surrogate Quality Control

7657525	105	105	98	96
7657527	102	103	97	97
7657529	103	103	97	97
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA
Dibromofluoromethane

7657519	110
7657521	108
7657523	109
7657525	108
7657527	108
7657529	109
Blank	102
LCS	108
MS	108
MSD	108
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657520	99	97	97	95
7657522	102	99	95	93
7657524	102	100	96	94
7657526	103	100	96	93
7657528	104	103	95	93
7657530	104	101	95	93
Blank	100	99	97	95
LCS	101	99	100	99
MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,4-Dioxane
Batch number: 14309WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657519	84	99	121
7657521	84	98	122
7657523	84	95	116
7657525	88	103	122
7657527	83	96	65
Blank	82	98	133
LCS	83	94	102
MS	84	100	116
MSD	80	95	120
Limits:	60-123	67-116	40-147

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 151514 Sample Nos.: 7657519-30

Acc't: 06643 SF: 217503 SCR No.: 162828

Cooler No.: _____

30347

Cooler Temperature upon receipt: 0.4 °C

Container No.: 3

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required												Comments: 3 day holding time for acrolein and acrylonitrile				
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379																				
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681				APPIX Volatiles (8260) Vinyl Chloride (8260 SIM) Acrolein/Acrylonitrile (8260)*												Pore Water				
1300 Staton Road				Release No.:																				
Cedar Mountain NC 28718				PO Number: LBIO-66380																				
Sampler(s): <u>MGC, HL</u>				Project Name: SED SW PW 2014																Condition upon receipt:				
Sample Identification				Date Collected	Time Collected	Matrix	Containers																	
				Volume (ml)	Preserv	No.																		
<u>TB-103014-2</u>				<u>10/30/14</u>	<u>1000</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>2</u>	<u>4</u>	<u>X</u>	<u>X</u>											<u>Intact</u>	
<u>TB-103014 -A-2</u>				<u>10/30/14</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>10/28/14</u>	<u>3</u>			<u>X</u>											<u>↓</u>

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions: <u>*3 Day Holding Time</u>			
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
<u>[Signature]</u>		<u>10/30/14</u>	<u>1830</u>	<u>[Signature]</u>		<u>10/28/14</u>	<u>1200</u>
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
<u>[Signature]</u>		<u>10/30/14</u>	<u>1830</u>	<u>[Signature]</u>			
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
<u>[Signature]</u>				<u>[Signature]</u>			
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:
<u>[Signature]</u>				<u>[Signature]</u>		<u>10/31/14</u>	<u>0825</u>

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 10/31/2014 9:25
 Number of Packages: 4 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED
EMPTY

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 04, 2014

Project: BRE - SED SW PW

Submittal Date: 10/24/2014

Group Number: 1513607

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

EB-102214 Blank Water
TB-102214-1 Blank Water

Lancaster Labs (LL) #

7649685
7649686

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: **EB-102214 Blank Water**
SED SW PW 2014

LL Sample # **WW 7649685**
LL Group # **1513607**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/04/2014 08:45

BREB1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102214 Blank Water**
SED SW PW 2014

LL Sample # **WW 7649685**
LL Group # **1513607**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/04/2014 08:45

BREB1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	Benzyl alcohol	100-51-6	10	U	10	20	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	Chlorobenzilate	510-15-6	3	U	3	10	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102214 Blank Water**
SED SW PW 2014

LL Sample # **WW 7649685**
LL Group # **1513607**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/04/2014 08:45

BREB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846 8270D		ug/l	ug/l	ug/l	
10461	2,4-Dimethylphenol	105-67-9	0.5 U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2 U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5 U	5	15	1
10461	1,3-Dinitrobenzene	99-65-0	2 U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10 U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1 U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5 U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	5	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5 U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2 U	2	5	1
10461	Fluoranthene	206-44-0	0.1 U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1 U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1 U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5 U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5 U	5	15	1
10461	Hexachloroethane	67-72-1	1 U	1	5	1
10461	Hexachloropropene	1888-71-7	2 U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1 U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5 U	0.5	1	1
10461	Isophorone	78-59-1	0.5 U	0.5	1	1
10461	Isosafrole	120-58-1	2 U	2	5	1
10461	Methapyrilene	91-80-5	15 U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10461	Methyl methanesulfonate	66-27-3	1 U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5 U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1 U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5 U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5 U	0.5	1	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	Naphthalene	91-20-3	0.1 U	0.1	0.5	1
10461	1,4-Naphthoquinone	130-15-4	25 U	25	61	1
10461	1-Naphthylamine	134-32-7	5 U	5	15	1
10461	2-Naphthylamine	91-59-8	5 U	5	15	1
10461	2-Nitroaniline	88-74-4	0.5 U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5 U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5 U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5 U	0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	0.5 U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5 U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10 U	10	30	1
10461	4-Nitroquinoline-1-oxide	56-57-5	20 U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5 U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2 U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2 U	2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5 U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102214 Blank Water**
SED SW PW 2014

LL Sample # **WW 7649685**
LL Group # **1513607**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

BREB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	N-Nitrosomethylethylamine	10595-95-6	2 U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2 U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5 U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5 U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2 U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5 U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2 U	2	5	1
10461	Pentachlorophenol	87-86-5	1 U	1	5	1
10461	Phenacetin	62-44-2	0.5 U	0.5	1	1
10461	Phenanthrene	85-01-8	0.1 U	0.1	0.5	1
10461	Phenol	108-95-2	0.5 U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76 U	76	300	1
10461	2-Picoline	109-06-8	2 U	2	5	1
10461	Pronamide	23950-58-5	0.5 U	0.5	1	1
10461	Pyrene	129-00-0	0.1 U	0.1	0.5	1
10461	Pyridine	110-86-1	2 U	2	5	1
10461	Safrole	94-59-7	2 U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5 U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5 U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1 U	1	5	1
10461	Thionazin	297-97-2	2 U	2	5	1
10461	o-Toluidine	95-53-4	0.5 U	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5 U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5 U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5 U	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	2 U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5 U	5	15	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted and the QC is again outside of the acceptance limits. The data is reported from the initial trial.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.00033 U	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07049	Cadmium	7440-43-9	0.00033 U	0.00033
07051	Chromium	7440-47-3	0.0013 U	0.0013
07052	Cobalt	7440-48-4	0.0010 U	0.0010
07053	Copper	7440-50-8	0.0028 U	0.0028

*=This limit was used in the evaluation of the final result

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

BREB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0011 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0043 J		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06035	Lead	7439-92-1	0.00010 J		0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U		0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
		EPA 300.0	mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.050 U		0.050	0.10	1
01506	Nitrite Nitrogen	14797-65-0	0.050 U		0.050	0.10	1
SW-846 9060A							
			mg/l		mg/l	mg/l	
00354	Total Organic Carbon (Quad)	n.a.	0.50 U		0.50	1.0	1
	The reported result is the average of the following trials:						
	0	mg/l					
	0	mg/l					
	0	mg/l					
	0	mg/l					

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143002AA	10/27/2014 17:28	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143002AA	10/27/2014 17:28	Angela D Sneeringer	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14298WAC026	10/26/2014 23:49	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/04/2014 08:45

BREB1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 22:50	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07049	Cadmium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06041	Selenium	SW-846 6020A	1	143000639001B	10/28/2014 18:44	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:54	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 18:02	Clinton M Wilson	1
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 18:02	Clinton M Wilson	1
00354	Total Organic Carbon (Quad)	SW-846 9060A	1	14308049501A	11/04/2014 00:02	James S Mathiot	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649686
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

BRTB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649686
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/04/2014 08:45

BRTB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U		1	5	1
10335	Vinyl Acetate	108-05-4	2 U		2	10	1
10335	Vinyl Chloride	75-01-4	0.5 U		0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5 U		0.5	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143002AA	10/27/2014 17:49	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143002AA	10/27/2014 17:49	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: Y143002AA										
Sample number(s): 7649685-7649686										
Acetone	6	U	6.	20	ug/l	74	75	55-129	2	30
Acetonitrile	25	U	25.	100	ug/l	112	110	49-163	2	30
Acrolein	40	U	40.	100	ug/l	95	95	59-120	0	30
Acrylonitrile	4	U	4.	20	ug/l	76	74	62-120	3	30
Allyl Chloride	1	U	1.	5	ug/l	121*	116	56-120	4	30
Benzene	0.5	U	0.5	1	ug/l	112	110	78-120	1	30
Bromodichloromethane	0.5	U	0.5	1	ug/l	107	103	73-120	4	30
Bromoform	0.5	U	0.5	4	ug/l	96	92	61-120	4	30
Bromomethane	0.5	U	0.5	1	ug/l	72	71	53-130	1	30
2-Butanone	3	U	3.	10	ug/l	82	81	54-133	2	30
Carbon Disulfide	1	U	1.	5	ug/l	113	110	58-126	3	30
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	118	115	74-130	3	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/l	117	113	73-120	4	30
Chlorobenzene	0.5	U	0.5	1	ug/l	103	101	80-120	2	30
Chloroethane	0.5	U	0.5	1	ug/l	76	74	56-120	3	30
Chloroform	0.5	U	0.5	1	ug/l	111	109	80-122	2	30
Chloromethane	0.5	U	0.5	1	ug/l	101	100	63-120	1	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	70	67	56-120	5	30
Dibromochloromethane	0.5	U	0.5	1	ug/l	107	104	72-120	3	30
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	101	99	80-120	2	30
Dibromomethane	0.5	U	0.5	1	ug/l	98	97	80-120	1	30
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	102	98	47-139	4	30
Dichlorodifluoromethane	0.5	U	0.5	1	ug/l	105	103	55-127	2	30
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	119	116	80-120	3	30
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	111	109	65-135	2	30
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	117	114	76-124	2	30
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	113	110	80-120	3	30
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	114	112	80-120	1	30
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	110	108	80-120	2	30
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	105	103	80-120	1	30
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	105	103	76-120	2	30
Ethyl Methacrylate	1	U	1.	5	ug/l	90	87	73-120	3	30
Ethylbenzene	0.5	U	0.5	1	ug/l	103	102	79-120	1	30
2-Hexanone	3	U	3.	10	ug/l	67	66	57-127	2	30
Isobutyl Alcohol	100	U	100.	250	ug/l	95	95	63-134	0	30
Methacrylonitrile	10	U	10.	50	ug/l	91	88	75-120	3	30
Methyl Iodide	0.5	U	0.5	1	ug/l	114	112	75-128	2	30
Methyl Methacrylate	1	U	1.	5	ug/l	88	87	71-120	2	30
4-Methyl-2-pentanone	3	U	3.	10	ug/l	70	68	51-124	2	30
Methylene Chloride	2	U	2.	4	ug/l	111	110	80-120	1	30
Pentachloroethane	1	U	1.	5	ug/l	103	95	74-120	9	30
Propionitrile	30	U	30.	100	ug/l	102	102	73-133	0	30

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1 U	1.	5	ug/l	100	98	80-120	2	30
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	106	103	80-120	3	30
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	86	83	70-120	3	30
Tetrachloroethene	0.5 U	0.5	1	ug/l	110	114	80-120	3	30
Toluene	0.5 U	0.5	1	ug/l	108	107	80-120	1	30
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	96	95	66-126	1	30
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	99	98	80-120	1	30
Trichloroethene	0.5 U	0.5	1	ug/l	110	110	80-120	1	30
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	100	99	58-135	1	30
1,2,3-Trichloropropane	1 U	1.	5	ug/l	86	85	76-120	1	30
Vinyl Acetate	2 U	2.	10	ug/l	120	120	56-135	0	30
Vinyl Chloride	0.5 U	0.5	1	ug/l	96	94	63-120	2	30
Xylene (Total)	0.5 U	0.5	1	ug/l	103	102	80-120	1	30

Batch number: 14298WAC026

Sample number(s): 7649685

Acenaphthene	0.1 U	0.1	0.5	ug/l	101		80-112		
Acenaphthylene	0.1 U	0.1	0.5	ug/l	113		84-125		
Acetophenone	0.5 U	0.5	1	ug/l	99		78-112		
2-Acetylaminofluorene	2 U	2.	5	ug/l	104		78-131		
4-Aminobiphenyl	0.5 U	0.5	1	ug/l	71		34-95		
Aniline	0.5 U	0.5	1	ug/l	68		34-97		
Anthracene	0.1 U	0.1	0.5	ug/l	102		82-116		
Benzo(a)anthracene	0.1 U	0.1	0.5	ug/l	105		81-126		
Benzo(a)pyrene	0.1 U	0.1	0.5	ug/l	105		82-116		
Benzo(b)fluoranthene	0.1 U	0.1	0.5	ug/l	108		82-121		
Benzo(g,h,i)perylene	0.1 U	0.1	0.5	ug/l	103		76-128		
Benzo(k)fluoranthene	0.1 U	0.1	0.5	ug/l	106		81-122		
Benzyl alcohol	10 U	10.	20	ug/l	93		58-122		
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	97		56-134		
4-Bromophenyl-phenylether	0.5 U	0.5	1	ug/l	104		82-118		
Butylbenzylphthalate	2 U	2.	5	ug/l	95		73-122		
Di-n-butylphthalate	2 U	2.	5	ug/l	98		80-119		
4-Chloro-3-methylphenol	0.5 U	0.5	1	ug/l	100		78-118		
4-Chloroaniline	0.5 U	0.5	1	ug/l	75		44-114		
Chlorobenzilate	3 U	3.	10	ug/l	85		38-149		
bis(2-Chloroethoxy)methane	0.5 U	0.5	1	ug/l	105		77-115		
bis(2-Chloroethyl)ether	0.5 U	0.5	1	ug/l	101		78-112		
bis(2-Chloroisopropyl)ether	0.5 U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4 U	0.4	1	ug/l	84		66-125		
2-Chlorophenol	0.5 U	0.5	1	ug/l	98		76-111		
4-Chlorophenyl-phenylether	0.5 U	0.5	1	ug/l	105		78-119		
Chrysene	0.1 U	0.1	0.5	ug/l	108		81-120		
Diallate trans/cis	1 U	1.	5	ug/l	109		80-126		
Dibenz(a,h)anthracene	0.1 U	0.1	0.5	ug/l	102		80-130		
Dibenzofuran	0.5 U	0.5	1	ug/l	101		81-110		
1,2-Dichlorobenzene	0.5 U	0.5	1	ug/l	92		62-116		
1,3-Dichlorobenzene	0.5 U	0.5	1	ug/l	90		57-115		
1,4-Dichlorobenzene	0.5 U	0.5	1	ug/l	91		60-115		
3,3'-Dichlorobenzidine	2 U	2.	5	ug/l	88		39-111		
2,4-Dichlorophenol	0.5 U	0.5	1	ug/l	100		84-119		
2,6-Dichlorophenol	0.5 U	0.5	1	ug/l	103		83-121		
Diethylphthalate	2 U	2.	5	ug/l	99		70-118		
Dimethoate	3 U	3.	10	ug/l	61		10-116		
p-Dimethylaminoazobenzene	0.5 U	0.5	1	ug/l	106		76-120		
3,3'-Dimethylbenzidine	25 U	25.	75	ug/l	36		10-76		
7,12-Dimethylbenz[a]anthracene	0.5 U	0.5	1	ug/l	88		58-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,4-Dimethylphenol	0.5 U	0.5	1	ug/l	94		75-110		
Dimethylphthalate	2 U	2.	5	ug/l	89		43-128		
4,6-Dinitro-2-methylphenol	5 U	5.	15	ug/l	91		63-131		
1,3-Dinitrobenzene	2 U	2.	5	ug/l	101		80-124		
2,4-Dinitrophenol	10 U	10.	30	ug/l	79		39-130		
2,4-Dinitrotoluene	1 U	1.	5	ug/l	109		84-126		
2,6-Dinitrotoluene	0.5 U	0.5	1	ug/l	109		81-124		
1,4-Dioxane	1 U	1.	5	ug/l	67		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	95		77-113		
Ethyl methanesulfonate	0.5 U	0.5	1	ug/l	101		77-113		
bis(2-Ethylhexyl)phthalate	2 U	2.	5	ug/l	102		78-124		
Fluoranthene	0.1 U	0.1	0.5	ug/l	102		82-121		
Fluorene	0.1 U	0.1	0.5	ug/l	107		80-117		
Hexachlorobenzene	0.1 U	0.1	0.5	ug/l	102		80-119		
Hexachlorobutadiene	0.5 U	0.5	1	ug/l	84		55-124		
Hexachlorocyclopentadiene	5 U	5.	15	ug/l	61		18-130		
Hexachloroethane	1 U	1.	5	ug/l	86		55-109		
Hexachloropropene	2 U	2.	5	ug/l	73		47-121		
Indeno(1,2,3-cd)pyrene	0.1 U	0.1	0.5	ug/l	102		80-126		
Isodrin	0.5 U	0.5	1	ug/l	99		83-119		
Isophorone	0.5 U	0.5	1	ug/l	108		81-124		
Isosafrole	2 U	2.	5	ug/l	113		68-150		
Methapyrilene	15 U	15.	50	ug/l	126		70-130		
Methyl methanesulfonate	1 U	1.	5	ug/l	91		42-112		
3-Methylcholanthrene	0.5 U	0.5	1	ug/l	101		84-117		
2-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	94		75-106		
2-Methylphenol	0.5 U	0.5	1	ug/l	96		72-111		
4-Methylphenol	0.5 U	0.5	1	ug/l	98		56-109		
Naphthalene	0.1 U	0.1	0.5	ug/l	98		75-108		
1,4-Naphthoquinone	25 U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5 U	5.	15	ug/l	48		10-92		
2-Naphthylamine	5 U	5.	15	ug/l	55		17-87		
5-Nitro-o-toluidine	0.5 U	0.5	1	ug/l	74		35-103		
2-Nitroaniline	0.5 U	0.5	1	ug/l	107		84-122		
3-Nitroaniline	0.5 U	0.5	1	ug/l	82		61-117		
4-Nitroaniline	0.5 U	0.5	1	ug/l	89		66-110		
Nitrobenzene	0.5 U	0.5	1	ug/l	100		77-119		
2-Nitrophenol	0.5 U	0.5	1	ug/l	102		82-121		
4-Nitrophenol	10 U	10.	30	ug/l	66		20-89		
4-Nitroquinoline-1-oxide	20 U	20.	60	ug/l	69		48-128		
N-Nitroso-di-n-propylamine	0.5 U	0.5	1	ug/l	96		71-117		
N-Nitrosodi-n-butylamine	2 U	2.	5	ug/l	100		74-114		
N-Nitrosodiethylamine	0.5 U	0.5	1	ug/l	103		79-116		
N-Nitrosodimethylamine	2 U	2.	5	ug/l	73		38-98		
N-Nitrosodiphenylamine	0.5 U	0.5	1	ug/l	98		80-115		
N-Nitrosomethylethylamine	2 U	2.	5	ug/l	97		72-115		
N-Nitrosomorpholine	2 U	2.	5	ug/l	92		69-116		
N-Nitrosopiperidine	0.5 U	0.5	1	ug/l	103		85-113		
N-Nitrosopyrrolidine	0.5 U	0.5	1	ug/l	105		75-117		
Di-n-octylphthalate	2 U	2.	5	ug/l	108		78-129		
Pentachlorobenzene	0.5 U	0.5	1	ug/l	102		80-119		
Pentachloronitrobenzene	2 U	2.	5	ug/l	103		84-135		
Pentachlorophenol	1 U	1.	5	ug/l	76		60-130		
Phenacetin	0.5 U	0.5	1	ug/l	101		81-120		
Phenanthrene	0.1 U	0.1	0.5	ug/l	98		81-114		
Phenol	0.5 U	0.5	1	ug/l	60		25-80		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,4-Phenylenediamine	75 U	75.	300	ug/l					
2-Picoline	2 U	2.	5	ug/l	91		57-110		
Pronamide	0.5 U	0.5	1	ug/l	105		78-125		
Pyrene	0.1 U	0.1	0.5	ug/l	98		81-112		
Pyridine	2 U	2.	5	ug/l	67		22-96		
Safrole	2 U	2.	5	ug/l	99		81-117		
1,2,4,5-Tetrachlorobenzene	0.5 U	0.5	1	ug/l	92		77-113		
2,3,4,6-Tetrachlorophenol	0.5 U	0.5	1	ug/l	97		76-128		
Tetraethyldithiopyrophosphate	1 U	1.	5	ug/l	97		75-114		
Thionazin	2 U	2.	5	ug/l	102		68-116		
o-Toluidine	0.5 U	0.5	1	ug/l	56		17-99		
1,2,4-Trichlorobenzene	0.5 U	0.5	1	ug/l	94		68-116		
2,4,5-Trichlorophenol	0.5 U	0.5	1	ug/l	101		81-121		
2,4,6-Trichlorophenol	0.5 U	0.5	1	ug/l	95		84-119		
O,O,O-Triethylphosphorothioate	2 U	2.	5	ug/l	101		81-121		
1,3,5-Trinitrobenzene	5 U	5.	15	ug/l	56		12-129		
Batch number: 143000009A Sample number(s): 7649685									
Diethylene glycol	8.0 U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	92		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	91		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	81		46-118		
Batch number: 143000636001 Sample number(s): 7649685									
Barium	0.0010 J	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	103		80-120		
Cadmium	0.00033 U	0.00033	0.0100	mg/l	104		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	105		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	103		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.0027 J	0.00083	0.0100	mg/l	104		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	100		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	102		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0053 J	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143000639001A Sample number(s): 7649685									
Antimony	0.00033 U	0.00033	0.0020	mg/l	100		87-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	98		86-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	102		90-110		
Thallium	0.00015 U	0.00015	0.0010	mg/l	104		90-115		
Batch number: 143000639001B Sample number(s): 7649685									
Selenium	0.00050 U	0.00050	0.0040	mg/l	104		90-114		
Batch number: 143005713003 Sample number(s): 7649685									
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
Batch number: 14297987131A Sample number(s): 7649685									
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	104	103	90-110	1	20
Nitrite Nitrogen	0.050 U	0.050	0.10	mg/l	101	101	90-110	0	20

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14308049501A	Sample number(s): 7649685								
Total Organic Carbon (Quad)	0.50	U	0.50	1.0	mg/l	97	91-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y143002AA	Sample number(s): 7649685-7649686 BKG: P650395								
Acetone	6	U	6	U	0 (1)	30			
Acetonitrile	25	U	25	U	0 (1)	30			
Acrolein	40	U	40	U	0 (1)	30			
Acrylonitrile	4	U	4	U	0 (1)	30			
Allyl Chloride	1	U	1	U	0 (1)	30			
Benzene	0.5	U	0.5	U	0 (1)	30			
Bromodichloromethane	0.5	U	0.5	U	0 (1)	30			
Bromoform	0.5	U	0.5	U	0 (1)	30			
Bromomethane	0.5	U	0.5	U	0 (1)	30			
2-Butanone	3	U	3	U	0 (1)	30			
Carbon Disulfide	1	U	1	U	0 (1)	30			
Carbon Tetrachloride	0.6	J	0.6	J	3 (1)	30			
2-Chloro-1,3-butadiene	1	U	1	U	0 (1)	30			
Chlorobenzene	0.5	U	0.5	U	0 (1)	30			
Chloroethane	0.5	U	0.5	U	0 (1)	30			
Chloroform	1	U	1	U	0 (1)	30			
Chloromethane	0.5	U	0.5	U	0 (1)	30			
1,2-Dibromo-3-chloropropane	2	U	2	U	0 (1)	30			
Dibromochloromethane	0.5	U	0.5	U	0 (1)	30			
1,2-Dibromoethane	0.5	U	0.5	U	0 (1)	30			
Dibromomethane	0.5	U	0.5	U	0 (1)	30			
trans-1,4-Dichloro-2-butene	15	U	15	U	0 (1)	30			
Dichlorodifluoromethane	0.5	U	0.5	U	0 (1)	30			
1,1-Dichloroethane	0.5	U	0.5	U	0 (1)	30			
1,2-Dichloroethane	0.5	U	0.5	U	0 (1)	30			
1,1-Dichloroethene	0.5	U	0.5	U	0 (1)	30			
cis-1,2-Dichloroethene	0.5	U	0.5	U	0 (1)	30			
trans-1,2-Dichloroethene	0.5	U	0.5	U	0 (1)	30			
1,2-Dichloropropane	0.5	U	0.5	U	0 (1)	30			
cis-1,3-Dichloropropene	0.5	U	0.5	U	0 (1)	30			
trans-1,3-Dichloropropene	0.5	U	0.5	U	0 (1)	30			
Ethyl Methacrylate	1	U	1	U	0 (1)	30			
Ethylbenzene	0.5	U	0.5	U	0 (1)	30			
2-Hexanone	3	U	3	U	0 (1)	30			
Isobutyl Alcohol	100	U	100	U	0 (1)	30			
Methacrylonitrile	10	U	10	U	0 (1)	30			
Methyl Iodide	0.5	U	0.5	U	0 (1)	30			
Methyl Methacrylate	1	U	1	U	0 (1)	30			
4-Methyl-2-pentanone	3	U	3	U	0 (1)	30			
Methylene Chloride	2	U	2	U	0 (1)	30			
Pentachloroethane	1	U	1	U	0 (1)	30			
Propionitrile	30	U	30	U	0 (1)	30			

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>		<u>DUP</u> <u>Conc</u>		<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Styrene						1	U	1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
Tetrachloroethene						0.5	U	0.5	U	0 (1)	30
Toluene						0.5	U	0.5	U	0 (1)	30
1,1,1-Trichloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2-Trichloroethane						0.5	U	0.5	U	0 (1)	30
Trichloroethene						54		53		2	30
Trichlorofluoromethane						0.5	U	0.5	U	0 (1)	30
1,2,3-Trichloropropane						1	U	1	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.5	U	0.5	U	0 (1)	30
Xylene (Total)						0.5	U	0.5	U	0 (1)	30

Batch number: 14298WAC026	Sample number(s): 7649685	UNSPK: P649697			
Acenaphthene	99	103	74-119	3	30
Acenaphthylene	111	114	86-121	2	30
Acetophenone	97	101	77-114	4	30
2-Acetylaminofluorene	101	107	79-137	6	30
4-Aminobiphenyl	67	70	10-91	5	30
Aniline	64	66	22-103	2	30
Anthracene	99	103	78-114	4	30
Benzo(a)anthracene	102	107	77-122	5	30
Benzo(a)pyrene	100	103	73-125	2	30
Benzo(b)fluoranthene	104	105	73-126	1	30
Benzo(g,h,i)perylene	99	99	66-134	0	30
Benzo(k)fluoranthene	99	103	72-122	3	30
Benzyl alcohol	92	97	62-101	4	30
1,1'-Biphenyl	96	99	73-114	3	30
4-Bromophenyl-phenylether	102	105	76-124	2	30
Butylbenzylphthalate	94	100	76-124	6	30
Di-n-butylphthalate	95	100	79-118	4	30
4-Chloro-3-methylphenol	84	90	19-155	6	30
4-Chloroaniline	70	70	34-122	0	30
Chlorobenzilate	87	100	63-146	13	30
bis(2-Chloroethoxy)methane	101	104	73-115	2	30
bis(2-Chloroethyl)ether	100	103	77-113	3	30
bis(2-Chloroisopropyl)ether	86	90	61-116	4	30
2-Chloronaphthalene	88	91	64-134	3	30
2-Chlorophenol	87	91	27-146	4	30
4-Chlorophenyl-phenylether	101	104	73-117	3	30
Chrysene	104	110	78-128	5	30
Diallate trans/cis	106	109	75-130	3	30
Dibenz(a,h)anthracene	101	102	72-132	1	30
Dibenzofuran	99	103	71-116	3	30
1,2-Dichlorobenzene	92	96	76-107	4	30
1,3-Dichlorobenzene	89	93	68-107	5	30
1,4-Dichlorobenzene	90	96	59-115	5	30
3,3'-Dichlorobenzidine	76	89	16-128	16	30
2,4-Dichlorophenol	85	91	31-147	6	30
2,6-Dichlorophenol	88	95	75-116	7	30
Diethylphthalate	97	100	69-118	2	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dimethoate	63	75	10-112	16	30				
p-Dimethylaminoazobenzene	106	113	82-132	6	30				
3,3'-Dimethylbenzidine	25	33	25-83	25	30				
7,12-Dimethylbenz[a]anthracene	87	88	58-124	2	30				
2,4-Dimethylphenol	66	72	40-133	8	30				
Dimethylphthalate	91	96	54-125	5	30				
4,6-Dinitro-2-methylphenol	87	96	36-151	9	30				
1,3-Dinitrobenzene	99	103	82-122	4	30				
2,4-Dinitrophenol	71	78	20-168	10	30				
2,4-Dinitrotoluene	105	108	72-133	2	30				
2,6-Dinitrotoluene	107	110	79-127	3	30				
1,4-Dioxane	67	68	48-83	2	30				
Diphenyl ether	94	98	81-105	3	30				
Ethyl methanesulfonate	99	104	81-112	4	30				
bis(2-Ethylhexyl)phthalate	101	104	73-129	2	30				
Fluoranthene	99	102	78-122	2	30				
Fluorene	103	108	77-122	4	30				
Hexachlorobenzene	98	105	72-124	6	30				
Hexachlorobutadiene	85	91	53-126	6	30				
Hexachlorocyclopentadiene	91	101	26-142	10	30				
Hexachloroethane	87	93	50-119	6	30				
Hexachloropropene	83	80	67-132	4	30				
Indeno(1,2,3-cd)pyrene	99	98	69-129	1	30				
Isodrin	95	101	67-136	5	30				
Isophorone	106	110	67-139	4	30				
Isosafrole	102	107*	74-104	4	30				
Methapyrilene	138*	121	70-130	13	30				
Methyl methanesulfonate	91	95*	37-93	4	30				
3-Methylcholanthrene	98	102	80-117	4	30				
2-Methylnaphthalene	91	95	65-120	4	30				
2-Methylphenol	71	76	26-135	7	30				
4-Methylphenol	74	79	13-128	6	30				
Naphthalene	96	99	68-118	3	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	46	45	10-110	1	30				
2-Naphthylamine	56	52	10-101	7	30				
5-Nitro-o-toluidine	75	72	34-112	5	30				
2-Nitroaniline	105	109	76-132	3	30				
3-Nitroaniline	80	81	49-124	1	30				
4-Nitroaniline	87	88	43-126	0	30				
Nitrobenzene	98	102	69-127	4	30				
2-Nitrophenol	100	105	53-147	5	30				
4-Nitrophenol	64	65	10-116	1	30				
4-Nitroquinoline-1-oxide	66	73	50-120	9	30				
N-Nitroso-di-n-propylamine	96	101	70-123	5	30				
N-Nitrosodi-n-butylamine	99	103	65-111	4	30				
N-Nitrosodiethylamine	103*	108*	80-102	4	30				
N-Nitrosodimethylamine	73	76	37-80	4	30				
N-Nitrosodiphenylamine	97	100	75-124	3	30				
N-Nitrosomethylethylamine	98	102	72-115	4	30				
N-Nitrosomorpholine	93	97	71-115	4	30				
N-Nitrosopiperidine	101	106	84-117	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
N-Nitrosopyrrolidine	105	110	72-120	4	30				
Di-n-octylphthalate	104	107	71-137	2	30				
Pentachlorobenzene	98	102	82-119	3	30				
Pentachloronitrobenzene	102	107	82-116	5	30				
Pentachlorophenol	71	80	23-133	12	30				
Phenacetin	99	102	67-141	3	30				
Phenanthrene	95	100	76-112	6	30				
Phenol	52	55	10-107	5	30				
2-Picoline	92	91	44-96	2	30				
Pronamide	102	106	82-131	3	30				
Pyrene	96	100	79-111	4	30				
Pyridine	70	70	12-94	1	30				
Safrole	96	100	86-107	4	30				
1,2,4,5-Tetrachlorobenzene	90	94	79-114	3	30				
2,3,4,6-Tetrachlorophenol	86	93	56-131	8	30				
Tetraethyldithiopyrophosphate	99	102	77-120	3	30				
Thionazin	100	103	72-117	2	30				
o-Toluidine	51	53	10-106	5	30				
1,2,4-Trichlorobenzene	92	96	68-119	4	30				
2,4,5-Trichlorophenol	93	99	37-148	6	30				
2,4,6-Trichlorophenol	80	86	19-162	7	30				
O,O,O-Triethylphosphorothioate	98	102	75-128	3	30				
1,3,5-Trinitrobenzene	57	62	35-129	9	30				

Batch number: 143000009A Sample number(s): 7649685 UNSPK: P649787

Diethylene glycol	106	83	52-122	24*	20				
Ethylene glycol	114	89	54-123	25*	20				
Propylene glycol	114	88	55-131	25*	20				
Triethylene glycol	101	80	33-123	23*	20				

Batch number: 143000636001 Sample number(s): 7649685 UNSPK: P649787 BKG: P649787

Barium	103	103	75-125	0	20	0.0066 J	0.0067 J	1 (1)	20
Beryllium	103	104	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Cadmium	103	104	75-125	1	20	0.00033 U	0.00033 U	0 (1)	20
Chromium	102	103	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	104	105	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	104	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	103	105	75-125	1	20	0.371 J	0.369 J	1 (1)	20
Manganese	104	104	75-125	0	20	0.0890	0.0909	2	20
Nickel	105	106	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Silver	99	99	75-125	0	20	0.0018 U	0.0018 U	0 (1)	20
Tin	101	103	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	103	103	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	104	75-125	1	20	0.0030 J	0.0036 J	16 (1)	20

Batch number: 143000639001A Sample number(s): 7649685 UNSPK: P649787 BKG: P649787

Antimony	95	118	75-125	22*	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	102	96	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Lead	101	102	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Thallium	102	109	75-125	7	20	0.00015 U	0.00015 U	0 (1)	20

Batch number: 143000639001B Sample number(s): 7649685 UNSPK: P649787 BKG: P649787

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

Group Number: 1513607

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Selenium	104	104	75-125	0	20	0.00050 U	0.00050 U	0 (1)	20
Batch number: 143005713003	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Mercury	86	91	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14297987131A	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Nitrate Nitrogen	107		90-110			0.25 U	0.25 U	0 (1)	20
Nitrite Nitrogen	108		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14308049501A	Sample number(s): 7649685 UNSPK: P657555								
Total Organic Carbon (Quad)	88	84	63-142	3	20				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: Y143002AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649685	101	100	99	91
7649686	102	101	99	90
Blank	98	98	100	94
DUP	103	102	100	90
LCS	98	99	101	97
LCSD	99	101	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14298WAC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7649685	46	68	91	89	85	95
Blank	48	71	98	93	90	111
LCS	56	76	101	95	89	103
MS	48	63	79	93	88	97
MSD	51	66	84	96	90	101
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 14300009A

	Tetramethylene glycol
7649685	89
Blank	98
LCS	85
MS	104
MSD	84
Limits:	54-136

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/04/14 at 08:45 AM

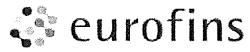
Group Number: 1513607

Surrogate Quality Control

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Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

11 of 17

For Lancaster Laboratories Use Only

Group No.: 1513607 Sample Nos.: 7649685-80

Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: 221677 **30341**

Cooler Temperature upon receipt: 2.3 °C Container No.: 7

Facility Name: Brevard		Project Manager: Tracy Obvey				Analyses Required												Comments: SEDIMENT Condition upon receipt: <u>Intact</u> ↓					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379				APPIX Volatiles (8260)																	
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																					
1300 Staton Road		Release No.:																					
Cedar Mountain NC 28718		PO Number: LBIO-66380																					
Sampler(s): <u>T. Obvey, M. Epps, K. Teague, C. Burdorf</u>		Project Name: <u>SED SW PW 2014</u>																					
Sample Identification		Date Collected	Time Collected	Matrix	Containers			APPIX															
					Volume (ml)	Preserv	No.																
EB- <u>102214</u>		<u>10/22/14</u>	<u>1920</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>3</u>	<u>X</u>															
TB- <u>102214-1</u>		<u>↓</u>	<u>1920</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>2</u>	<u>X</u>															
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions:															
Bottles Relinquished by: <u>Lisa Megawko</u>		Date: <u>10/16/14</u>		Time: <u>10:58</u>		Bottles Received by: <u>T. Obvey</u>		Date: <u>10/20/14</u>		Time: <u>1200</u>													
Bottles Relinquished by: <u>T. Obvey</u>		Date: <u>10/23/14</u>		Time: <u>1600</u>		Bottles Received by:		Date:		Time:													
Bottles Relinquished by:		Date:		Time:		Bottles Received by:		Date:		Time:													
Bottles Relinquished by:		Date:		Time:		Bottles Received by:		Date: <u>10-24-14</u>		Time: <u>930</u>													

Client: DuPont

General Comments: One of the SSP-SW-33 vials was empty.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

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Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
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4051 Ogletown Road, Suite 300
Newark DE 19713

October 31, 2014

Project: BRE - SED SW PW

Submittal Date: 10/23/2014

Group Number: 1513276

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

PPS14-SW-10 Surface Water
PPS14-SW-10-Z Filtered Surface Water
PPS14-SW-10-A Surface Water
PPS14-SW-26 Surface Water
PPS14-SW-26-Z Filtered Surface Water
TB-102114-1 Blank Water
TB-102114-2 Blank Water
TB-102114-2-A Blank Water

Lancaster Labs (LL) #

7648059
7648060
7648061
7648062
7648063
7648064
7648065
7648066

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: PPS14-SW-10 Surface Water
SED SW PW 2014

LL Sample # WW 7648059
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.4 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.2 J		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10 Surface Water
SED SW PW 2014

LL Sample # WW 7648059
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.055		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	5		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	7.2		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0073 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	2.16		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.947		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.431		0.0167	0.200	1
07058	Manganese	7439-96-5	0.510		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0073 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10 Surface Water
SED SW PW 2014

LL Sample # WW 7648059
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
	Wet Chemistry	SM 2540 D-1997	mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.00 J	2.00	6.00	1
Reporting limits were raised due to interference from the sample matrix.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 14:49	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 14:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 14:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 14:49	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/26/2014 20:38	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970032A	10/24/2014 19:54	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:42	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:30	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:30	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:30	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:30	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:30	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:45	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10 Surface Water
SED SW PW 2014

LL Sample # WW 7648059
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14300145701A	10/27/2014 09:19	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7648060
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0071 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.662	0.0334	0.400	1
07058	Manganese	7439-96-5	0.498	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0117 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:54	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7648060
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014	18:37	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014	18:37	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014	18:37	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014	18:37	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014	18:37	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014	07:47	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-10-A Surface Water
SED SW PW 2014

LL Sample # WW 7648061
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BS10A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142971AA	10/24/2014 15:24	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142971AA	10/24/2014 15:24	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-26 Surface Water
SED SW PW 2014

LL Sample # WW 7648062
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		ug/l	ug/l	1
10461	1,4-Dioxane	123-91-1	1 U		ug/l	ug/l	1
10461	Diphenyl ether	101-84-8	0.5 U		ug/l	ug/l	1
GC Miscellaneous SW-846 8015C Feb 2007 Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		mg/l	mg/l	1
12926	Ethylene glycol	107-21-1	8.0 U		mg/l	mg/l	1
12926	Propylene glycol	57-55-6	8.0 U		mg/l	mg/l	1
12926	Triethylene glycol	112-27-6	8.0 U		mg/l	mg/l	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	57.2		mg/l	mg/l	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0656		mg/l	mg/l	1
07047	Beryllium	7440-41-7	0.00067 U		mg/l	mg/l	1
01750	Calcium	7440-70-2	18.6		mg/l	mg/l	1
07051	Chromium	7440-47-3	0.0013 U		mg/l	mg/l	1
07052	Cobalt	7440-48-4	0.0010 J		mg/l	mg/l	1
07053	Copper	7440-50-8	0.0028 U		mg/l	mg/l	1
01754	Iron	7439-89-6	14.7		mg/l	mg/l	1
01757	Magnesium	7439-95-4	2.58		mg/l	mg/l	1
07058	Manganese	7439-96-5	6.88		mg/l	mg/l	10
07061	Nickel	7440-02-0	0.0016 U		mg/l	mg/l	1
07036	Selenium	7782-49-2	0.0048 U		mg/l	mg/l	1
07066	Silver	7440-22-4	0.0018 U		mg/l	mg/l	1
07069	Tin	7440-31-5	0.0024 U		mg/l	mg/l	1
07071	Vanadium	7440-62-2	0.0019 U		mg/l	mg/l	1
07072	Zinc	7440-66-6	0.0051 J		mg/l	mg/l	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		mg/l	mg/l	1
06025	Arsenic	7440-38-2	0.00082 U		mg/l	mg/l	1
06028	Cadmium	7440-43-9	0.00017 U		mg/l	mg/l	1
06035	Lead	7439-92-1	0.000082 U		mg/l	mg/l	1
06045	Thallium	7440-28-0	0.00022 J		mg/l	mg/l	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		mg/l	mg/l	1
Wet Chemistry EPA 300.0							
00368	Nitrate Nitrogen	14797-55-8	0.25 U		mg/l	mg/l	5
01506	Nitrite Nitrogen	14797-65-0	0.25 U		mg/l	mg/l	5
SM 2540 D-1997							
10457	Total Suspended Solids	n.a.	15.2		mg/l	mg/l	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-26 Surface Water
SED SW PW 2014

LL Sample # WW 7648062
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BSW26

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/26/2014 21:06	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970032A	10/24/2014 20:08	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/30/2014 02:30	Tara L Snyder	10
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:58	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:39	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:39	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:39	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:39	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:39	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:50	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297347601A	10/24/2014 06:42	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14297347601A	10/24/2014 06:42	Sandra J Miller	5
10457	Total Suspended Solids	SM 2540 D-1997	1	14300145702A	10/27/2014 10:35	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-26-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7648063
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0792	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	19.2	0.0334	0.400	1
07058	Manganese	7439-96-5	6.42	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0067 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/30/2014 02:34	Tara L Snyder	10
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:02	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: PPS14-SW-26-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7648063
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014	18:42	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014	18:42	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014	18:42	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014	18:42	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014	18:42	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014	07:52	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-1 Blank Water
SED SW PW 2014

LL Sample # WW 7648064
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BTB-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-1 Blank Water
SED SW PW 2014

LL Sample # WW 7648064
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BTB-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 11:49	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143031AA	10/30/2014 11:49	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-2 Blank Water
SED SW PW 2014

LL Sample # WW 7648065
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BTB-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-2 Blank Water
SED SW PW 2014

LL Sample # WW 7648065
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BTB-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 12:11	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 13:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 13:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 12:11	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-2-A Blank Water
SED SW PW 2014

LL Sample # WW 7648066
LL Group # 1513276
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 10/31/2014 10:41

BTB2A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142971AA	10/24/2014 15:02	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142971AA	10/24/2014 15:02	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143031AA	Sample number(s): 7648059,7648064-7648065								
Acetone	3.0	U	3.0	5.0	ug/l	105	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	134	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	103	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	105	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	100	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	107	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	103	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	114	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	111	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	106	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	96	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	108	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	98	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	98	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	104	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	111	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	110	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	95	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	107	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	104	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	114	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	108	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	104	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	108	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	105	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	102	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	108	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	106	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	108	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	110	72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	109	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	102	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	108	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	104	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	106	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	107	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	105	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	113	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	106	80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	106	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS/LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	108		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	105		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	142		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	110		80-120		
Batch number: E143011AA Sample number(s): 7648059,7648065									
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	106		70-130		
Batch number: L142971AA Sample number(s): 7648061,7648066									
Acrolein	40 U	40.	100	ug/l	97		59-120		
Acrylonitrile	4 U	4.	20	ug/l	86		62-120		
Batch number: 14298WAC026 Sample number(s): 7648059,7648062									
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	97		56-134		
1,4-Dioxane	1 U	1.	5	ug/l	67		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	95		77-113		
Batch number: 142970032A Sample number(s): 7648059,7648062									
Diethylene glycol	8.0 U	8.0	10	mg/l	78		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	86		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	89		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	70		46-118		
Batch number: 143000636001 Sample number(s): 7648059-7648060,7648062-7648063									
Barium	0.0010 J	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	103		80-120		
Calcium	0.0334 U	0.0334	0.400	mg/l	104		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	105		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	103		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	103		80-120		
Magnesium	0.0167 U	0.0167	0.200	mg/l	104		80-120		
Manganese	0.0027 J	0.00083	0.0100	mg/l	104		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	105		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	100		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	102		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0053 J	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143000639001A Sample number(s): 7648059-7648060,7648062-7648063									
Antimony	0.00033 U	0.00033	0.0020	mg/l	100		87-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	98		86-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	107		90-114		
Lead	0.000082 U	0.00008	0.0020	mg/l	102		90-110		
Thallium	U	2							
	0.00015 U	0.00015	0.0010	mg/l	104		90-115		
Batch number: 143005713003 Sample number(s): 7648059-7648060,7648062-7648063									
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
	U	0							

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14297347601A	Sample number(s): 7648062								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	103		90-110		
Nitrite Nitrogen	0.050 U	0.050	0.10	mg/l	105		90-110		
Batch number: 14300145701A	Sample number(s): 7648059								
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	96		91-105		
Batch number: 14300145702A	Sample number(s): 7648062								
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	98		91-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143031AA	Sample number(s): 7648059,7648064-7648065 UNSPK: P649697								
Acetone	97	98	57-163	1	30				
Acetonitrile	131*	138*	77-129	5	30				
Allyl Chloride	103	102	61-120	1	30				
Benzene	103	100	87-126	3	30				
Bromodichloromethane	110	106	82-133	3	30				
Bromoform	107	103	60-138	3	30				
Bromomethane	97	103	66-130	6	30				
2-Butanone	102	103	56-160	1	30				
Carbon Disulfide	106	103	84-141	3	30				
Carbon Tetrachloride	114	110	81-148	4	30				
2-Chloro-1,3-butadiene	113	109	78-128	4	30				
Chlorobenzene	110	108	78-133	1	30				
Chloroethane	98	108	70-139	9	30				
Chloroform	109	105	86-136	3	30				
Chloromethane	96	105	49-135	9	30				
1,2-Dibromo-3-chloropropane	105	108	53-163	3	30				
Dibromochloromethane	110	107	79-125	3	30				
1,2-Dibromoethane	112	113	84-127	1	30				
Dibromomethane	109	106	83-126	3	30				
trans-1,4-Dichloro-2-butene	55	40	11-172	31*	30				
Dichlorodifluoromethane	108	114	28-136	5	30				
1,1-Dichloroethane	104	100	81-126	3	30				
1,2-Dichloroethane	111	109	82-135	2	30				
1,1-Dichloroethene	109	104	86-132	5	30				
cis-1,2-Dichloroethene	104	101	82-129	2	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	106	102	91-126	3	30				
cis-1,3-Dichloropropene	97	94	74-132	3	30				
trans-1,3-Dichloropropene	105	103	71-128	2	30				
Ethyl Methacrylate	112	113	73-134	1	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	120	122	51-149	2	30				
Isobutyl Alcohol	117	113	65-146	4	30				
Methacrylonitrile	102	103	58-155	1	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Methyl Iodide	98	96	71-137	2	30				
Methyl Methacrylate	98	102	48-152	4	30				
4-Methyl-2-pentanone	112	114	69-149	2	30				
Methylene Chloride	103	100	77-135	3	30				
Pentachloroethane	103	109	68-145	6	30				
Propionitrile	100	105	63-147	5	30				
Styrene	118	116	71-138	2	30				
1,1,1,2-Tetrachloroethane	115	112	87-126	2	30				
1,1,2,2-Tetrachloroethane	113	114	75-131	1	30				
Tetrachloroethene	106	103	75-129	3	30				
Toluene	106	104	83-127	2	30				
1,1,1-Trichloroethane	107	105	85-140	2	30				
1,1,2-Trichloroethane	112	112	85-129	0	30				
Trichloroethene	110	108	85-131	2	30				
Trichlorofluoromethane	110	117	73-139	6	30				
1,2,3-Trichloropropane	112	113	76-120	1	30				
Vinyl Acetate	140	143	27-162	2	30				
Xylene (Total)	113	113	81-137	0	30				
Batch number: E143011AA Sample number(s): 7648059,7648065 UNSPK: P649697									
Vinyl Chloride	112	109	70-130	3	30				
Batch number: L142971AA Sample number(s): 7648061,7648066 UNSPK: P648045									
Acrolein	95	92	39-136	3	30				
Acrylonitrile	83	86	51-125	3	30				
Batch number: 14298WAC026 Sample number(s): 7648059,7648062 UNSPK: P649697									
1,1'-Biphenyl	96	99	73-114	3	30				
1,4-Dioxane	67	68	48-83	2	30				
Diphenyl ether	94	98	81-105	3	30				
Batch number: 142970032A Sample number(s): 7648059,7648062 UNSPK: 7648062									
Diethylene glycol	80	82	52-122	3	20				
Ethylene glycol	72	77	54-123	8	20				
Propylene glycol	66	71	55-131	8	20				
Triethylene glycol	73	77	33-123	6	20				
Batch number: 143000636001 Sample number(s): 7648059-7648060,7648062-7648063 UNSPK: P649787 BKG: P649787									
Barium	103	103	75-125	0	20	0.0066 J	0.0067 J	1 (1)	20
Beryllium	103	104	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	105	106	75-125	0	20	1.13	1.13	0 (1)	20
Chromium	102	103	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	104	105	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	104	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	103	105	75-125	1	20	0.371 J	0.369 J	1 (1)	20
Magnesium	104	105	75-125	0	20	0.426	0.428	1 (1)	20
Manganese	104	104	75-125	0	20	0.0890	0.0909	2	20
Nickel	105	106	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	102	105	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	99	99	75-125	0	20	0.0018 U	0.0018 U	0 (1)	20
Tin	101	103	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	103	103	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Zinc	103	104	75-125	1	20	0.0030 J	0.0036 J	16 (1)	20
Batch number: 143000639001A	Sample number(s): 7648059-7648060,7648062-7648063 UNSPK: P649787 BKG: P649787								
Antimony	95	118	75-125	22*	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	102	96	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	100	100	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	102	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	102	109	75-125	7	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143005713003	Sample number(s): 7648059-7648060,7648062-7648063 UNSPK: P649787 BKG: P649787								
Mercury	86	91	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14297347601A	Sample number(s): 7648062 UNSPK: 7648062 BKG: 7648062								
Nitrate Nitrogen	104		90-110			0.25 U	0.25 U	0 (1)	20
Nitrite Nitrogen	106		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14300145701A	Sample number(s): 7648059 BKG: P646677								
Total Suspended Solids						134	156	15* (1)	5
Batch number: 14300145702A	Sample number(s): 7648062 BKG: P648093								
Total Suspended Solids						13.6	12.4	9* (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7648059	105	104	99	99
7648064	105	103	99	99
7648065	105	105	99	100
Blank	104	103	99	102
LCS	104	104	102	106
MS	101	101	102	106
MSD	102	100	103	105
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143011AA

	Dibromofluoromethane
7648059	101
7648065	99
Blank	101
LCS	100
MS	101
MSD	99

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 10:41 AM

Group Number: 1513276

Surrogate Quality Control

Limits: 80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: L142971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7648061	98	101	94	90
7648066	98	102	95	90
Blank	97	100	95	90
LCS	96	101	97	93
MS	96	100	97	93
MSD	97	102	97	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14298WAC026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7648059	86	81	90
7648062	91	90	89
Blank	93	90	111
LCS	95	89	103
MS	93	88	97
MSD	96	90	101
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 142970032A

	Tetramethylene glycol
7648059	83
7648062	77
Blank	79
LCS	86
MS	81
MSD	80
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 10/23/2014 9:40
 Number of Packages: 3 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): HCL (6) UNPRES (2)

Unpacked by Corey Eshleman (3647) at 10:49 on 10/23/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	8013596-IR	0.2	IR	Wet	Y	Loose	N
2	DT121	0.5	DT	Wet	Y	Loose	N
3	DT131	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 21, 2014

Project: BRE - SED SW PW

Submittal Date: 10/25/2014

Group Number: 1513826

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SED-33 Sediment
SSP14-SED-34 Sediment
SSP14-SED-35 Sediment
SSP14-SED-BALLFIELD Sediment
SSP14-SED-28 Sediment
SSP14-SED-29 Sediment
SSP14-SED-30 Sediment
TB-102214-2 Blank Water

Lancaster Labs (LL) #

7651656
7651657
7651658
7651659
7651660
7651661
7651662
7651663

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	250	30	86	0.95
10237	Acetonitrile	75-05-8	110	U	430	0.95
10237	Acrolein	107-02-8	86	U	86	0.95
10237	Acrylonitrile	107-13-1	17	U	17	0.95
10237	Allyl Chloride	107-05-1	4	U	4	0.95
10237	Benzene	71-43-2	2	U	2	0.95
10237	Bromodichloromethane	75-27-4	4	U	4	0.95
10237	Bromoform	75-25-2	4	U	4	0.95
10237	Bromomethane	74-83-9	9	U	9	0.95
10237	2-Butanone	78-93-3	27	J	17	0.95
10237	Carbon Disulfide	75-15-0	4	U	4	0.95
10237	Carbon Tetrachloride	56-23-5	4	U	4	0.95
10237	2-Chloro-1,3-butadiene	126-99-8	4	U	4	0.95
10237	Chlorobenzene	108-90-7	4	U	4	0.95
10237	Chloroethane	75-00-3	9	U	9	0.95
10237	Chloroform	67-66-3	4	U	4	0.95
10237	Chloromethane	74-87-3	9	U	9	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	9	U	9	0.95
10237	Dibromochloromethane	124-48-1	4	U	4	0.95
10237	1,2-Dibromoethane	106-93-4	4	U	4	0.95
10237	Dibromomethane	74-95-3	4	U	4	0.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	43	U	43	0.95
10237	Dichlorodifluoromethane	75-71-8	9	U	9	0.95
10237	1,1-Dichloroethane	75-34-3	4	U	4	0.95
10237	1,2-Dichloroethane	107-06-2	4	U	4	0.95
10237	1,1-Dichloroethene	75-35-4	4	U	4	0.95
10237	cis-1,2-Dichloroethene	156-59-2	4	U	4	0.95
10237	trans-1,2-Dichloroethene	156-60-5	4	U	4	0.95
10237	1,2-Dichloropropane	78-87-5	4	U	4	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	4	U	4	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	4	U	4	0.95
10237	Ethyl Methacrylate	97-63-2	4	U	4	0.95
10237	Ethylbenzene	100-41-4	4	U	4	0.95
10237	2-Hexanone	591-78-6	13	U	13	0.95
10237	Isobutyl Alcohol	78-83-1	430	U	430	0.95
10237	Methacrylonitrile	126-98-7	21	U	21	0.95
10237	Methyl Iodide	74-88-4	13	U	13	0.95
10237	Methyl Methacrylate	80-62-6	4	U	4	0.95
10237	4-Methyl-2-pentanone	108-10-1	13	U	13	0.95
10237	Methylene Chloride	75-09-2	9	U	9	0.95
10237	Pentachloroethane	76-01-7	4	U	4	0.95
10237	Propionitrile	107-12-0	130	U	130	0.95
10237	Styrene	100-42-5	4	U	4	0.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	4	U	4	0.95
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	4	U	4	0.95
10237	Tetrachloroethene	127-18-4	4	U	4	0.95
10237	Toluene	108-88-3	4	U	4	0.95
10237	1,1,1-Trichloroethane	71-55-6	4	U	4	0.95
10237	1,1,2-Trichloroethane	79-00-5	4	U	4	0.95
10237	Trichloroethene	79-01-6	4	U	4	0.95
10237	Trichlorofluoromethane	75-69-4	9	U	9	0.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	4 U	4	21	0.95
10237	Vinyl Acetate	108-05-4	9 U	9	43	0.95
10237	Vinyl Chloride	75-01-4	4 U	4	21	0.95
10237	Xylene (Total)	1330-20-7	4 U	4	21	0.95

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	15 U	15	76	1
10726	Acenaphthylene	208-96-8	15 U	15	76	1
10726	Acetophenone	98-86-2	75 U	75	150	1
10726	2-Acetylaminofluorene	53-96-3	300 U	300	750	1
10726	4-Aminobiphenyl	92-67-1	750 U	750	2,200	1
10726	Aniline	62-53-3	750 U	750	2,200	1
10726	Anthracene	120-12-7	15 U	15	76	1
10726	Benzo(a)anthracene	56-55-3	15 U	15	76	1
10726	Benzo(a)pyrene	50-32-8	52 J	15	76	1
10726	Benzo(b)fluoranthene	205-99-2	54 J	15	76	1
10726	Benzo(g,h,i)perylene	191-24-2	25 J	15	76	1
10726	Benzo(k)fluoranthene	207-08-9	18 J	15	76	1
10726	Benzyl alcohol	100-51-6	750 U	750	2,200	1
10726	1,1'-Biphenyl	92-52-4	75 U	75	150	1
10726	4-Bromophenyl-phenylether	101-55-3	75 U	75	150	1
10726	Butylbenzylphthalate	85-68-7	300 U	300	750	1
10726	Di-n-butylphthalate	84-74-2	300 U	300	750	1
10726	4-Chloro-3-methylphenol	59-50-7	75 U	75	150	1
10726	4-Chloroaniline	106-47-8	75 U	75	150	1
10726	Chlorobenzilate	510-15-6	150 U	150	750	1
10726	bis(2-Chloroethoxy)methane	111-91-1	75 U	75	150	1
10726	bis(2-Chloroethyl)ether	111-44-4	75 U	75	150	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	75 U	75	150	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	31 U	31	150	1
10726	2-Chlorophenol	95-57-8	75 U	75	150	1
10726	4-Chlorophenyl-phenylether	7005-72-3	75 U	75	150	1
10726	Chrysene	218-01-9	46 J	15	76	1
10726	Diallate TRANS/CIS	2303-16-4	150 U	150	750	1
10726	Dibenz(a,h)anthracene	53-70-3	15 U	15	76	1
10726	Dibenzofuran	132-64-9	75 U	75	150	1
10726	1,2-Dichlorobenzene	95-50-1	75 U	75	150	1
10726	1,3-Dichlorobenzene	541-73-1	75 U	75	150	1
10726	1,4-Dichlorobenzene	106-46-7	75 U	75	150	1
10726	3,3'-Dichlorobenzidine	91-94-1	450 U	450	1,500	1
10726	2,4-Dichlorophenol	120-83-2	75 U	75	150	1
10726	2,6-Dichlorophenol	87-65-0	75 U	75	150	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Diethylphthalate	84-66-2	300	U 300	750	1
10726	Dimethoate	60-51-5	750	U 750	2,200	1
10726	p-Dimethylaminoazobenzene	60-11-7	300	U 300	750	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	75	U 75	150	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,200	U 2,200	4,500	1
10726	2,4-Dimethylphenol	105-67-9	75	U 75	150	1
10726	Dimethylphthalate	131-11-3	300	U 300	750	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	750	U 750	2,200	1
10726	1,3-Dinitrobenzene	99-65-0	300	U 300	750	1
10726	2,4-Dinitrophenol	51-28-5	1,300	U 1,300	4,500	1
10726	2,4-Dinitrotoluene	121-14-2	300	U 300	750	1
10726	2,6-Dinitrotoluene	606-20-2	75	U 75	150	1
10726	1,4-Dioxane	123-91-1	450	U 450	1,500	1
10726	Diphenyl ether	101-84-8	75	U 75	150	1
10726	Ethyl methanesulfonate	62-50-0	300	U 300	750	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	300	U 300	760	1
10726	Fluoranthene	206-44-0	82	U 15	76	1
10726	Fluorene	86-73-7	15	U 15	76	1
10726	Hexachlorobenzene	118-74-1	15	U 15	76	1
10726	Hexachlorobutadiene	87-68-3	75	U 75	150	1
10726	Hexachlorocyclopentadiene	77-47-4	750	U 750	2,200	1
10726	Hexachloroethane	67-72-1	150	U 150	750	1
10726	Hexachloropropene	1888-71-7	450	U 450	1,500	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	15	U 15	76	1
10726	Isodrin	465-73-6	75	U 75	150	1
10726	Isophorone	78-59-1	75	U 75	150	1
10726	Isosafrole	120-58-1	300	U 300	750	1
10726	Methapyrilene	91-80-5	7,500	U 7,500	22,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	150	U 150	750	1
10726	3-Methylcholanthrene	56-49-5	75	U 75	150	1
10726	2-Methylnaphthalene	91-57-6	15	U 15	76	1
10726	2-Methylphenol	95-48-7	75	U 75	150	1
10726	4-Methylphenol	106-44-5	75	U 75	150	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	15	U 15	76	1
10726	1,4-Naphthoquinone	130-15-4	3,700	U 3,700	15,000	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	750	U 750	2,200	1
10726	2-Naphthylamine	91-59-8	750	U 750	2,200	1
10726	2-Nitroaniline	88-74-4	75	U 75	150	1
10726	3-Nitroaniline	99-09-2	300	U 300	750	1
10726	4-Nitroaniline	100-01-6	300	U 300	750	1
10726	Nitrobenzene	98-95-3	75	U 75	150	1
10726	5-Nitro-o-toluidine	99-55-8	750	U 750	2,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2-Nitrophenol	88-75-5	75	U 75	150	1
10726	4-Nitrophenol	100-02-7	750	U 750	2,200	1
10726	4-Nitroquinoline-1-oxide	56-57-5	1,500	U 1,500	4,500	1
10726	N-Nitrosodiethylamine	55-18-5	75	U 75	150	1
10726	N-Nitrosodimethylamine	62-75-9	300	U 300	750	1
10726	N-Nitrosodi-n-butylamine	924-16-3	300	U 300	750	1
10726	N-Nitroso-di-n-propylamine	621-64-7	75	U 75	150	1
10726	N-Nitrosodiphenylamine	86-30-6	75	U 75	150	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	300	U 300	750	1
10726	N-Nitrosomorpholine	59-89-2	300	U 300	750	1
10726	N-Nitrosopiperidine	100-75-4	75	U 75	150	1
10726	N-Nitrosopyrrolidine	930-55-2	75	U 75	150	1
10726	Di-n-octylphthalate	117-84-0	300	U 300	750	1
10726	Pentachlorobenzene	608-93-5	75	U 75	150	1
10726	Pentachloronitrobenzene	82-68-8	300	U 300	750	1
10726	Pentachlorophenol	87-86-5	150	U 150	760	1
10726	Phenacetin	62-44-2	300	U 300	750	1
10726	Phenanthrene	85-01-8	34	J 15	76	1
10726	Phenol	108-95-2	75	U 75	150	1
10726	1,4-Phenylenediamine	106-50-3	52,000	U 52,000	150,000	1
10726	2-Picoline	109-06-8	450	U 450	1,500	1
10726	Pronamide	23950-58-5	150	U 150	750	1
10726	Pyrene	129-00-0	70	J 15	76	1
10726	Pyridine	110-86-1	300	U 300	750	1
10726	Safrole	94-59-7	300	U 300	750	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	75	U 75	150	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	300	U 300	750	1
10726	Tetraethylthiopyrophosphate	3689-24-5	300	U 300	750	1
10726	Thionazin	297-97-2	300	U 300	750	1
10726	o-Toluidine	95-53-4	900	U 900	3,000	1
10726	1,2,4-Trichlorobenzene	120-82-1	75	U 75	150	1
10726	2,4,5-Trichlorophenol	95-95-4	75	U 75	150	1
10726	2,4,6-Trichlorophenol	88-06-2	75	U 75	150	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	300	U 300	750	1
10726	1,3,5-Trinitrobenzene	99-35-4	750	U 750	2,200	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	22	U 22	45	1
12925	Ethylene glycol	107-21-1	22	U 22	45	1
12925	Propylene glycol	57-55-6	22	U 22	45	1
12925	Triethylene glycol	112-27-6	22	U 22	45	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	120	0.148	4.48	1
06947	Beryllium	7440-41-7	2.62	J 0.300	4.48	1
06949	Cadmium	7440-43-9	0.220	J 0.148	4.48	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	15.4	0.493	13.5	1
06952	Cobalt	7440-48-4	4.17 J	0.430	4.48	1
06953	Copper	7440-50-8	9.13	1.48	8.97	1
01654	Iron	7439-89-6	16,600	15.0	179	1
06958	Manganese	7439-96-5	280	0.372	4.48	1
06961	Nickel	7440-02-0	8.23 J	0.673	8.97	1
06966	Silver	7440-22-4	0.852 U	0.852	4.48	1
06969	Tin	7440-31-5	6.40 J	1.93	89.7	1
06971	Vanadium	7440-62-2	48.1	0.408	4.48	1
06972	Zinc	7440-66-6	66.6	1.17	17.9	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.378 U	0.378	1.79	2
06125	Arsenic	7440-38-2	5.21	0.383	3.59	2
06135	Lead	7439-92-1	49.8	0.0576	1.79	2
06141	Selenium	7782-49-2	2.29 J	0.448	3.59	2
06145	Thallium	7440-28-0	0.618 J	0.135	0.897	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.100 J	0.0428	0.856	1
Wet Chemistry						
		SW-846 9060A	mg/kg	mg/kg	mg/kg	
		modified				
02079	Total Organic Carbon (TOC)	n.a.	135,000	5,140	15,400	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	100	0.50	0.50	1
07103	2.36 mm	n.a.	100	0.50	0.50	1
07103	1.18 mm	n.a.	99.7	0.50	0.50	1
07103	0.6 mm	n.a.	98.7	0.50	0.50	1
07103	0.3 mm	n.a.	96.2	0.50	0.50	1
07103	0.15 mm	n.a.	92.6	0.50	0.50	1
07103	0.075 mm	n.a.	88.6	0.50	0.50	1
07103	0.064 mm	n.a.	86.0	0.50	0.50	1
07103	0.05 mm	n.a.	78.0	0.50	0.50	1
07103	0.02 mm	n.a.	61.0	0.50	0.50	1
07103	0.005 mm	n.a.	39.0	0.50	0.50	1
07103	0.002 mm	n.a.	20.0	0.50	0.50	1
07103	0.001 mm	n.a.	6.0	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	77.7	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
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General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 16:24	Chelsea B Stong	0.95
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/22/2014 13:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/22/2014 13:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/22/2014 13:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 06:07	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 03:49	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:37	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:17	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:17	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:17	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:17	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:17	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 12:47	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7651656
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 22:29	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	140	24	68	1.17
10237	Acetonitrile	75-05-8	85 U	85	340	1.17
10237	Acrolein	107-02-8	68 U	68	340	1.17
10237	Acrylonitrile	107-13-1	14 U	14	68	1.17
10237	Allyl Chloride	107-05-1	3 U	3	17	1.17
10237	Benzene	71-43-2	2 U	2	17	1.17
10237	Bromodichloromethane	75-27-4	3 U	3	17	1.17
10237	Bromoform	75-25-2	3 U	3	17	1.17
10237	Bromomethane	74-83-9	7 U	7	17	1.17
10237	2-Butanone	78-93-3	14 U	14	34	1.17
10237	Carbon Disulfide	75-15-0	3 U	3	17	1.17
10237	Carbon Tetrachloride	56-23-5	3 U	3	17	1.17
10237	2-Chloro-1,3-butadiene	126-99-8	3 U	3	17	1.17
10237	Chlorobenzene	108-90-7	3 U	3	17	1.17
10237	Chloroethane	75-00-3	7 U	7	17	1.17
10237	Chloroform	67-66-3	3 U	3	17	1.17
10237	Chloromethane	74-87-3	7 U	7	17	1.17
10237	1,2-Dibromo-3-chloropropane	96-12-8	7 U	7	17	1.17
10237	Dibromochloromethane	124-48-1	3 U	3	17	1.17
10237	1,2-Dibromoethane	106-93-4	3 U	3	17	1.17
10237	Dibromomethane	74-95-3	3 U	3	17	1.17
10237	trans-1,4-Dichloro-2-butene	110-57-6	34 U	34	170	1.17
10237	Dichlorodifluoromethane	75-71-8	7 U	7	17	1.17
10237	1,1-Dichloroethane	75-34-3	3 U	3	17	1.17
10237	1,2-Dichloroethane	107-06-2	3 U	3	17	1.17
10237	1,1-Dichloroethene	75-35-4	3 U	3	17	1.17
10237	cis-1,2-Dichloroethene	156-59-2	3 U	3	17	1.17
10237	trans-1,2-Dichloroethene	156-60-5	3 U	3	17	1.17
10237	1,2-Dichloropropane	78-87-5	3 U	3	17	1.17
10237	cis-1,3-Dichloropropene	10061-01-5	3 U	3	17	1.17
10237	trans-1,3-Dichloropropene	10061-02-6	3 U	3	17	1.17
10237	Ethyl Methacrylate	97-63-2	3 U	3	17	1.17
10237	Ethylbenzene	100-41-4	3 U	3	17	1.17
10237	2-Hexanone	591-78-6	10 U	10	34	1.17
10237	Isobutyl Alcohol	78-83-1	340 U	340	850	1.17
10237	Methacrylonitrile	126-98-7	17 U	17	170	1.17
10237	Methyl Iodide	74-88-4	10 U	10	17	1.17
10237	Methyl Methacrylate	80-62-6	3 U	3	17	1.17
10237	4-Methyl-2-pentanone	108-10-1	10 U	10	34	1.17
10237	Methylene Chloride	75-09-2	7 U	7	17	1.17
10237	Pentachloroethane	76-01-7	3 U	3	17	1.17
10237	Propionitrile	107-12-0	100 U	100	340	1.17
10237	Styrene	100-42-5	3 U	3	17	1.17
10237	1,1,1,2-Tetrachloroethane	630-20-6	3 U	3	17	1.17
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	3 U	3	17	1.17
10237	Tetrachloroethene	127-18-4	3 U	3	17	1.17
10237	Toluene	108-88-3	3 U	3	17	1.17
10237	1,1,1-Trichloroethane	71-55-6	3 U	3	17	1.17
10237	1,1,2-Trichloroethane	79-00-5	3 U	3	17	1.17
10237	Trichloroethene	79-01-6	3 U	3	17	1.17
10237	Trichlorofluoromethane	75-69-4	7 U	7	17	1.17

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	3 U	3	17	1.17
10237	Vinyl Acetate	108-05-4	7 U	7	34	1.17
10237	Vinyl Chloride	75-01-4	3 U	3	17	1.17
10237	Xylene (Total)	1330-20-7	3 U	3	17	1.17

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	10	U 10	49	1
10726	Acenaphthylene	208-96-8	10	U 10	49	1
10726	Acetophenone	98-86-2	48	U 48	97	1
10726	2-Acetylaminofluorene	53-96-3	190	U 190	480	1
10726	4-Aminobiphenyl	92-67-1	480	U 480	1,500	1
10726	Aniline	62-53-3	480	U 480	1,500	1
10726	Anthracene	120-12-7	11	J 10	49	1
10726	Benzo(a)anthracene	56-55-3	47	J 10	49	1
10726	Benzo(a)pyrene	50-32-8	55	10	49	1
10726	Benzo(b)fluoranthene	205-99-2	67	10	49	1
10726	Benzo(g,h,i)perylene	191-24-2	55	10	49	1
10726	Benzo(k)fluoranthene	207-08-9	55	10	49	1
10726	Benzyl alcohol	100-51-6	480	U 480	1,500	1
10726	1,1'-Biphenyl	92-52-4	48	U 48	97	1
10726	4-Bromophenyl-phenylether	101-55-3	48	U 48	97	1
10726	Butylbenzylphthalate	85-68-7	190	U 190	480	1
10726	Di-n-butylphthalate	84-74-2	190	U 190	480	1
10726	4-Chloro-3-methylphenol	59-50-7	48	U 48	97	1
10726	4-Chloroaniline	106-47-8	48	U 48	97	1
10726	Chlorobenzilate	510-15-6	97	U 97	480	1
10726	bis(2-Chloroethoxy)methane	111-91-1	48	U 48	97	1
10726	bis(2-Chloroethyl)ether	111-44-4	48	U 48	97	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	48	U 48	97	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	20	U 20	96	1
10726	2-Chlorophenol	95-57-8	48	U 48	97	1
10726	4-Chlorophenyl-phenylether	7005-72-3	48	U 48	97	1
10726	Chrysene	218-01-9	74	10	49	1
10726	Diallate TRANS/CIS	2303-16-4	97	U 97	480	1
10726	Dibenz(a,h)anthracene	53-70-3	14	J 10	49	1
10726	Dibenzofuran	132-64-9	48	U 48	97	1
10726	1,2-Dichlorobenzene	95-50-1	48	U 48	97	1
10726	1,3-Dichlorobenzene	541-73-1	48	U 48	97	1
10726	1,4-Dichlorobenzene	106-46-7	48	U 48	97	1
10726	3,3'-Dichlorobenzidine	91-94-1	290	U 290	970	1
10726	2,4-Dichlorophenol	120-83-2	48	U 48	97	1
10726	2,6-Dichlorophenol	87-65-0	48	U 48	97	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Diethylphthalate	84-66-2	190	U 190	480	1
10726	Dimethoate	60-51-5	480	U 480	1,500	1
10726	p-Dimethylaminoazobenzene	60-11-7	190	U 190	480	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	48	U 48	97	1
10726	3,3'-Dimethylbenzidine	119-93-7	1,500	U 1,500	2,900	1
10726	2,4-Dimethylphenol	105-67-9	48	U 48	97	1
10726	Dimethylphthalate	131-11-3	190	U 190	480	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	480	U 480	1,500	1
10726	1,3-Dinitrobenzene	99-65-0	190	U 190	480	1
10726	2,4-Dinitrophenol	51-28-5	870	U 870	2,900	1
10726	2,4-Dinitrotoluene	121-14-2	190	U 190	480	1
10726	2,6-Dinitrotoluene	606-20-2	48	U 48	97	1
10726	1,4-Dioxane	123-91-1	290	U 290	970	1
10726	Diphenyl ether	101-84-8	48	U 48	97	1
10726	Ethyl methanesulfonate	62-50-0	190	U 190	480	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	190	U 190	490	1
10726	Fluoranthene	206-44-0	120	U 10	49	1
10726	Fluorene	86-73-7	10	U 10	49	1
10726	Hexachlorobenzene	118-74-1	10	U 10	49	1
10726	Hexachlorobutadiene	87-68-3	48	U 48	97	1
10726	Hexachlorocyclopentadiene	77-47-4	480	U 480	1,500	1
10726	Hexachloroethane	67-72-1	97	U 97	480	1
10726	Hexachloropropene	1888-71-7	290	U 290	970	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	40	J 10	49	1
10726	Isodrin	465-73-6	48	U 48	97	1
10726	Isophorone	78-59-1	48	U 48	97	1
10726	Isosafrole	120-58-1	190	U 190	480	1
10726	Methapyrilene	91-80-5	4,800	U 4,800	15,000	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	97	U 97	480	1
10726	3-Methylcholanthrene	56-49-5	48	U 48	97	1
10726	2-Methylnaphthalene	91-57-6	10	U 10	49	1
10726	2-Methylphenol	95-48-7	48	U 48	97	1
10726	4-Methylphenol	106-44-5	48	U 48	97	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	10	U 10	49	1
10726	1,4-Naphthoquinone	130-15-4	2,400	U 2,400	9,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	480	U 480	1,500	1
10726	2-Naphthylamine	91-59-8	480	U 480	1,500	1
10726	2-Nitroaniline	88-74-4	48	U 48	97	1
10726	3-Nitroaniline	99-09-2	190	U 190	480	1
10726	4-Nitroaniline	100-01-6	190	U 190	480	1
10726	Nitrobenzene	98-95-3	48	U 48	97	1
10726	5-Nitro-o-toluidine	99-55-8	480	U 480	1,500	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2-Nitrophenol	88-75-5	48	U 48	97	1
10726	4-Nitrophenol	100-02-7	480	U 480	1,500	1
10726	4-Nitroquinoline-1-oxide	56-57-5	970	U 970	2,900	1
10726	N-Nitrosodiethylamine	55-18-5	48	U 48	97	1
10726	N-Nitrosodimethylamine	62-75-9	190	U 190	480	1
10726	N-Nitrosodi-n-butylamine	924-16-3	190	U 190	480	1
10726	N-Nitroso-di-n-propylamine	621-64-7	48	U 48	97	1
10726	N-Nitrosodiphenylamine	86-30-6	48	U 48	97	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	190	U 190	480	1
10726	N-Nitrosomorpholine	59-89-2	190	U 190	480	1
10726	N-Nitrosopiperidine	100-75-4	48	U 48	97	1
10726	N-Nitrosopyrrolidine	930-55-2	48	U 48	97	1
10726	Di-n-octylphthalate	117-84-0	190	U 190	480	1
10726	Pentachlorobenzene	608-93-5	48	U 48	97	1
10726	Pentachloronitrobenzene	82-68-8	190	U 190	480	1
10726	Pentachlorophenol	87-86-5	97	U 97	490	1
10726	Phenacetin	62-44-2	190	U 190	480	1
10726	Phenanthrene	85-01-8	47	J 10	49	1
10726	Phenol	108-95-2	48	U 48	97	1
10726	1,4-Phenylenediamine	106-50-3	34,000	U 34,000	97,000	1
10726	2-Picoline	109-06-8	290	U 290	970	1
10726	Pronamide	23950-58-5	97	U 97	480	1
10726	Pyrene	129-00-0	93	10	49	1
10726	Pyridine	110-86-1	190	U 190	480	1
10726	Safrole	94-59-7	190	U 190	480	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	48	U 48	97	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	190	U 190	480	1
10726	Tetraethylthiopyrophosphate	3689-24-5	190	U 190	480	1
10726	Thionazin	297-97-2	190	U 190	480	1
10726	o-Toluidine	95-53-4	580	U 580	1,900	1
10726	1,2,4-Trichlorobenzene	120-82-1	48	U 48	97	1
10726	2,4,5-Trichlorophenol	95-95-4	48	U 48	97	1
10726	2,4,6-Trichlorophenol	88-06-2	48	U 48	97	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	190	U 190	480	1
10726	1,3,5-Trinitrobenzene	99-35-4	480	U 480	1,500	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	15	U 15	29	1
12925	Ethylene glycol	107-21-1	15	U 15	29	1
12925	Propylene glycol	57-55-6	15	U 15	29	1
12925	Triethylene glycol	112-27-6	15	U 15	29	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	76.3	0.0940	2.85	1
06947	Beryllium	7440-41-7	1.66	J 0.191	2.85	1
06949	Cadmium	7440-43-9	0.165	J 0.0940	2.85	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	13.4	0.313	8.55	1
06952	Cobalt	7440-48-4	3.87	0.274	2.85	1
06953	Copper	7440-50-8	6.59	0.940	5.70	1
01654	Iron	7439-89-6	13,100	9.52	114	1
06958	Manganese	7439-96-5	151	0.237	2.85	1
06961	Nickel	7440-02-0	6.66	0.427	5.70	1
06966	Silver	7440-22-4	0.541 U	0.541	2.85	1
06969	Tin	7440-31-5	4.89 J	1.23	57.0	1
06971	Vanadium	7440-62-2	40.6	0.259	2.85	1
06972	Zinc	7440-66-6	50.8	0.741	11.4	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.242 J	0.241	1.14	2
06125	Arsenic	7440-38-2	3.34	0.243	2.28	2
06135	Lead	7439-92-1	24.1	0.0366	1.14	2
06141	Selenium	7782-49-2	1.16 J	0.285	2.28	2
06145	Thallium	7440-28-0	0.317 J	0.0855	0.570	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0421 J	0.0279	0.559	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	37,900	2,440	7,330	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	99.9	0.50	0.50	1
07103	2.36 mm	n.a.	99.9	0.50	0.50	1
07103	1.18 mm	n.a.	99.1	0.50	0.50	1
07103	0.6 mm	n.a.	97.1	0.50	0.50	1
07103	0.3 mm	n.a.	93.2	0.50	0.50	1
07103	0.15 mm	n.a.	85.9	0.50	0.50	1
07103	0.075 mm	n.a.	77.2	0.50	0.50	1
07103	0.064 mm	n.a.	74.0	0.50	0.50	1
07103	0.05 mm	n.a.	66.0	0.50	0.50	1
07103	0.02 mm	n.a.	49.0	0.50	0.50	1
07103	0.005 mm	n.a.	25.0	0.50	0.50	1
07103	0.002 mm	n.a.	17.0	0.50	0.50	1
07103	0.001 mm	n.a.	12.0	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	65.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
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General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 16:47	Chelsea B Stong	1.17
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/22/2014 12:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/22/2014 12:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/22/2014 12:40	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 06:31	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 05:18	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:41	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:20	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:20	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:20	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:20	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:20	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:00	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7651657
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD34

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 22:57	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	32	7	21	0.69
10237	Acetonitrile	75-05-8	26	U	100	0.69
10237	Acrolein	107-02-8	21	U	21	0.69
10237	Acrylonitrile	107-13-1	4	U	4	0.69
10237	Allyl Chloride	107-05-1	1	U	1	0.69
10237	Benzene	71-43-2	0.5	U	0.5	0.69
10237	Bromodichloromethane	75-27-4	1	U	1	0.69
10237	Bromoform	75-25-2	1	U	1	0.69
10237	Bromomethane	74-83-9	2	U	2	0.69
10237	2-Butanone	78-93-3	4	U	4	0.69
10237	Carbon Disulfide	75-15-0	1	U	1	0.69
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.69
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.69
10237	Chlorobenzene	108-90-7	1	U	1	0.69
10237	Chloroethane	75-00-3	2	U	2	0.69
10237	Chloroform	67-66-3	1	U	1	0.69
10237	Chloromethane	74-87-3	2	U	2	0.69
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.69
10237	Dibromochloromethane	124-48-1	1	U	1	0.69
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.69
10237	Dibromomethane	74-95-3	1	U	1	0.69
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.69
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.69
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.69
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.69
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.69
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.69
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.69
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.69
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.69
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.69
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.69
10237	Ethylbenzene	100-41-4	1	U	1	0.69
10237	2-Hexanone	591-78-6	3	U	3	0.69
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.69
10237	Methacrylonitrile	126-98-7	5	U	5	0.69
10237	Methyl Iodide	74-88-4	3	U	3	0.69
10237	Methyl Methacrylate	80-62-6	1	U	1	0.69
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.69
10237	Methylene Chloride	75-09-2	2	U	2	0.69
10237	Pentachloroethane	76-01-7	1	U	1	0.69
10237	Propionitrile	107-12-0	31	U	31	0.69
10237	Styrene	100-42-5	1	U	1	0.69
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.69
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.69
10237	Tetrachloroethene	127-18-4	1	U	1	0.69
10237	Toluene	108-88-3	1	U	1	0.69
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.69
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.69
10237	Trichloroethene	79-01-6	1	U	1	0.69
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.69

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.69
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.69
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.69
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.69
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5 U	5	26	1
10726	Acenaphthylene	208-96-8	5 U	5	26	1
10726	Acetophenone	98-86-2	25 U	25	51	1
10726	2-Acetylaminofluorene	53-96-3	100 U	100	250	1
10726	4-Aminobiphenyl	92-67-1	250 U	250	760	1
10726	Aniline	62-53-3	250 U	250	760	1
10726	Anthracene	120-12-7	5 U	5	26	1
10726	Benzo(a)anthracene	56-55-3	6 J	5	26	1
10726	Benzo(a)pyrene	50-32-8	8 J	5	26	1
10726	Benzo(b)fluoranthene	205-99-2	13 J	5	26	1
10726	Benzo(g,h,i)perylene	191-24-2	9 J	5	26	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	5	26	1
10726	Benzyl alcohol	100-51-6	250 U	250	760	1
10726	1,1'-Biphenyl	92-52-4	25 U	25	51	1
10726	4-Bromophenyl-phenylether	101-55-3	25 U	25	51	1
10726	Butylbenzylphthalate	85-68-7	100 U	100	250	1
10726	Di-n-butylphthalate	84-74-2	100 U	100	250	1
10726	4-Chloro-3-methylphenol	59-50-7	25 U	25	51	1
10726	4-Chloroaniline	106-47-8	25 U	25	51	1
10726	Chlorobenzilate	510-15-6	51 U	51	250	1
10726	bis(2-Chloroethoxy)methane	111-91-1	25 U	25	51	1
10726	bis(2-Chloroethyl)ether	111-44-4	25 U	25	51	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	25 U	25	51	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	11 U	11	50	1
10726	2-Chlorophenol	95-57-8	25 U	25	51	1
10726	4-Chlorophenyl-phenylether	7005-72-3	25 U	25	51	1
10726	Chrysene	218-01-9	8 J	5	26	1
10726	Diallate TRANS/CIS	2303-16-4	51 U	51	250	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	26	1
10726	Dibenzofuran	132-64-9	25 U	25	51	1
10726	1,2-Dichlorobenzene	95-50-1	25 U	25	51	1
10726	1,3-Dichlorobenzene	541-73-1	25 U	25	51	1
10726	1,4-Dichlorobenzene	106-46-7	25 U	25	51	1
10726	3,3'-Dichlorobenzidine	91-94-1	150 U	150	510	1
10726	2,4-Dichlorophenol	120-83-2	25 U	25	51	1
10726	2,6-Dichlorophenol	87-65-0	25 U	25	51	1
10726	Diethylphthalate	84-66-2	100 U	100	250	1
10726	Dimethoate	60-51-5	250 U	250	760	1
10726	p-Dimethylaminoazobenzene	60-11-7	100 U	100	250	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	25 U	25	51	1
10726	3,3'-Dimethylbenzidine	119-93-7	760 U	760	1,500	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	25	U 25	51	1
10726	Dimethylphthalate	131-11-3	100	U 100	250	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	250	U 250	760	1
10726	1,3-Dinitrobenzene	99-65-0	100	U 100	250	1
10726	2,4-Dinitrophenol	51-28-5	460	U 460	1,500	1
10726	2,4-Dinitrotoluene	121-14-2	100	U 100	250	1
10726	2,6-Dinitrotoluene	606-20-2	25	U 25	51	1
10726	1,4-Dioxane	123-91-1	150	U 150	510	1
10726	Diphenyl ether	101-84-8	25	U 25	51	1
10726	Ethyl methanesulfonate	62-50-0	100	U 100	250	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	100	U 100	260	1
10726	Fluoranthene	206-44-0	18	J 5	26	1
10726	Fluorene	86-73-7	5	U 5	26	1
10726	Hexachlorobenzene	118-74-1	5	U 5	26	1
10726	Hexachlorobutadiene	87-68-3	25	U 25	51	1
10726	Hexachlorocyclopentadiene	77-47-4	250	U 250	760	1
10726	Hexachloroethane	67-72-1	51	U 51	250	1
10726	Hexachloropropene	1888-71-7	150	U 150	510	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	8	J 5	26	1
10726	Isodrin	465-73-6	25	U 25	51	1
10726	Isophorone	78-59-1	25	U 25	51	1
10726	Isosafrole	120-58-1	100	U 100	250	1
10726	Methapyrilene	91-80-5	2,500	U 2,500	7,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	51	U 51	250	1
10726	3-Methylcholanthrene	56-49-5	25	U 25	51	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	26	1
10726	2-Methylphenol	95-48-7	25	U 25	51	1
10726	4-Methylphenol	106-44-5	25	U 25	51	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	5	U 5	26	1
10726	1,4-Naphthoquinone	130-15-4	1,300	U 1,300	5,100	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	250	U 250	760	1
10726	2-Naphthylamine	91-59-8	250	U 250	760	1
10726	2-Nitroaniline	88-74-4	25	U 25	51	1
10726	3-Nitroaniline	99-09-2	100	U 100	250	1
10726	4-Nitroaniline	100-01-6	100	U 100	250	1
10726	Nitrobenzene	98-95-3	25	U 25	51	1
10726	5-Nitro-o-toluidine	99-55-8	250	U 250	760	1
10726	2-Nitrophenol	88-75-5	25	U 25	51	1
10726	4-Nitrophenol	100-02-7	250	U 250	760	1
10726	4-Nitroquinoline-1-oxide	56-57-5	510	U 510	1,500	1
10726	N-Nitrosodiethylamine	55-18-5	25	U 25	51	1
10726	N-Nitrosodimethylamine	62-75-9	100	U 100	250	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10726	N-Nitrosodi-n-butylamine	924-16-3	100	U 100	250	1
10726	N-Nitroso-di-n-propylamine	621-64-7	25	U 25	51	1
10726	N-Nitrosodiphenylamine	86-30-6	25	U 25	51	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	100	U 100	250	1
10726	N-Nitrosomorpholine	59-89-2	100	U 100	250	1
10726	N-Nitrosopiperidine	100-75-4	25	U 25	51	1
10726	N-Nitrosopyrrolidine	930-55-2	25	U 25	51	1
10726	Di-n-octylphthalate	117-84-0	100	U 100	250	1
10726	Pentachlorobenzene	608-93-5	25	U 25	51	1
10726	Pentachloronitrobenzene	82-68-8	100	U 100	250	1
10726	Pentachlorophenol	87-86-5	51	U 51	260	1
10726	Phenacetin	62-44-2	100	U 100	250	1
10726	Phenanthrene	85-01-8	10	J 5	26	1
10726	Phenol	108-95-2	25	U 25	51	1
10726	1,4-Phenylenediamine	106-50-3	18,000	U 18,000	51,000	1
10726	2-Picoline	109-06-8	150	U 150	510	1
10726	Pronamide	23950-58-5	51	U 51	250	1
10726	Pyrene	129-00-0	15	J 5	26	1
10726	Pyridine	110-86-1	100	U 100	250	1
10726	Safrole	94-59-7	100	U 100	250	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	25	U 25	51	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	100	U 100	250	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	100	U 100	250	1
10726	Thionazin	297-97-2	100	U 100	250	1
10726	o-Toluidine	95-53-4	300	U 300	1,000	1
10726	1,2,4-Trichlorobenzene	120-82-1	25	U 25	51	1
10726	2,4,5-Trichlorophenol	95-95-4	25	U 25	51	1
10726	2,4,6-Trichlorophenol	88-06-2	25	U 25	51	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	100	U 100	250	1
10726	1,3,5-Trinitrobenzene	99-35-4	250	U 250	760	1
GC Miscellaneous SW-846 8015C Feb 2007						
Rev 3						
12925	Diethylene glycol	111-46-6	7.6	U 7.6	15	1
12925	Ethylene glycol	107-21-1	7.6	U 7.6	15	1
12925	Propylene glycol	57-55-6	7.6	U 7.6	15	1
12925	Triethylene glycol	112-27-6	7.6	U 7.6	15	1
Metals SW-846 6010C						
06946	Barium	7440-39-3	22.0	0.0502	1.52	1
06947	Beryllium	7440-41-7	0.574	J 0.102	1.52	1
06949	Cadmium	7440-43-9	0.0502	U 0.0502	1.52	1
06951	Chromium	7440-47-3	3.64	J 0.167	4.56	1
06952	Cobalt	7440-48-4	1.33	J 0.146	1.52	1
06953	Copper	7440-50-8	2.54	J 0.502	3.04	1
01654	Iron	7439-89-6	6,140	5.08	60.8	1
06958	Manganese	7439-96-5	67.1	0.126	1.52	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	2.39 J	0.228	3.04	1
06966	Silver	7440-22-4	0.289 U	0.289	1.52	1
06969	Tin	7440-31-5	2.45 J	0.653	30.4	1
06971	Vanadium	7440-62-2	12.4	0.138	1.52	1
06972	Zinc	7440-66-6	16.6	0.395	6.08	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.128 U	0.128	0.608	2
06125	Arsenic	7440-38-2	0.984 J	0.130	1.22	2
06135	Lead	7439-92-1	7.88	0.0195	0.608	2
06141	Selenium	7782-49-2	0.228 J	0.152	1.22	2
06145	Thallium	7440-28-0	0.0976 J	0.0456	0.304	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0152 U	0.0152	0.303	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	5,000	152	456	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	99.8	0.50	0.50	1
07103	3.35 mm	n.a.	98.8	0.50	0.50	1
07103	2.36 mm	n.a.	96.7	0.50	0.50	1
07103	1.18 mm	n.a.	90.3	0.50	0.50	1
07103	0.6 mm	n.a.	81.5	0.50	0.50	1
07103	0.3 mm	n.a.	68.3	0.50	0.50	1
07103	0.15 mm	n.a.	42.2	0.50	0.50	1
07103	0.075 mm	n.a.	21.7	0.50	0.50	1
07103	0.064 mm	n.a.	18.0	0.50	0.50	1
07103	0.05 mm	n.a.	12.0	0.50	0.50	1
07103	0.02 mm	n.a.	6.0	0.50	0.50	1
07103	0.005 mm	n.a.	1.0	0.50	0.50	1
07103	0.002 mm	n.a.	1.0	0.50	0.50	1
07103	0.001 mm	n.a.	1.0	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	34.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7651658
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD35

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 20:15	Chelsea B Stong	0.69
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/22/2014 11:50	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/22/2014 11:50	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/22/2014 11:50	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 14:00	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 04:04	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:45	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:22	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:22	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:22	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:22	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:22	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:02	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 23:05	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDBL

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	21	7	21	0.85
10237	Acetonitrile	75-05-8	26	U	100	0.85
10237	Acrolein	107-02-8	21	U	21	0.85
10237	Acrylonitrile	107-13-1	4	U	4	0.85
10237	Allyl Chloride	107-05-1	1	U	1	0.85
10237	Benzene	71-43-2	0.5	U	0.5	0.85
10237	Bromodichloromethane	75-27-4	1	U	1	0.85
10237	Bromoform	75-25-2	1	U	1	0.85
10237	Bromomethane	74-83-9	2	U	2	0.85
10237	2-Butanone	78-93-3	4	U	4	0.85
10237	Carbon Disulfide	75-15-0	1	U	1	0.85
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.85
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.85
10237	Chlorobenzene	108-90-7	1	U	1	0.85
10237	Chloroethane	75-00-3	2	U	2	0.85
10237	Chloroform	67-66-3	1	U	1	0.85
10237	Chloromethane	74-87-3	2	U	2	0.85
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.85
10237	Dibromochloromethane	124-48-1	1	U	1	0.85
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.85
10237	Dibromomethane	74-95-3	1	U	1	0.85
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	0.85
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.85
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.85
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.85
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.85
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.85
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.85
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.85
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.85
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.85
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.85
10237	Ethylbenzene	100-41-4	1	U	1	0.85
10237	2-Hexanone	591-78-6	3	U	3	0.85
10237	Isobutyl Alcohol	78-83-1	100	U	100	0.85
10237	Methacrylonitrile	126-98-7	5	U	5	0.85
10237	Methyl Iodide	74-88-4	3	U	3	0.85
10237	Methyl Methacrylate	80-62-6	1	U	1	0.85
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.85
10237	Methylene Chloride	75-09-2	2	U	2	0.85
10237	Pentachloroethane	76-01-7	1	U	1	0.85
10237	Propionitrile	107-12-0	31	U	31	0.85
10237	Styrene	100-42-5	1	U	1	0.85
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.85
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.85
10237	Tetrachloroethene	127-18-4	1	U	1	0.85
10237	Toluene	108-88-3	1	U	1	0.85
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.85
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.85
10237	Trichloroethene	79-01-6	1	U	1	0.85
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.85

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDBL

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.85
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.85
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.85
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.85
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	20 U	20	41	1
10726	2-Acetylaminofluorene	53-96-3	81 U	81	200	1
10726	4-Aminobiphenyl	92-67-1	200 U	200	610	1
10726	Aniline	62-53-3	200 U	200	610	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	21	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	21	1
10726	Benzyl alcohol	100-51-6	200 U	200	610	1
10726	1,1'-Biphenyl	92-52-4	20 U	20	41	1
10726	4-Bromophenyl-phenylether	101-55-3	20 U	20	41	1
10726	Butylbenzylphthalate	85-68-7	81 U	81	200	1
10726	Di-n-butylphthalate	84-74-2	81 U	81	200	1
10726	4-Chloro-3-methylphenol	59-50-7	20 U	20	41	1
10726	4-Chloroaniline	106-47-8	20 U	20	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	200	1
10726	bis(2-Chloroethoxy)methane	111-91-1	20 U	20	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	20 U	20	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	20 U	20	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	40	1
10726	2-Chlorophenol	95-57-8	20 U	20	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	20 U	20	41	1
10726	Chrysene	218-01-9	4 U	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	200	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	20 U	20	41	1
10726	1,2-Dichlorobenzene	95-50-1	20 U	20	41	1
10726	1,3-Dichlorobenzene	541-73-1	20 U	20	41	1
10726	1,4-Dichlorobenzene	106-46-7	20 U	20	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	20 U	20	41	1
10726	2,6-Dichlorophenol	87-65-0	20 U	20	41	1
10726	Diethylphthalate	84-66-2	81 U	81	200	1
10726	Dimethoate	60-51-5	200 U	200	610	1
10726	p-Dimethylaminoazobenzene	60-11-7	81 U	81	200	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	20 U	20	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	610 U	610	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDBL

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	20	U 20	41	1
10726	Dimethylphthalate	131-11-3	81	U 81	200	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	200	U 200	610	1
10726	1,3-Dinitrobenzene	99-65-0	81	U 81	200	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	81	U 81	200	1
10726	2,6-Dinitrotoluene	606-20-2	20	U 20	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	20	U 20	41	1
10726	Ethyl methanesulfonate	62-50-0	81	U 81	200	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	81	U 81	210	1
10726	Fluoranthene	206-44-0	4	U 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	20	U 20	41	1
10726	Hexachlorocyclopentadiene	77-47-4	200	U 200	610	1
10726	Hexachloroethane	67-72-1	41	U 41	200	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	21	1
10726	Isodrin	465-73-6	20	U 20	41	1
10726	Isophorone	78-59-1	20	U 20	41	1
10726	Isosafrole	120-58-1	81	U 81	200	1
10726	Methapyrilene	91-80-5	2,000	U 2,000	6,100	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	200	1
10726	3-Methylcholanthrene	56-49-5	20	U 20	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	20	U 20	41	1
10726	4-Methylphenol	106-44-5	20	U 20	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	200	U 200	610	1
10726	2-Naphthylamine	91-59-8	200	U 200	610	1
10726	2-Nitroaniline	88-74-4	20	U 20	41	1
10726	3-Nitroaniline	99-09-2	81	U 81	200	1
10726	4-Nitroaniline	100-01-6	81	U 81	200	1
10726	Nitrobenzene	98-95-3	20	U 20	41	1
10726	5-Nitro-o-toluidine	99-55-8	200	U 200	610	1
10726	2-Nitrophenol	88-75-5	20	U 20	41	1
10726	4-Nitrophenol	100-02-7	200	U 200	610	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	20	U 20	41	1
10726	N-Nitrosodimethylamine	62-75-9	81	U 81	200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDBL

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	81	U 81	200	1
10726	N-Nitroso-di-n-propylamine	621-64-7	20	U 20	41	1
10726	N-Nitrosodiphenylamine	86-30-6	20	U 20	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	81	U 81	200	1
10726	N-Nitrosomorpholine	59-89-2	81	U 81	200	1
10726	N-Nitrosopiperidine	100-75-4	20	U 20	41	1
10726	N-Nitrosopyrrolidine	930-55-2	20	U 20	41	1
10726	Di-n-octylphthalate	117-84-0	81	U 81	200	1
10726	Pentachlorobenzene	608-93-5	20	U 20	41	1
10726	Pentachloronitrobenzene	82-68-8	81	U 81	200	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	81	U 81	200	1
10726	Phenanthrene	85-01-8	4	U 4	21	1
10726	Phenol	108-95-2	20	U 20	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	200	1
10726	Pyrene	129-00-0	4	U 4	21	1
10726	Pyridine	110-86-1	81	U 81	200	1
10726	Safrole	94-59-7	81	U 81	200	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	20	U 20	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	81	U 81	200	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	81	U 81	200	1
10726	Thionazin	297-97-2	81	U 81	200	1
10726	o-Toluidine	95-53-4	240	U 240	810	1
10726	1,2,4-Trichlorobenzene	120-82-1	20	U 20	41	1
10726	2,4,5-Trichlorophenol	95-95-4	20	U 20	41	1
10726	2,4,6-Trichlorophenol	88-06-2	20	U 20	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	81	U 81	200	1
10726	1,3,5-Trinitrobenzene	99-35-4	200	U 200	610	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	6.1	U 6.1	12	1
12925	Ethylene glycol	107-21-1	6.1	U 6.1	12	1
12925	Propylene glycol	57-55-6	6.1	U 6.1	12	1
12925	Triethylene glycol	112-27-6	6.1	U 6.1	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	12.6	0.0384	1.16	1
06947	Beryllium	7440-41-7	0.494	J 0.0780	1.16	1
06949	Cadmium	7440-43-9	0.0384	U 0.0384	1.16	1
06951	Chromium	7440-47-3	1.33	J 0.128	3.49	1
06952	Cobalt	7440-48-4	0.858	J 0.112	1.16	1
06953	Copper	7440-50-8	1.27	J 0.384	2.33	1
01654	Iron	7439-89-6	6,090	3.89	46.6	1
06958	Manganese	7439-96-5	106	0.0966	1.16	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSDBL

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	0.453 J	0.175	2.33	1
06966	Silver	7440-22-4	0.221 U	0.221	1.16	1
06969	Tin	7440-31-5	1.72 J	0.501	23.3	1
06971	Vanadium	7440-62-2	7.51	0.106	1.16	1
06972	Zinc	7440-66-6	11.8	0.303	4.66	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.0983 U	0.0983	0.466	2
06125	Arsenic	7440-38-2	0.382 J	0.0994	0.931	2
06135	Lead	7439-92-1	2.87	0.0149	0.466	2
06141	Selenium	7782-49-2	0.126 J	0.116	0.931	2
06145	Thallium	7440-28-0	0.114 J	0.0349	0.233	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0113 U	0.0113	0.226	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	440	122	367	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	78.4	0.50	0.50	1
07103	3.35 mm	n.a.	72.3	0.50	0.50	1
07103	2.36 mm	n.a.	67.3	0.50	0.50	1
07103	1.18 mm	n.a.	61.0	0.50	0.50	1
07103	0.6 mm	n.a.	49.4	0.50	0.50	1
07103	0.3 mm	n.a.	31.6	0.50	0.50	1
07103	0.15 mm	n.a.	15.4	0.50	0.50	1
07103	0.075 mm	n.a.	0.68	0.50	0.50	1
07103	0.064 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.05 mm	n.a.	1.0	0.50	0.50	1
07103	0.02 mm	n.a.	1.0	0.50	0.50	1
07103	0.005 mm	n.a.	0.50	0.50	0.50	1
07103	0.002 mm	n.a.	0.50	0.50	0.50	1
07103	0.001 mm	n.a.	0.50	0.50	0.50	1
The grain size percent passing results are anomalous for particle sizes 0.075 mm, 0.064 mm and 0.05 mm due to matrix interference.						
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	18.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7651659
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDBL

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 17:33	Chelsea B Stong	0.85
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/23/2014 12:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/23/2014 12:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/23/2014 12:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 14:24	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 04:18	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:49	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:24	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:24	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:24	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:24	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:24	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:10	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 23:17	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Dry Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	9	J	7	21	0.83
10237	Acetonitrile	75-05-8	26	U	26	100	0.83
10237	Acrolein	107-02-8	21	U	21	100	0.83
10237	Acrylonitrile	107-13-1	4	U	4	21	0.83
10237	Allyl Chloride	107-05-1	1	U	1	5	0.83
10237	Benzene	71-43-2	0.5	U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.83
10237	Bromoform	75-25-2	1	U	1	5	0.83
10237	Bromomethane	74-83-9	2	U	2	5	0.83
10237	2-Butanone	78-93-3	4	U	4	10	0.83
10237	Carbon Disulfide	75-15-0	1	U	1	5	0.83
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.83
10237	Chlorobenzene	108-90-7	1	U	1	5	0.83
10237	Chloroethane	75-00-3	2	U	2	5	0.83
10237	Chloroform	67-66-3	1	U	1	5	0.83
10237	Chloromethane	74-87-3	2	U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.83
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.83
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.83
10237	Dibromomethane	74-95-3	1	U	1	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	52	0.83
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.83
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.83
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.83
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.83
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.83
10237	Ethylbenzene	100-41-4	1	U	1	5	0.83
10237	2-Hexanone	591-78-6	3	U	3	10	0.83
10237	Isobutyl Alcohol	78-83-1	100	U	100	260	0.83
10237	Methacrylonitrile	126-98-7	5	U	5	52	0.83
10237	Methyl Iodide	74-88-4	3	U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	10	0.83
10237	Methylene Chloride	75-09-2	2	U	2	5	0.83
10237	Pentachloroethane	76-01-7	1	U	1	5	0.83
10237	Propionitrile	107-12-0	31	U	31	100	0.83
10237	Styrene	100-42-5	1	U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.83
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	5	0.83
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.83
10237	Toluene	108-88-3	1	U	1	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.83
10237	Trichloroethene	79-01-6	1	U	1	5	0.83
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	310	4	21	1
10726	Acenaphthylene	208-96-8	11 J	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	83 U	83	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	750	4	21	1
10726	Benzo(a)anthracene	56-55-3	2,200	4	21	1
10726	Benzo(a)pyrene	50-32-8	1,900	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	2,800	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	1,300	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	1,000	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	83 U	83	210	1
10726	Di-n-butylphthalate	84-74-2	83 U	83	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	2,000	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	370	4	21	1
10726	Dibenzofuran	132-64-9	120	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	83 U	83	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	83 U	83	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	83	U 83	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	83	U 83	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	83	U 83	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	83	U 83	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	83	U 83	210	1
10726	Fluoranthene	206-44-0	4,500	4	21	1
10726	Fluorene	86-73-7	300	4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,200	4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	83	U 83	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	34	4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	58	4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	83	U 83	210	1
10726	4-Nitroaniline	100-01-6	83	U 83	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	83	U 83	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	83	U 83	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	83	U 83	210	1
10726	N-Nitrosomorpholine	59-89-2	83	U 83	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	83	U 83	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	83	U 83	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	83	U 83	210	1
10726	Phenanthrene	85-01-8	2,900	4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	3,500	4	21	1
10726	Pyridine	110-86-1	83	U 83	210	1
10726	Safrole	94-59-7	83	U 83	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	83	U 83	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	83	U 83	210	1
10726	Thionazin	297-97-2	83	U 83	210	1
10726	o-Toluidine	95-53-4	250	U 250	830	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	83	U 83	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg	
		Rev 3				
12925	Diethylene glycol	111-46-6	6.2	U 6.2	12	1
12925	Ethylene glycol	107-21-1	6.2	U 6.2	12	1
12925	Propylene glycol	57-55-6	6.2	U 6.2	12	1
12925	Triethylene glycol	112-27-6	6.2	U 6.2	12	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	15.2	0.0391	1.18	1
06947	Beryllium	7440-41-7	0.143	J 0.0794	1.18	1
06949	Cadmium	7440-43-9	0.0391	U 0.0391	1.18	1
06951	Chromium	7440-47-3	1.57	J 0.130	3.55	1
06952	Cobalt	7440-48-4	1.14	J 0.114	1.18	1
06953	Copper	7440-50-8	1.49	J 0.391	2.37	1
01654	Iron	7439-89-6	4,920	3.96	47.4	1
06958	Manganese	7439-96-5	101	0.0983	1.18	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	0.944 J	0.178	2.37	1
06966	Silver	7440-22-4	0.225 U	0.225	1.18	1
06969	Tin	7440-31-5	1.60 J	0.509	23.7	1
06971	Vanadium	7440-62-2	6.38	0.108	1.18	1
06972	Zinc	7440-66-6	16.6	0.308	4.74	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.100 U	0.100	0.474	2
06125	Arsenic	7440-38-2	0.344 J	0.101	0.948	2
06135	Lead	7439-92-1	2.49	0.0152	0.474	2
06141	Selenium	7782-49-2	0.118 U	0.118	0.948	2
06145	Thallium	7440-28-0	0.138 J	0.0355	0.237	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0122 U	0.0122	0.244	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	631	124	373	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	96.4	0.50	0.50	1
07103	4.75 mm	n.a.	77.1	0.50	0.50	1
07103	3.35 mm	n.a.	70.3	0.50	0.50	1
07103	2.36 mm	n.a.	63.7	0.50	0.50	1
07103	1.18 mm	n.a.	57.0	0.50	0.50	1
07103	0.6 mm	n.a.	43.1	0.50	0.50	1
07103	0.3 mm	n.a.	26.4	0.50	0.50	1
07103	0.15 mm	n.a.	11.2	0.50	0.50	1
07103	0.075 mm	n.a.	4.2	0.50	0.50	1
07103	0.064 mm	n.a.	3.0	0.50	0.50	1
07103	0.05 mm	n.a.	2.0	0.50	0.50	1
07103	0.02 mm	n.a.	1.0	0.50	0.50	1
07103	0.005 mm	n.a.	0.50	0.50	0.50	1
07103	0.002 mm	n.a.	0.50	0.50	0.50	1
07103	0.001 mm	n.a.	0.50	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7651660
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD28

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 20:38	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/23/2014 15:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/23/2014 15:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/23/2014 15:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 15:15	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 04:33	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:53	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:27	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:27	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:27	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:27	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:27	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:12	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 23:28	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Dry Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	23	J	9	25	0.89
10237	Acetonitrile	75-05-8	32	U	32	130	0.89
10237	Acrolein	107-02-8	25	U	25	130	0.89
10237	Acrylonitrile	107-13-1	5	U	5	25	0.89
10237	Allyl Chloride	107-05-1	1	U	1	6	0.89
10237	Benzene	71-43-2	0.6	U	0.6	6	0.89
10237	Bromodichloromethane	75-27-4	1	U	1	6	0.89
10237	Bromoform	75-25-2	1	U	1	6	0.89
10237	Bromomethane	74-83-9	3	U	3	6	0.89
10237	2-Butanone	78-93-3	5	U	5	13	0.89
10237	Carbon Disulfide	75-15-0	1	U	1	6	0.89
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	0.89
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	0.89
10237	Chlorobenzene	108-90-7	1	U	1	6	0.89
10237	Chloroethane	75-00-3	3	U	3	6	0.89
10237	Chloroform	67-66-3	1	U	1	6	0.89
10237	Chloromethane	74-87-3	3	U	3	6	0.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	6	0.89
10237	Dibromochloromethane	124-48-1	1	U	1	6	0.89
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	0.89
10237	Dibromomethane	74-95-3	1	U	1	6	0.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	13	U	13	64	0.89
10237	Dichlorodifluoromethane	75-71-8	3	U	3	6	0.89
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	0.89
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	0.89
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	0.89
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	0.89
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	0.89
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	0.89
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	0.89
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	0.89
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	0.89
10237	Ethylbenzene	100-41-4	1	U	1	6	0.89
10237	2-Hexanone	591-78-6	4	U	4	13	0.89
10237	Isobutyl Alcohol	78-83-1	130	U	130	320	0.89
10237	Methacrylonitrile	126-98-7	6	U	6	64	0.89
10237	Methyl Iodide	74-88-4	4	U	4	6	0.89
10237	Methyl Methacrylate	80-62-6	1	U	1	6	0.89
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	13	0.89
10237	Methylene Chloride	75-09-2	3	U	3	6	0.89
10237	Pentachloroethane	76-01-7	1	U	1	6	0.89
10237	Propionitrile	107-12-0	38	U	38	130	0.89
10237	Styrene	100-42-5	1	U	1	6	0.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	0.89
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	6	0.89
10237	Tetrachloroethene	127-18-4	1	U	1	6	0.89
10237	Toluene	108-88-3	1	U	1	6	0.89
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	0.89
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	0.89
10237	Trichloroethene	79-01-6	1	U	1	6	0.89
10237	Trichlorofluoromethane	75-69-4	3	U	3	6	0.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.89
10237	Vinyl Acetate	108-05-4	3 U	3	13	0.89
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.89
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.89
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5 U	5	24	1
10726	Acenaphthylene	208-96-8	5 U	5	24	1
10726	Acetophenone	98-86-2	24 U	24	48	1
10726	2-Acetylaminofluorene	53-96-3	95 U	95	240	1
10726	4-Aminobiphenyl	92-67-1	240 U	240	720	1
10726	Aniline	62-53-3	240 U	240	720	1
10726	Anthracene	120-12-7	5 U	5	24	1
10726	Benzo(a)anthracene	56-55-3	5 U	5	24	1
10726	Benzo(a)pyrene	50-32-8	5 U	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	5 U	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	5 U	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	5 U	5	24	1
10726	Benzyl alcohol	100-51-6	240 U	240	720	1
10726	1,1'-Biphenyl	92-52-4	24 U	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	24 U	24	48	1
10726	Butylbenzylphthalate	85-68-7	95 U	95	240	1
10726	Di-n-butylphthalate	84-74-2	95 U	95	240	1
10726	4-Chloro-3-methylphenol	59-50-7	24 U	24	48	1
10726	4-Chloroaniline	106-47-8	24 U	24	48	1
10726	Chlorobenzilate	510-15-6	48 U	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	24 U	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	24 U	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	24 U	24	48	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	10 U	10	47	1
10726	2-Chlorophenol	95-57-8	24 U	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	24 U	24	48	1
10726	Chrysene	218-01-9	5 U	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	48 U	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	24	1
10726	Dibenzofuran	132-64-9	24 U	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	24 U	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	24 U	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	24 U	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	140 U	140	480	1
10726	2,4-Dichlorophenol	120-83-2	24 U	24	48	1
10726	2,6-Dichlorophenol	87-65-0	24 U	24	48	1
10726	Diethylphthalate	84-66-2	95 U	95	240	1
10726	Dimethoate	60-51-5	240 U	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	95 U	95	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	24 U	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	720 U	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	24	U 24	48	1
10726	Dimethylphthalate	131-11-3	95	U 95	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	240	U 240	720	1
10726	1,3-Dinitrobenzene	99-65-0	95	U 95	240	1
10726	2,4-Dinitrophenol	51-28-5	430	U 430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	95	U 95	240	1
10726	2,6-Dinitrotoluene	606-20-2	24	U 24	48	1
10726	1,4-Dioxane	123-91-1	140	U 140	480	1
10726	Diphenyl ether	101-84-8	24	U 24	48	1
10726	Ethyl methanesulfonate	62-50-0	95	U 95	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	95	U 95	240	1
10726	Fluoranthene	206-44-0	6	J 5	24	1
10726	Fluorene	86-73-7	5	U 5	24	1
10726	Hexachlorobenzene	118-74-1	5	U 5	24	1
10726	Hexachlorobutadiene	87-68-3	24	U 24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	240	U 240	720	1
10726	Hexachloroethane	67-72-1	48	U 48	240	1
10726	Hexachloropropene	1888-71-7	140	U 140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	U 5	24	1
10726	Isodrin	465-73-6	24	U 24	48	1
10726	Isophorone	78-59-1	24	U 24	48	1
10726	Isosafrole	120-58-1	95	U 95	240	1
10726	Methapyrilene	91-80-5	2,400	U 2,400	7,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	48	U 48	240	1
10726	3-Methylcholanthrene	56-49-5	24	U 24	48	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	24	1
10726	2-Methylphenol	95-48-7	24	U 24	48	1
10726	4-Methylphenol	106-44-5	24	U 24	48	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	5	U 5	24	1
10726	1,4-Napthoquinone	130-15-4	1,200	U 1,200	4,800	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	240	U 240	720	1
10726	2-Naphthylamine	91-59-8	240	U 240	720	1
10726	2-Nitroaniline	88-74-4	24	U 24	48	1
10726	3-Nitroaniline	99-09-2	95	U 95	240	1
10726	4-Nitroaniline	100-01-6	95	U 95	240	1
10726	Nitrobenzene	98-95-3	24	U 24	48	1
10726	5-Nitro-o-toluidine	99-55-8	240	U 240	720	1
10726	2-Nitrophenol	88-75-5	24	U 24	48	1
10726	4-Nitrophenol	100-02-7	240	U 240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	480	U 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	24	U 24	48	1
10726	N-Nitrosodimethylamine	62-75-9	95	U 95	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	95	U 95	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	24	U 24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	24	U 24	48	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	95	U 95	240	1
10726	N-Nitrosomorpholine	59-89-2	95	U 95	240	1
10726	N-Nitrosopiperidine	100-75-4	24	U 24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	24	U 24	48	1
10726	Di-n-octylphthalate	117-84-0	95	U 95	240	1
10726	Pentachlorobenzene	608-93-5	24	U 24	48	1
10726	Pentachloronitrobenzene	82-68-8	95	U 95	240	1
10726	Pentachlorophenol	87-86-5	48	U 48	240	1
10726	Phenacetin	62-44-2	95	U 95	240	1
10726	Phenanthrene	85-01-8	5	U 5	24	1
10726	Phenol	108-95-2	24	U 24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	140	U 140	480	1
10726	Pronamide	23950-58-5	48	U 48	240	1
10726	Pyrene	129-00-0	8	J 5	24	1
10726	Pyridine	110-86-1	95	U 95	240	1
10726	Safrole	94-59-7	95	U 95	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	24	U 24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	95	U 95	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	95	U 95	240	1
10726	Thionazin	297-97-2	95	U 95	240	1
10726	o-Toluidine	95-53-4	290	U 290	950	1
10726	1,2,4-Trichlorobenzene	120-82-1	24	U 24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	24	U 24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	24	U 24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	95	U 95	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	240	U 240	720	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	7.2	U 7.2	14	1
12925	Ethylene glycol	107-21-1	7.2	U 7.2	14	1
12925	Propylene glycol	57-55-6	7.2	U 7.2	14	1
12925	Triethylene glycol	112-27-6	7.2	U 7.2	14	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	29.4	0.0454	1.38	1
06947	Beryllium	7440-41-7	1.01	J 0.0922	1.38	1
06949	Cadmium	7440-43-9	0.0454	U 0.0454	1.38	1
06951	Chromium	7440-47-3	2.41	J 0.151	4.13	1
06952	Cobalt	7440-48-4	2.07	0.132	1.38	1
06953	Copper	7440-50-8	4.12	0.454	2.75	1
01654	Iron	7439-89-6	8,460	4.59	55.0	1
06958	Manganese	7439-96-5	205	0.571	6.88	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	2.45 J	0.206	2.75	1
06966	Silver	7440-22-4	0.261 U	0.261	1.38	1
06969	Tin	7440-31-5	2.98 J	0.592	27.5	1
06971	Vanadium	7440-62-2	14.2	0.125	1.38	1
06972	Zinc	7440-66-6	30.1	0.358	5.50	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.116 U	0.116	0.550	2
06125	Arsenic	7440-38-2	0.838 J	0.117	1.10	2
06135	Lead	7439-92-1	9.16	0.0177	0.550	2
06141	Selenium	7782-49-2	0.276 J	0.138	1.10	2
06145	Thallium	7440-28-0	0.229 J	0.0413	0.275	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0138 U	0.0138	0.276	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	143 U	143	429	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	79.0	0.50	0.50	1
07103	3.35 mm	n.a.	74.6	0.50	0.50	1
07103	2.36 mm	n.a.	69.8	0.50	0.50	1
07103	1.18 mm	n.a.	63.8	0.50	0.50	1
07103	0.6 mm	n.a.	50.2	0.50	0.50	1
07103	0.3 mm	n.a.	33.5	0.50	0.50	1
07103	0.15 mm	n.a.	17.2	0.50	0.50	1
07103	0.075 mm	n.a.	8.9	0.50	0.50	1
07103	0.064 mm	n.a.	8.0	0.50	0.50	1
07103	0.05 mm	n.a.	6.0	0.50	0.50	1
07103	0.02 mm	n.a.	2.0	0.50	0.50	1
07103	0.005 mm	n.a.	0.50	0.50	0.50	1
07103	0.002 mm	n.a.	0.50	0.50	0.50	1
07103	0.001 mm	n.a.	0.50	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	30.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7651661
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD29

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 18:20	Chelsea B Stong	0.89
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/23/2014 15:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/23/2014 15:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/23/2014 15:40	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 15:40	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/28/2014 04:48	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143000010A	10/27/2014 21:00	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 05:20	Tara L Snyder	5
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:57	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:29	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:29	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:29	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:29	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:29	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:14	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/28/2014 23:42	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	18	J	26	0.9
10237	Acetonitrile	75-05-8	33	U	130	0.9
10237	Acrolein	107-02-8	26	U	26	0.9
10237	Acrylonitrile	107-13-1	5	U	5	0.9
10237	Allyl Chloride	107-05-1	1	U	1	0.9
10237	Benzene	71-43-2	0.7	U	0.7	0.9
10237	Bromodichloromethane	75-27-4	1	U	1	0.9
10237	Bromoform	75-25-2	1	U	1	0.9
10237	Bromomethane	74-83-9	3	U	3	0.9
10237	2-Butanone	78-93-3	5	U	5	0.9
10237	Carbon Disulfide	75-15-0	1	U	1	0.9
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.9
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.9
10237	Chlorobenzene	108-90-7	1	U	1	0.9
10237	Chloroethane	75-00-3	3	U	3	0.9
10237	Chloroform	67-66-3	1	U	1	0.9
10237	Chloromethane	74-87-3	3	U	3	0.9
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	0.9
10237	Dibromochloromethane	124-48-1	1	U	1	0.9
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.9
10237	Dibromomethane	74-95-3	1	U	1	0.9
10237	trans-1,4-Dichloro-2-butene	110-57-6	13	U	13	0.9
10237	Dichlorodifluoromethane	75-71-8	3	U	3	0.9
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.9
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.9
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.9
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.9
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.9
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.9
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.9
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.9
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.9
10237	Ethylbenzene	100-41-4	1	U	1	0.9
10237	2-Hexanone	591-78-6	4	U	4	0.9
10237	Isobutyl Alcohol	78-83-1	130	U	130	0.9
10237	Methacrylonitrile	126-98-7	7	U	7	0.9
10237	Methyl Iodide	74-88-4	4	U	4	0.9
10237	Methyl Methacrylate	80-62-6	1	U	1	0.9
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	0.9
10237	Methylene Chloride	75-09-2	3	U	3	0.9
10237	Pentachloroethane	76-01-7	1	U	1	0.9
10237	Propionitrile	107-12-0	39	U	39	0.9
10237	Styrene	100-42-5	1	U	1	0.9
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.9
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	0.9
10237	Tetrachloroethene	127-18-4	1	U	1	0.9
10237	Toluene	108-88-3	1	U	1	0.9
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.9
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.9
10237	Trichloroethene	79-01-6	1	U	1	0.9
10237	Trichlorofluoromethane	75-69-4	3	U	3	0.9

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	7	0.9
10237	Vinyl Acetate	108-05-4	3 U	3	13	0.9
10237	Vinyl Chloride	75-01-4	1 U	1	7	0.9
10237	Xylene (Total)	1330-20-7	1 U	1	7	0.9
GC/MS Semivolatiles SW-846 8270D						
10726	Acenaphthene	83-32-9	5 U	5	24	1
10726	Acenaphthylene	208-96-8	5 U	5	24	1
10726	Acetophenone	98-86-2	24 U	24	48	1
10726	2-Acetylaminofluorene	53-96-3	96 U	96	240	1
10726	4-Aminobiphenyl	92-67-1	240 U	240	720	1
10726	Aniline	62-53-3	240 U	240	720	1
10726	Anthracene	120-12-7	5 U	5	24	1
10726	Benzo(a)anthracene	56-55-3	7 J	5	24	1
10726	Benzo(a)pyrene	50-32-8	11 J	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	14 J	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	11 J	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	5 U	5	24	1
10726	Benzyl alcohol	100-51-6	240 U	240	720	1
10726	1,1'-Biphenyl	92-52-4	24 U	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	24 U	24	48	1
10726	Butylbenzylphthalate	85-68-7	96 U	96	240	1
10726	Di-n-butylphthalate	84-74-2	96 U	96	240	1
10726	4-Chloro-3-methylphenol	59-50-7	24 U	24	48	1
10726	4-Chloroaniline	106-47-8	24 U	24	48	1
10726	Chlorobenzilate	510-15-6	48 U	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	24 U	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	24 U	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	24 U	24	48	1
Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	10 U	10	47	1
10726	2-Chlorophenol	95-57-8	24 U	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	24 U	24	48	1
10726	Chrysene	218-01-9	12 J	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	48 U	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	24	1
10726	Dibenzofuran	132-64-9	24 U	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	24 U	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	24 U	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	24 U	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	140 U	140	480	1
10726	2,4-Dichlorophenol	120-83-2	24 U	24	48	1
10726	2,6-Dichlorophenol	87-65-0	24 U	24	48	1
10726	Diethylphthalate	84-66-2	96 U	96	240	1
10726	Dimethoate	60-51-5	240 U	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	96 U	96	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	24 U	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	720 U	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15
Reported: 11/21/2014 10:04

BSD30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	24	U 24	48	1
10726	Dimethylphthalate	131-11-3	96	U 96	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	240	U 240	720	1
10726	1,3-Dinitrobenzene	99-65-0	96	U 96	240	1
10726	2,4-Dinitrophenol	51-28-5	430	U 430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	96	U 96	240	1
10726	2,6-Dinitrotoluene	606-20-2	24	U 24	48	1
10726	1,4-Dioxane	123-91-1	140	U 140	480	1
10726	Diphenyl ether	101-84-8	24	U 24	48	1
10726	Ethyl methanesulfonate	62-50-0	96	U 96	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	96	U 96	240	1
10726	Fluoranthene	206-44-0	14	J 5	24	1
10726	Fluorene	86-73-7	5	U 5	24	1
10726	Hexachlorobenzene	118-74-1	5	U 5	24	1
10726	Hexachlorobutadiene	87-68-3	24	U 24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	240	U 240	720	1
10726	Hexachloroethane	67-72-1	48	U 48	240	1
10726	Hexachloropropene	1888-71-7	140	U 140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	10	J 5	24	1
10726	Isodrin	465-73-6	24	U 24	48	1
10726	Isophorone	78-59-1	24	U 24	48	1
10726	Isosafrole	120-58-1	96	U 96	240	1
10726	Methapyrilene	91-80-5	2,400	U 2,400	7,200	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	48	U 48	240	1
10726	3-Methylcholanthrene	56-49-5	24	U 24	48	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	24	1
10726	2-Methylphenol	95-48-7	24	U 24	48	1
10726	4-Methylphenol	106-44-5	24	U 24	48	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	5	U 5	24	1
10726	1,4-Napthoquinone	130-15-4	1,200	U 1,200	4,800	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	240	U 240	720	1
10726	2-Naphthylamine	91-59-8	240	U 240	720	1
10726	2-Nitroaniline	88-74-4	24	U 24	48	1
10726	3-Nitroaniline	99-09-2	96	U 96	240	1
10726	4-Nitroaniline	100-01-6	96	U 96	240	1
10726	Nitrobenzene	98-95-3	24	U 24	48	1
10726	5-Nitro-o-toluidine	99-55-8	240	U 240	720	1
10726	2-Nitrophenol	88-75-5	24	U 24	48	1
10726	4-Nitrophenol	100-02-7	240	U 240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	480	U 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	24	U 24	48	1
10726	N-Nitrosodimethylamine	62-75-9	96	U 96	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	96	U 96	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	24	U 24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	24	U 24	48	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	96	U 96	240	1
10726	N-Nitrosomorpholine	59-89-2	96	U 96	240	1
10726	N-Nitrosopiperidine	100-75-4	24	U 24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	24	U 24	48	1
10726	Di-n-octylphthalate	117-84-0	96	U 96	240	1
10726	Pentachlorobenzene	608-93-5	24	U 24	48	1
10726	Pentachloronitrobenzene	82-68-8	96	U 96	240	1
10726	Pentachlorophenol	87-86-5	48	U 48	240	1
10726	Phenacetin	62-44-2	96	U 96	240	1
10726	Phenanthrene	85-01-8	7	J 5	24	1
10726	Phenol	108-95-2	24	U 24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	140	U 140	480	1
10726	Pronamide	23950-58-5	48	U 48	240	1
10726	Pyrene	129-00-0	14	J 5	24	1
10726	Pyridine	110-86-1	96	U 96	240	1
10726	Safrole	94-59-7	96	U 96	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	24	U 24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	96	U 96	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	96	U 96	240	1
10726	Thionazin	297-97-2	96	U 96	240	1
10726	o-Toluidine	95-53-4	290	U 290	960	1
10726	1,2,4-Trichlorobenzene	120-82-1	24	U 24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	24	U 24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	24	U 24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	96	U 96	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	240	U 240	720	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	7.2	U 7.2	14	1
12925	Ethylene glycol	107-21-1	7.2	U 7.2	14	1
12925	Propylene glycol	57-55-6	7.2	U 7.2	14	1
12925	Triethylene glycol	112-27-6	7.2	U 7.2	14	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	18.5	0.0470	1.42	1
06947	Beryllium	7440-41-7	0.613	J 0.0954	1.42	1
06949	Cadmium	7440-43-9	0.0470	U 0.0470	1.42	1
06951	Chromium	7440-47-3	2.46	J 0.157	4.27	1
06952	Cobalt	7440-48-4	1.34	J 0.137	1.42	1
06953	Copper	7440-50-8	1.97	J 0.470	2.85	1
01654	Iron	7439-89-6	6,310	4.76	57.0	1
06958	Manganese	7439-96-5	116	0.118	1.42	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	1.66 J	0.214	2.85	1
06966	Silver	7440-22-4	0.271 U	0.271	1.42	1
06969	Tin	7440-31-5	2.73 J	0.613	28.5	1
06971	Vanadium	7440-62-2	11.9	0.130	1.42	1
06972	Zinc	7440-66-6	18.8	0.370	5.70	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.120 U	0.120	0.570	2
06125	Arsenic	7440-38-2	0.494 J	0.122	1.14	2
06135	Lead	7439-92-1	7.55	0.0183	0.570	2
06141	Selenium	7782-49-2	0.183 J	0.142	1.14	2
06145	Thallium	7440-28-0	0.175 J	0.0427	0.285	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0137 U	0.0137	0.275	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	4,890	144	432	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	83.8	0.50	0.50	1
07103	3.35 mm	n.a.	79.4	0.50	0.50	1
07103	2.36 mm	n.a.	73.8	0.50	0.50	1
07103	1.18 mm	n.a.	67.6	0.50	0.50	1
07103	0.6 mm	n.a.	52.2	0.50	0.50	1
07103	0.3 mm	n.a.	32.1	0.50	0.50	1
07103	0.15 mm	n.a.	14.7	0.50	0.50	1
07103	0.075 mm	n.a.	6.7	0.50	0.50	1
07103	0.064 mm	n.a.	5.0	0.50	0.50	1
07103	0.05 mm	n.a.	2.0	0.50	0.50	1
07103	0.02 mm	n.a.	0.50	0.50	0.50	1
07103	0.005 mm	n.a.	0.50	0.50	0.50	1
07103	0.002 mm	n.a.	0.50	0.50	0.50	1
07103	0.001 mm	n.a.	0.50	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	30.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7651662
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSD30

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 18:43	Chelsea B Stong	0.9
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429835980	10/23/2014 15:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429835980	10/23/2014 15:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429835980	10/23/2014 15:30	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 16:05	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143010039A	10/29/2014 00:31	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	2	143010039A	10/28/2014 19:15	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 01:02	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:31	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:31	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:31	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:31	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:31	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143010638001	10/30/2014 13:16	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143010638001	10/30/2014 09:00	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14301049531A	10/29/2014 00:10	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14303820004A	10/30/2014 18:45	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-2 Blank Water
SED SW PW 2014

LL Sample # WW 7651663
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Acetonitrile	75-05-8	25 U	25	100	1
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1
10335	Allyl Chloride	107-05-1	1 U	1	5	1
10335	Benzene	71-43-2	0.5 U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5 U	0.5	1	1
10335	Bromoform	75-25-2	0.5 U	0.5	4	1
10335	Bromomethane	74-83-9	0.5 U	0.5	1	1
10335	2-Butanone	78-93-3	3 U	3	10	1
10335	Carbon Disulfide	75-15-0	1 U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5 U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1 U	1	5	1
10335	Chlorobenzene	108-90-7	0.5 U	0.5	1	1
10335	Chloroethane	75-00-3	0.5 U	0.5	1	1
10335	Chloroform	67-66-3	0.5 U	0.5	1	1
10335	Chloromethane	74-87-3	0.5 U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2 U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5 U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5 U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5 U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15 U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	0.5 U	0.5	1	1
10335	1,1-Dichloroethane	75-34-3	0.5 U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5 U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5 U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5 U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5 U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5 U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5 U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1 U	1	5	1
10335	Ethylbenzene	100-41-4	0.5 U	0.5	1	1
10335	2-Hexanone	591-78-6	3 U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100 U	100	250	1
10335	Methacrylonitrile	126-98-7	10 U	10	50	1
10335	Methyl Iodide	74-88-4	0.5 U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1 U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3 U	3	10	1
10335	Methylene Chloride	75-09-2	2 U	2	4	1
10335	Pentachloroethane	76-01-7	1 U	1	5	1
10335	Propionitrile	107-12-0	30 U	30	100	1
10335	Styrene	100-42-5	1 U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5 U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5 U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5 U	0.5	1	1
10335	Toluene	108-88-3	0.5 U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5 U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5 U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5 U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5 U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-2 Blank Water
SED SW PW 2014

LL Sample # WW 7651663
LL Group # 1513826
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/21/2014 10:04

BSDTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143002AA	10/27/2014 18:10	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143002AA	10/27/2014 18:10	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: X143001AA										
Sample number(s): 7651656-7651662										
Acetone	7	U	7.	20	ug/kg	101	100	53-141	1	30
Acetonitrile	25	U	25.	100	ug/kg	110	112	61-147	3	30
Acrolein	20	U	20.	100	ug/kg	130*	124*	58-122	5	30
Acrylonitrile	4	U	4.	20	ug/kg	94	94	58-123	0	30
Allyl Chloride	1	U	1.	5	ug/kg	99	100	61-132	1	30
Benzene	0.5	U	0.5	5	ug/kg	102	102	80-120	0	30
Bromodichloromethane	1	U	1.	5	ug/kg	95	95	75-120	0	30
Bromoform	1	U	1.	5	ug/kg	87	86	70-126	1	30
Bromomethane	2	U	2.	5	ug/kg	94	93	32-162	1	30
2-Butanone	4	U	4.	10	ug/kg	95	94	62-123	1	30
Carbon Disulfide	1	U	1.	5	ug/kg	104	102	63-128	2	30
Carbon Tetrachloride	1	U	1.	5	ug/kg	103	99	69-130	3	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	97	96	73-120	2	30
Chlorobenzene	1	U	1.	5	ug/kg	97	96	80-120	0	30
Chloroethane	2	U	2.	5	ug/kg	102	97	17-171	4	30
Chloroform	1	U	1.	5	ug/kg	105	103	80-125	1	30
Chloromethane	2	U	2.	5	ug/kg	109	105	56-120	4	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	93	92	59-122	1	30
Dibromochloromethane	1	U	1.	5	ug/kg	92	91	77-120	1	30
1,2-Dibromoethane	1	U	1.	5	ug/kg	94	94	80-120	0	30
Dibromomethane	1	U	1.	5	ug/kg	95	94	80-120	1	30
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	112	109	70-128	3	30
Dichlorodifluoromethane	2	U	2.	5	ug/kg	108	104	26-137	4	30
1,1-Dichloroethane	1	U	1.	5	ug/kg	103	102	80-122	0	30
1,2-Dichloroethane	1	U	1.	5	ug/kg	104	102	77-130	1	30
1,1-Dichloroethene	1	U	1.	5	ug/kg	102	99	73-129	3	30
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	97	97	80-120	0	30
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	104	101	80-129	3	30
1,2-Dichloropropane	1	U	1.	5	ug/kg	102	101	80-120	1	30
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	88	89	74-120	1	30
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	96	98	76-120	1	30
Ethyl Methacrylate	1	U	1.	5	ug/kg	86	85	65-120	1	30
Ethylbenzene	1	U	1.	5	ug/kg	97	97	80-120	0	30
2-Hexanone	3	U	3.	10	ug/kg	100	99	51-120	2	30
Isobutyl Alcohol	100	U	100.	250	ug/kg	108	110	64-121	1	30
Methacrylonitrile	5	U	5.	50	ug/kg	97	96	73-127	1	30
Methyl Iodide	3	U	3.	5	ug/kg	94	92	72-130	2	30
Methyl Methacrylate	1	U	1.	5	ug/kg	83	83	60-120	0	30
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	97	95	57-123	3	30
Methylene Chloride	2	U	2.	5	ug/kg	101	102	80-124	1	30
Pentachloroethane	1	U	1.	5	ug/kg	90	90	71-120	1	30
Propionitrile	30	U	30.	100	ug/kg	117	119	63-131	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Styrene	1 U	1.	5	ug/kg	89	89	76-120	0	30
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	95	94	80-120	1	30
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	97	97	71-123	1	30
Tetrachloroethene	1 U	1.	5	ug/kg	93	91	78-120	2	30
Toluene	1 U	1.	5	ug/kg	100	100	80-120	0	30
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	97	94	63-135	3	30
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	95	95	80-120	0	30
Trichloroethene	1 U	1.	5	ug/kg	99	97	80-125	3	30
Trichlorofluoromethane	2 U	2.	5	ug/kg	105	99	58-133	6	30
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	100	95	71-123	5	30
Vinyl Acetate	2 U	2.	10	ug/kg	112	112	40-127	1	30
Vinyl Chloride	1 U	1.	5	ug/kg	104	98	59-120	6	30
Xylene (Total)	1 U	1.	5	ug/kg	93	92	80-120	1	30
Batch number: Y143002AA Sample number(s): 7651663									
Acetone	6 U	6.	20	ug/l	74	75	55-129	2	30
Acetonitrile	25 U	25.	100	ug/l	112	110	49-163	2	30
Acrolein	40 U	40.	100	ug/l	95	95	59-120	0	30
Acrylonitrile	4 U	4.	20	ug/l	76	74	62-120	3	30
Allyl Chloride	1 U	1.	5	ug/l	121*	116	56-120	4	30
Benzene	0.5 U	0.5	1	ug/l	112	110	78-120	1	30
Bromodichloromethane	0.5 U	0.5	1	ug/l	107	103	73-120	4	30
Bromoform	0.5 U	0.5	4	ug/l	96	92	61-120	4	30
Bromomethane	0.5 U	0.5	1	ug/l	72	71	53-130	1	30
2-Butanone	3 U	3.	10	ug/l	82	81	54-133	2	30
Carbon Disulfide	1 U	1.	5	ug/l	113	110	58-126	3	30
Carbon Tetrachloride	0.5 U	0.5	1	ug/l	118	115	74-130	3	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/l	117	113	73-120	4	30
Chlorobenzene	0.5 U	0.5	1	ug/l	103	101	80-120	2	30
Chloroethane	0.5 U	0.5	1	ug/l	76	74	56-120	3	30
Chloroform	0.5 U	0.5	1	ug/l	111	109	80-122	2	30
Chloromethane	0.5 U	0.5	1	ug/l	101	100	63-120	1	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/l	70	67	56-120	5	30
Dibromochloromethane	0.5 U	0.5	1	ug/l	107	104	72-120	3	30
1,2-Dibromoethane	0.5 U	0.5	1	ug/l	101	99	80-120	2	30
Dibromomethane	0.5 U	0.5	1	ug/l	98	97	80-120	1	30
trans-1,4-Dichloro-2-butene	15 U	15.	50	ug/l	102	98	47-139	4	30
Dichlorodifluoromethane	0.5 U	0.5	1	ug/l	105	103	55-127	2	30
1,1-Dichloroethane	0.5 U	0.5	1	ug/l	119	116	80-120	3	30
1,2-Dichloroethane	0.5 U	0.5	1	ug/l	111	109	65-135	2	30
1,1-Dichloroethene	0.5 U	0.5	1	ug/l	117	114	76-124	2	30
cis-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	113	110	80-120	3	30
trans-1,2-Dichloroethene	0.5 U	0.5	1	ug/l	114	112	80-120	1	30
1,2-Dichloropropane	0.5 U	0.5	1	ug/l	110	108	80-120	2	30
cis-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	105	103	80-120	1	30
trans-1,3-Dichloropropene	0.5 U	0.5	1	ug/l	105	103	76-120	2	30
Ethyl Methacrylate	1 U	1.	5	ug/l	90	87	73-120	3	30
Ethylbenzene	0.5 U	0.5	1	ug/l	103	102	79-120	1	30
2-Hexanone	3 U	3.	10	ug/l	67	66	57-127	2	30
Isobutyl Alcohol	100 U	100.	250	ug/l	95	95	63-134	0	30
Methacrylonitrile	10 U	10.	50	ug/l	91	88	75-120	3	30
Methyl Iodide	0.5 U	0.5	1	ug/l	114	112	75-128	2	30
Methyl Methacrylate	1 U	1.	5	ug/l	88	87	71-120	2	30
4-Methyl-2-pentanone	3 U	3.	10	ug/l	70	68	51-124	2	30
Methylene Chloride	2 U	2.	4	ug/l	111	110	80-120	1	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Pentachloroethane	1 U	1.	5	ug/l	103	95	74-120	9	30
Propionitrile	30 U	30.	100	ug/l	102	102	73-133	0	30
Styrene	1 U	1.	5	ug/l	100	98	80-120	2	30
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	106	103	80-120	3	30
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	86	83	70-120	3	30
Tetrachloroethene	0.5 U	0.5	1	ug/l	110	114	80-120	3	30
Toluene	0.5 U	0.5	1	ug/l	108	107	80-120	1	30
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	96	95	66-126	1	30
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	99	98	80-120	1	30
Trichloroethene	0.5 U	0.5	1	ug/l	110	110	80-120	1	30
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	100	99	58-135	1	30
1,2,3-Trichloropropane	1 U	1.	5	ug/l	86	85	76-120	1	30
Vinyl Acetate	2 U	2.	10	ug/l	120	120	56-135	0	30
Vinyl Chloride	0.5 U	0.5	1	ug/l	96	94	63-120	2	30
Xylene (Total)	0.5 U	0.5	1	ug/l	103	102	80-120	1	30

Batch number: 14301SLB026

Sample number(s): 7651656-7651662

Acenaphthene	3 U	3.	17	ug/kg	96		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	120		83-127		
Acetophenone	17 U	17.	33	ug/kg	106		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	105		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	50		14-89		
Aniline	170 U	170.	500	ug/kg	76		43-110		
Anthracene	3 U	3.	17	ug/kg	104		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	108		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	112		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	102		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	106		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	120		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	98		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	99		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	105		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	101		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	117		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	52		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	118		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	99		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	98		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	98		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	79		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	116		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	102		83-115		
Chrysene	3 U	3.	17	ug/kg	108		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	97		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	106		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	105		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	101		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	98		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	87		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	115		81-123		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,6-Dichlorophenol	17 U	17.	33	ug/kg	114		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	105		81-118		
Dimethoate	170 U	170.	500	ug/kg	40		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	120		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	94*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	108		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	115		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	102		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	100		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	110		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	90		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	113		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	115		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	69		33-86		
Diphenyl ether	17 U	17.	33	ug/kg	97		84-108		
Ethyl methanesulfonate	67 U	67.	170	ug/kg	104		77-121		
bis(2-Ethylhexyl)phthalate	67 U	67.	170	ug/kg	102		81-121		
Fluoranthene	3 U	3.	17	ug/kg	105		75-118		
Fluorene	3 U	3.	17	ug/kg	108		86-118		
Hexachlorobenzene	3 U	3.	17	ug/kg	90		80-121		
Hexachlorobutadiene	17 U	17.	33	ug/kg	100		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	130		60-157		
Hexachloroethane	33 U	33.	170	ug/kg	102		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3 U	3.	17	ug/kg	101		76-122		
Isodrin	17 U	17.	33	ug/kg	104		85-128		
Isophorone	17 U	17.	33	ug/kg	110		83-119		
Isosafrole	67 U	67.	170	ug/kg	106		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	94		70-130		
Methyl methanesulfonate	33 U	33.	170	ug/kg	99		73-117		
3-Methylcholanthrene	17 U	17.	33	ug/kg	111		85-126		
2-Methylnaphthalene	3 U	3.	17	ug/kg	102		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	109		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	112		75-119		
Naphthalene	3 U	3.	17	ug/kg	100		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	90		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	70		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	49		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	73		39-99		
2-Nitroaniline	17 U	17.	33	ug/kg	108		84-126		
3-Nitroaniline	67 U	67.	170	ug/kg	96		66-119		
4-Nitroaniline	67 U	67.	170	ug/kg	104		48-112		
Nitrobenzene	17 U	17.	33	ug/kg	103		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	110		83-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Nitrophenol	170 U	170.	500	ug/kg	112		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	131		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	97		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	107		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	106		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	92		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	98		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	87		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	104		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	111		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	110		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	113		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	97		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	109		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	103		46-133		
Phenacetin	67 U	67.	170	ug/kg	107		76-119		
Phenanthrene	3 U	3.	17	ug/kg	99		80-114		
Phenol	17 U	17.	33	ug/kg	112		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	91		64-108		
Pronamide	33 U	33.	170	ug/kg	100		72-119		
Pyrene	3 U	3.	17	ug/kg	100		81-114		
Pyridine	67 U	67.	170	ug/kg	90		51-109		
Safrole	67 U	67.	170	ug/kg	108		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	102		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	116		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	98		77-123		
Thionazin	67 U	67.	170	ug/kg	98		76-123		
o-Toluidine	200 U	200.	670	ug/kg	55		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	104		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	104		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	89		67-111		
Batch number: 143000010A	Sample number(s): 7651656-7651661								
Diethylene glycol	5.0 U	5.0	10	mg/kg	99		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	100		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	100		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	100		34-145		
Batch number: 143010039A	Sample number(s): 7651662								
Diethylene glycol	5.0 U	5.0	10	mg/kg	102		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	102		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	103		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	103		34-145		
Batch number: 143010637001	Sample number(s): 7651656-7651662								
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	105		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Cadmium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	103		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Iron	3.34 U	3.34	40.0	mg/kg	105		80-120		
Manganese	0.0830 U	0.0830	1.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	105		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	99		80-120		
Tin	1.39 J	0.430	20.0	mg/kg	102		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	107		80-120		
Zinc	0.439 J	0.260	4.00	mg/kg	104		80-120		
Batch number: 143010637001A	Sample number(s): 7651656-7651662								
Antimony	0.0844 U	0.0844	0.400	mg/kg	100		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	101		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	112		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	108		80-120		
Batch number: 143010637001B	Sample number(s): 7651656-7651662								
Selenium	0.100 U	0.100	0.800	mg/kg	114		80-120		
Batch number: 143010638001	Sample number(s): 7651656-7651662								
Mercury	0.0100 U	0.0100	0.200	mg/kg	82		80-120		
Batch number: 14301049531A	Sample number(s): 7651656-7651662								
Total Organic Carbon (TOC)	100 U	100.	300	mg/kg	83		47-143		
Batch number: 14303820004A	Sample number(s): 7651656-7651662								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X143001AA	Sample number(s): 7651656-7651662 BKG: 7651659								
Acetone						17	13	J 25 (1)	30
Acetonitrile						21	U 19	U 0 (1)	30
Acrolein						17	U 15	U 0 (1)	30
Acrylonitrile						3	U 3	U 0 (1)	30
Allyl Chloride						0.9	U 0.8	U 0 (1)	30
Benzene						0.4	U 0.4	U 0 (1)	30
Bromodichloromethane						0.9	U 0.8	U 0 (1)	30
Bromoform						0.9	U 0.8	U 0 (1)	30
Bromomethane						2	U 2	U 0 (1)	30
2-Butanone						3	U 3	U 0 (1)	30
Carbon Disulfide						0.9	U 0.8	U 0 (1)	30
Carbon Tetrachloride						0.9	U 0.8	U 0 (1)	30
2-Chloro-1,3-butadiene						0.9	U 0.8	U 0 (1)	30
Chlorobenzene						0.9	U 0.8	U 0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>		<u>DUP</u> <u>Conc</u>		<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>
Chloroethane						2	U	2	U	0 (1)	30
Chloroform						0.9	U	0.8	U	0 (1)	30
Chloromethane						2	U	2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						2	U	2	U	0 (1)	30
Dibromochloromethane						0.9	U	0.8	U	0 (1)	30
1,2-Dibromoethane						0.9	U	0.8	U	0 (1)	30
Dibromomethane						0.9	U	0.8	U	0 (1)	30
trans-1,4-Dichloro-2-butene						9	U	8	U	0 (1)	30
Dichlorodifluoromethane						2	U	2	U	0 (1)	30
1,1-Dichloroethane						0.9	U	0.8	U	0 (1)	30
1,2-Dichloroethane						0.9	U	0.8	U	0 (1)	30
1,1-Dichloroethene						0.9	U	0.8	U	0 (1)	30
cis-1,2-Dichloroethene						0.9	U	0.8	U	0 (1)	30
trans-1,2-Dichloroethene						0.9	U	0.8	U	0 (1)	30
1,2-Dichloropropane						0.9	U	0.8	U	0 (1)	30
cis-1,3-Dichloropropene						0.9	U	0.8	U	0 (1)	30
trans-1,3-Dichloropropene						0.9	U	0.8	U	0 (1)	30
Ethyl Methacrylate						0.9	U	0.8	U	0 (1)	30
Ethylbenzene						0.9	U	0.8	U	0 (1)	30
2-Hexanone						3	U	2	U	0 (1)	30
Isobutyl Alcohol						85	U	77	U	0 (1)	30
Methacrylonitrile						4	U	4	U	0 (1)	30
Methyl Iodide						3	U	2	U	0 (1)	30
Methyl Methacrylate						0.9	U	0.8	U	0 (1)	30
4-Methyl-2-pentanone						3	U	2	U	0 (1)	30
Methylene Chloride						2	U	2	U	0 (1)	30
Pentachloroethane						0.9	U	0.8	U	0 (1)	30
Propionitrile						26	U	23	U	0 (1)	30
Styrene						0.9	U	0.8	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.9	U	0.8	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.9	U	0.8	U	0 (1)	30
Tetrachloroethene						0.9	U	0.8	U	0 (1)	30
Toluene						0.9	U	0.8	U	0 (1)	30
1,1,1-Trichloroethane						0.9	U	0.8	U	0 (1)	30
1,1,2-Trichloroethane						0.9	U	0.8	U	0 (1)	30
Trichloroethene						0.9	U	0.8	U	0 (1)	30
Trichlorofluoromethane						2	U	2	U	0 (1)	30
1,2,3-Trichloropropane						0.9	U	0.8	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.9	U	0.8	U	0 (1)	30
Xylene (Total)						0.9	U	0.8	U	0 (1)	30

Batch number: Y143002AA

Sample number(s): 7651663 BKG: P650395

Acetone						6	U	6	U	0 (1)	30
Acetonitrile						25	U	25	U	0 (1)	30
Acrolein						40	U	40	U	0 (1)	30
Acrylonitrile						4	U	4	U	0 (1)	30
Allyl Chloride						1	U	1	U	0 (1)	30
Benzene						0.5	U	0.5	U	0 (1)	30
Bromodichloromethane						0.5	U	0.5	U	0 (1)	30
Bromoform						0.5	U	0.5	U	0 (1)	30
Bromomethane						0.5	U	0.5	U	0 (1)	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>		<u>DUP</u> <u>Conc</u>		<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>
2-Butanone						3	U	3	U	0 (1)	30
Carbon Disulfide						1	U	1	U	0 (1)	30
Carbon Tetrachloride						0.6	J	0.6	J	3 (1)	30
2-Chloro-1,3-butadiene						1	U	1	U	0 (1)	30
Chlorobenzene						0.5	U	0.5	U	0 (1)	30
Chloroethane						0.5	U	0.5	U	0 (1)	30
Chloroform						1		1		0 (1)	30
Chloromethane						0.5	U	0.5	U	0 (1)	30
1,2-Dibromo-3-chloropropane						2	U	2	U	0 (1)	30
Dibromochloromethane						0.5	U	0.5	U	0 (1)	30
1,2-Dibromoethane						0.5	U	0.5	U	0 (1)	30
Dibromomethane						0.5	U	0.5	U	0 (1)	30
trans-1,4-Dichloro-2-butene						15	U	15	U	0 (1)	30
Dichlorodifluoromethane						0.5	U	0.5	U	0 (1)	30
1,1-Dichloroethane						0.5	U	0.5	U	0 (1)	30
1,2-Dichloroethane						0.5	U	0.5	U	0 (1)	30
1,1-Dichloroethene						0.5	U	0.5	U	0 (1)	30
cis-1,2-Dichloroethene						0.5	U	0.5	U	0 (1)	30
trans-1,2-Dichloroethene						0.5	U	0.5	U	0 (1)	30
1,2-Dichloropropane						0.5	U	0.5	U	0 (1)	30
cis-1,3-Dichloropropene						0.5	U	0.5	U	0 (1)	30
trans-1,3-Dichloropropene						0.5	U	0.5	U	0 (1)	30
Ethyl Methacrylate						1	U	1	U	0 (1)	30
Ethylbenzene						0.5	U	0.5	U	0 (1)	30
2-Hexanone						3	U	3	U	0 (1)	30
Isobutyl Alcohol						100	U	100	U	0 (1)	30
Methacrylonitrile						10	U	10	U	0 (1)	30
Methyl Iodide						0.5	U	0.5	U	0 (1)	30
Methyl Methacrylate						1	U	1	U	0 (1)	30
4-Methyl-2-pentanone						3	U	3	U	0 (1)	30
Methylene Chloride						2	U	2	U	0 (1)	30
Pentachloroethane						1	U	1	U	0 (1)	30
Propionitrile						30	U	30	U	0 (1)	30
Styrene						1	U	1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
Tetrachloroethene						0.5	U	0.5	U	0 (1)	30
Toluene						0.5	U	0.5	U	0 (1)	30
1,1,1-Trichloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2-Trichloroethane						0.5	U	0.5	U	0 (1)	30
Trichloroethene						54		53		2	30
Trichlorofluoromethane						0.5	U	0.5	U	0 (1)	30
1,2,3-Trichloropropane						1	U	1	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.5	U	0.5	U	0 (1)	30
Xylene (Total)						0.5	U	0.5	U	0 (1)	30

Batch number: 14301SLB026	Sample number(s): 7651656-7651662 UNSPK: P648228				
Acenaphthene	97	97	55-132	0	30
Acenaphthylene	120	118	53-143	1	30
Acetophenone	100	102	67-111	2	30
2-Acetylaminofluorene	109	109	48-138	0	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Aminobiphenyl	39	36	10-80	10	30				
Aniline	81	83	23-96	2	30				
Anthracene	106	103	42-147	3	30				
Benzo(a)anthracene	106	105	32-150	1	30				
Benzo(a)pyrene	106	102	36-151	4	30				
Benzo(b)fluoranthene	111	106	29-150	4	30				
Benzo(g,h,i)perylene	109	105	41-147	3	30				
Benzo(k)fluoranthene	101	98	35-146	3	30				
Benzyl alcohol	116	115	69-131	1	30				
1,1'-Biphenyl	100	99	57-123	1	30				
4-Bromophenyl-phenylether	101	97	58-142	4	30				
Butylbenzylphthalate	109	108	50-137	1	30				
Di-n-butylphthalate	105	103	57-130	2	30				
4-Chloro-3-methylphenol	118	116	39-150	2	30				
4-Chloroaniline	43	59	10-100	32*	30				
Chlorobenzilate	116	115	79-128	0	30				
bis(2-Chloroethoxy)methane	100	100	54-128	0	30				
bis(2-Chloroethyl)ether	94	92	69-114	2	30				
bis(2-Chloroisopropyl)ether	94	91	62-120	4	30				
2-Chloronaphthalene	77	80	40-156	4	30				
2-Chlorophenol	112	113	35-152	1	30				
4-Chlorophenyl-phenylether	101	103	56-130	1	30				
Chrysene	107	103	28-146	4	30				
Diallate TRANS/CIS	104	99	45-145	5	30				
Dibenz(a,h)anthracene	109	104	54-142	6	30				
Dibenzofuran	102	104	46-137	2	30				
1,2-Dichlorobenzene	100	97	45-133	3	30				
1,3-Dichlorobenzene	95	95	45-129	0	30				
1,4-Dichlorobenzene	97	94	44-132	4	30				
3,3'-Dichlorobenzidine	90	89	10-143	1	30				
2,4-Dichlorophenol	114	113	39-153	1	30				
2,6-Dichlorophenol	113	111	56-133	2	30				
Diethylphthalate	104	105	54-127	1	30				
Dimethoate	86	88	39-178	3	30				
p-Dimethylaminoazobenzene	123	118	77-123	5	30				
3,3'-Dimethylbenzidine	83	98	10-103	17	30				
7,12-Dimethylbenz[a]anthracene	98	95	44-139	4	30				
2,4-Dimethylphenol	113	116	38-140	3	30				
Dimethylphthalate	101	99	45-135	2	30				
4,6-Dinitro-2-methylphenol	106	104	10-148	2	30				
1,3-Dinitrobenzene	105	105	73-116	0	30				
2,4-Dinitrophenol	110	108	20-143	2	30				
2,4-Dinitrotoluene	108	109	39-144	1	30				
2,6-Dinitrotoluene	113	111	54-134	1	30				
1,4-Dioxane	60	59	10-98	1	30				
Diphenyl ether	98	96	54-125	2	30				
Ethyl methanesulfonate	84	86	44-120	2	30				
bis(2-Ethylhexyl)phthalate	106	106	52-138	0	30				
Fluoranthene	104	100	41-135	3	30				
Fluorene	104	105	55-128	1	30				
Hexachlorobenzene	91	93	46-132	2	30				
Hexachlorobutadiene	106	102	65-125	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Hexachlorocyclopentadiene	81	74	10-153	9	30				
Hexachloroethane	101	95	24-138	6	30				
Hexachloropropene	96	92	39-124	4	30				
Indeno (1,2,3-cd)pyrene	107	99	44-147	8	30				
Isodrin	103	98	10-143	5	30				
Isophorone	114	110	68-119	4	30				
Isosafrole	112	109	69-135	3	30				
Methapyrilene	55*	49*	70-130	12	30				
Methyl methanesulfonate	51	56	10-134	11	30				
3-Methylcholanthrene	116	111	65-123	4	30				
2-Methylnaphthalene	104	105	39-140	1	30				
2-Methylphenol	110	110	36-149	0	30				
4-Methylphenol	107	109	29-143	2	30				
Naphthalene	102	103	44-142	1	30				
1,4-Naphthoquinone	88	84	70-130	5	30				
1-Naphthylamine	61	74	10-92	20	30				
2-Naphthylamine	38	52	10-71	31*	30				
5-Nitro-o-toluidine	97	94	33-107	3	30				
2-Nitroaniline	105	111	64-131	6	30				
3-Nitroaniline	103	105	31-145	2	30				
4-Nitroaniline	96	96	30-131	0	30				
Nitrobenzene	103	102	41-141	1	30				
2-Nitrophenol	109	112	45-146	2	30				
4-Nitrophenol	121	126	25-142	4	30				
4-Nitroquinoline-1-oxide	73	66	10-160	11	30				
N-Nitroso-di-n-propylamine	99	100	58-126	1	30				
N-Nitrosodi-n-butylamine	105	106	38-136	0	30				
N-Nitrosodiethylamine	98	96	56-112	3	30				
N-Nitrosodimethylamine	86	86	61-110	0	30				
N-Nitrosodiphenylamine	104	99	59-135	5	30				
N-Nitrosomethylethylamine	86	85	54-118	1	30				
N-Nitrosomorpholine	98	101	72-121	3	30				
N-Nitrosopiperidine	103	106	48-131	2	30				
N-Nitrosopyrrolidine	104	107	59-131	3	30				
Di-n-octylphthalate	121	120	54-151	1	30				
Pentachlorobenzene	102	104	69-119	2	30				
Pentachloronitrobenzene	115	111	78-116	4	30				
Pentachlorophenol	108	105	23-145	3	30				
Phenacetin	107	103	69-121	4	30				
Phenanthrene	104	98	42-141	7	30				
Phenol	109	109	61-130	0	30				
2-Picoline	84	86	55-104	2	30				
Pronamide	109	108	69-130	2	30				
Pyrene	101	99	37-140	3	30				
Pyridine	83	74	16-108	11	30				
Safrole	108	112	76-114	3	30				
1,2,4,5-Tetrachlorobenzene	99	97	71-120	2	30				
2,3,4,6-Tetrachlorophenol	119	118	62-132	1	30				
Tetraethyldithiopyrophosphate	95	92	76-126	3	30				
Thionazin	92	91	65-123	2	30				
o-Toluidine	75	82	21-84	9	30				
1,2,4-Trichlorobenzene	102	104	50-139	2	30				

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Quality Control Summary

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Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Sample Matrix Quality Control

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<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>
2,4,5-Trichlorophenol	106	105	64-131	1	30					
2,4,6-Trichlorophenol	101	106	60-136	5	30					
O,O,O-Triethylphosphorothioate	95	100	70-119	4	30					
1,3,5-Trinitrobenzene	76	70	10-113	8	30					
Batch number: 143000010A Sample number(s): 7651656-7651661 UNSPK: 7651657										
Diethylene glycol	58	56	48-124	3	20					
Ethylene glycol	61*	59*	68-115	2	20					
Propylene glycol	61*	59*	71-115	4	20					
Triethylene glycol	56	55	23-139	1	20					
Batch number: 143010039A Sample number(s): 7651662 UNSPK: 7651662										
Diethylene glycol	73	75	48-124	2	20					
Ethylene glycol	74	75	68-115	1	20					
Propylene glycol	73	74	71-115	2	20					
Triethylene glycol	74	77	23-139	3	20					
Batch number: 143010637001 Sample number(s): 7651656-7651662 UNSPK: P648228 BKG: P648228										
Barium	100	101	75-125	1	20	13.5	9.02	40*	20	
Beryllium	104	106	75-125	1	20	0.415 J	0.267 J	43* (1)	20	
Cadmium	103	104	75-125	1	20	0.0324 U	0.0320 U	0 (1)	20	
Chromium	92	97	75-125	4	20	3.36	1.35 J	85* (1)	20	
Cobalt	102	103	75-125	2	20	0.946 J	0.746 J	24* (1)	20	
Copper	101	103	75-125	2	20	1.89 J	1.19 J	46* (1)	20	
Iron	-925 (2)	-660 (2)	75-125	10	20	3,370	2,200	42*	20	
Manganese	76	68*	75-125	3	20	110	106	4	20	
Nickel	101	103	75-125	2	20	1.81 J	0.796 J	78* (1)	20	
Silver	100	103	75-125	3	20	0.186 U	0.184 U	0 (1)	20	
Tin	101	102	75-125	1	20	1.58 J	1.47 J	7 (1)	20	
Vanadium	102	104	75-125	2	20	7.44	4.29	54* (1)	20	
Zinc	95	98	75-125	2	20	10.0	6.38	44* (1)	20	
Batch number: 143010637001A Sample number(s): 7651656-7651662 UNSPK: P648228 BKG: P648228										
Antimony	116	128*	75-125	10	20	0.0827 U	0.0819 U	0 (1)	20	
Arsenic	102	131*	75-125	22*	20	0.248 J	0.264 J	6 (1)	20	
Lead	112	123	75-125	6	20	2.56	1.31	64* (1)	20	
Thallium	101	139*	75-125	28*	20	0.0618 J	0.0417 J	39* (1)	20	
Batch number: 143010637001B Sample number(s): 7651656-7651662 UNSPK: P648228 BKG: P648228										
Selenium	110	122	75-125	10	20	0.113 J	0.0971 U	200* (1)	20	
Batch number: 143010638001 Sample number(s): 7651656-7651662 UNSPK: 7651656 BKG: 7651656										
Mercury	88	85	80-120	1	20	0.0223 J	0.0213 J	5 (1)	20	
Batch number: 14301049531A Sample number(s): 7651656-7651662 UNSPK: 7651656 BKG: 7651656										
Total Organic Carbon (TOC)	82		22-155			30,000	29,700	1	13	
Batch number: 14303820004A Sample number(s): 7651656-7651662 BKG: P653466										
Moisture						28.1	28.5	2	5	

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: X143001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7651656	119	107	147*	60
7651657	104	96	115	76
7651658	100	94	102	85
7651659	101	97	98	94
7651660	102	103	98	92
7651661	99	97	98	90
7651662	101	98	97	93
Blank	100	99	99	92
DUP	101	97	97	93
LCS	97	93	103	102
LCSD	97	94	104	103
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles

Batch number: Y143002AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7651663	102	101	99	90
Blank	98	98	100	94
DUP	103	102	100	90
LCS	98	99	101	97
LCSD	99	101	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14301SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7651656	77	78	83	65	67	79
7651657	103	104	110	89	87	101
7651658	95	104	105	96	100	109
7651659	89	97	105	90	97	107
7651660	92	101	100	91	96	107
7651661	90	101	105	96	98	108
7651662	99	105	104	99	97	109
Blank	88	94	105	92	96	116
LCS	109	111	111	97	92	107
MS	103	105	110	97	93	105
MSD	104	104	111	96	93	108
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: 4 Gylcol Compounds

Batch number: 143000010A

Tetramethylene glycol

7651656	48*
7651657	52*
7651658	57*
7651659	71

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/21/14 at 10:04 AM

Group Number: 1513826

Surrogate Quality Control

7651660	72
7651661	66*
Blank	89
LCS	91
MS	54*
MSD	52*

Limits: 71-121

Analysis Name: 4 Gylcol Compounds

Batch number: 143010039A

Tetramethylene glycol

7651662	62*
Blank	89
LCS	95
MS	67*
MSD	67*

Limits: 71-121

*- Outside of specification

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Lancaster Laboratories

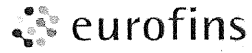
Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1513826 Sample Nos.: 7651656-63
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: 222095 **30341**
Cooler Temperature upon receipt: 1.0 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		<table border="1"> <thead> <tr> <th colspan="10">Analyses Required</th> </tr> </thead> <tbody> <tr> <td>APPIX SVs + Site Specific Metals (S-270)</td> <td>AVS (EPA-821-R-91-100)</td> <td>Glycols (8015C)</td> <td>Grain Size (ASTM D422)</td> <td>Appix Metals + Fe, Mn (6015, 6025, 7115)</td> <td>Moisture (2540G)</td> <td>ADZ (300.0) 7/10/13</td> <td>AD3 (300.0) 4/30/14</td> <td>TOC (SW-846 9060A) mod</td> <td></td> <td></td> </tr> </tbody> </table>										Analyses Required										APPIX SVs + Site Specific Metals (S-270)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	Appix Metals + Fe, Mn (6015, 6025, 7115)	Moisture (2540G)	ADZ (300.0) 7/10/13	AD3 (300.0) 4/30/14	TOC (SW-846 9060A) mod			Comments: <u>Sediment</u> Condition upon receipt: <u>intact</u>	
Analyses Required																																				
APPIX SVs + Site Specific Metals (S-270)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)											Appix Metals + Fe, Mn (6015, 6025, 7115)	Moisture (2540G)	ADZ (300.0) 7/10/13	AD3 (300.0) 4/30/14	TOC (SW-846 9060A) mod																		
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																																		
1300 Staton Road		Release No.:																																		
Cedar Mountain NC 28718		PO Number: LBIO-66380																																		
Sampler(s): <u>M. Epps, K. Teague, C. Burdorf, T. Obvey</u>		Project Name: <u>SED SWPW 2014</u>																																		
Sample Identification				Containers																																
Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.																															
TB- <u>102214-2</u>	<u>10/22/14</u>	<u>1150</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>2</u>	X																													
<u>SSP14-SED-35</u>	<u>10/22/14</u>	<u>1150</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>	X																													
<u>SSP14-SED-35</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>			X																											
<u>SSP14-SED-35</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>500</u>	<u>NONE</u>	<u>1</u>				X																										
<u>SSP14-SED-35</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>		X																												
<u>SSP14-SED-BALLFIELD</u>	<u>10/23/14</u>	<u>1215</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>	X				X	X								X																
<u>SSP14-SED-BALLFIELD</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>				X																										
<u>SSP14-SED-BALLFIELD</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>500</u>	<u>NONE</u>	<u>1</u>				X																										
<u>SSP14-SED-BALLFIELD</u>	<u>↓</u>	<u>↓</u>	<u>SW</u>	<u>125</u>	<u>NONE</u>	<u>1</u>		X																												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:																													
Bottles Relinquished by: <u>John Megashko</u>			Date: <u>10/16/14</u>	Time: <u>10:58</u>			Bottles Received by: <u>J. Alley</u>			Date: <u>10/20/14</u>	Time: <u>1200</u>																									
Bottles Relinquished by: <u>J. Alley</u>			Date: <u>10/24/14</u>	Time: <u>1200</u>			Bottles Received by:			Date:	Time:																									
Bottles Relinquished by:			Date:	Time:			Bottles Received by:			Date:	Time:																									
Bottles Relinquished by:			Date:	Time:			Bottles Received by:			Date: <u>10/15/14</u>	Time: <u>915</u>																									



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513826 Sample Nos.: 7651650-63
Acct: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C26391 **30335**
Cooler Temperature upon receipt: 0.5 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required													Comments:										
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		APPX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod															
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																									
1300 Staton Road		Release No.:																									
Cedar Mountain NC 28718		PO Number: LBIO-66380																									
Sampler(s): <u>T. Obvey, M. Epps, C. Burdorf, K. Teague</u>		Project Name: SED SW PW 2014																									
Sample Identification				Containers																Condition upon receipt:							
Date Collected		Time Collected		Matrix	Volume (ml)	Preserv	No.														<u>intact</u>						
SSP14-SED- <u>28</u>		<u>10/23/14 1555</u>		SW	125	None	1	X																			
SSP14-SED- <u>28</u>		↓		SW	125	None	1		X																		
SSP14-SED- <u>28</u>		↓		SW	500	None	1		X																		
SSP14-SED- <u>28</u>		↓		SW	125	None	1	X																			
SSP14-SED- <u>29</u>		<u>1540</u>		SW	125	None	1	X		X	X		X														
SSP14-SED- <u>29</u>		↓		SW	125	None	1		X																		
SSP14-SED- <u>29</u>		↓		SW	500	None	1		X																		
SSP14-SED- <u>29</u>		↓		SW	125	None	1	X																			
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions:																			
Bottles Relinquished by: <u>Anna Magash</u>		Date: <u>10/16/14</u>		Time: <u>10:58</u>		Bottles Received by: <u>J. Orley</u>		Date: <u>10/20/14</u>		Time: <u>1200</u>																	
Bottles Relinquished by: <u>J. Orley</u>		Date: <u>10/24/14</u>		Time: <u>1200</u>		Bottles Received by:		Date:		Time:																	
Bottles Relinquished by:		Date:		Time:		Bottles Received by:		Date:		Time:																	
Bottles Relinquished by:		Date:		Time:		Bottles Received by:		Date: <u>10/25/14</u>		Time: <u>9:15</u>																	

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>10/25/2014 9:15</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wesley Miller (2308) at 15:44 on 10/25/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.0	DT	Wet	Y	Loose	N
2	DT121	0.5	DT	Wet	Y	Loose/Bag	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 05, 2014

Project: BRE - SED SW PW

Submittal Date: 10/24/2014

Group Number: 1513612

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

Lancaster Labs (LL) #

SSP14-SW-26 Surface Water	7649766
SSP14-SW-26-A Surface Water	7649768
SSP14-SW-33 Surface Water	7649769
SSP14-SW-33-Z Filtered Surface Water	7649770
SSP14-SW-33-A Surface Water	7649771
SSP14-SW-34 Surface Water	7649772
SSP14-SW-34-Z Filtered Surface Water	7649773
SSP14-SW-34-A Surface Water	7649774
SSP14-SW-35 Surface Water	7649775
SSP14-SW-35-Z Filtered Surface Water	7649776
SSP14-SW-35-A Surface Water	7649777
SSP14-SW-28 Surface Water	7649778
SSP14-SW-28-Z Filtered Surface Water	7649779
SSP14-SW-28-A Surface Water	7649780
SSP14-SW-29 Surface Water	7649781
SSP14-SW-29-Z Filtered Surface Water	7649782
SSP14-SW-29-A Surface Water	7649783
SSP14-SW-30 Surface Water	7649784
SSP14-SW-30-Z Filtered Surface Water	7649785
SSP14-SW-30-A Surface Water	7649786
SSP14-SW-04 Surface Water	7649787
SSP14-SW-04 MS Surface Water	7649788
SSP14-SW-04 MSD Surface Water	7649789
SSP14-SW-04 Dupl Surface Water	7649790
SSP14-SW-04-Z Filtered Surface Water	7649791
SSP14-SW-04-Z MS Filtered Surface Water	7649792
SSP14-SW-04-Z MSD Filtered Surface Water	7649793
SSP14-SW-04-Z Dupl Filtered Surface Water	7649794
SSP14-SW-04-A Surface Water	7649795
SSP14-SW-04-A MS Surface Water	7649796
SSP14-SW-04-A MSD Surface Water	7649797

SSP14-SW-04-D Surface Water	7649798
SSP14-SW-04-Z-D Filtered Surface Water	7649799
SSP14-SW-04-D-A Surface Water	7649800
SSP14-SW-BALLFIELD Surface Water	7649801
SSP14-SW-BALLFIELD-Z Filtered Surface Water	7649802
SSP14-SW-BALLFIELD-A Surface Water	7649803
TB-102214-2 Blank Water	7649804
TB-102214-2-A Blank Water	7649805
TB-102214-3 Blank Water	7649806
TB-102214-3-A Blank Water	7649807
TB-102314-1 Blank Water	7649808
TB-102314-1-A Blank Water	7649809
TB-102314-2 Blank Water	7649810
TB-102314-2-A Blank Water	7649811
EB-102314-SW Blank Water	7649812
EB-102314-SW-Z Filtered Surface Water	7649813
EB-102314-SW-A Blank Water	7649814

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SW-26 Surface Water
SED SW PW 2014

LL Sample # WW 7649766
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 J	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	2.4	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.7	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	2.5	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	1.2	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.3 J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.2 J	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-26 Surface Water
SED SW PW 2014

LL Sample # WW 7649766
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	5.0	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 18:12	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 22:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 22:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 18:12	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-26-A Surface Water
SED SW PW 2014

LL Sample # WW 7649768
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:15 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 19:16	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 19:16	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33 Surface Water
SED SW PW 2014

LL Sample # WW 7649769
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33 Surface Water
SED SW PW 2014

LL Sample # WW 7649769
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	2.1		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0022 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.547		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.227 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.176 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0031 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0053 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33 Surface Water
SED SW PW 2014

LL Sample # WW 7649769
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
	Wet Chemistry	SM 2540 D-1997	mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.00 U	2.00	6.00	1
	Reporting limits were raised due to limited sample volume.					

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 18:34	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 22:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 22:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 18:34	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 00:13	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 23:07	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:11	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:46	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:46	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:46	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:46	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:46	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:56	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33 Surface Water
SED SW PW 2014

LL Sample # WW 7649769
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145701A	10/28/2014 10:52	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649770
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved							
SW-846 6010C			mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0018 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.156 J		0.0334	0.400	1
07058	Manganese	7439-96-5	0.00084 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0031 J		0.0020	0.0400	1
SW-846 6020A			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U		0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:45	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649770
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:15	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:15	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:15	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:15	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:15	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:44	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-33-A Surface Water
SED SW PW 2014

LL Sample # WW 7649771
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 19:37	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 19:37	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34 Surface Water
SED SW PW 2014

LL Sample # WW 7649772
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34 Surface Water
SED SW PW 2014

LL Sample # WW 7649772
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	2.1		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0022 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.535		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.224 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.176 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0027 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0029 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34 Surface Water
SED SW PW 2014

LL Sample # WW 7649772
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 1.00 U	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 18:56	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 22:51	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 22:51	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 18:56	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 00:40	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 23:22	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:15	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:49	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:49	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:49	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:49	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:49	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:58	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34 Surface Water
SED SW PW 2014

LL Sample # WW 7649772
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS34

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145701A	10/28/2014	10:52	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649773
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0020 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.143 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00094 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0032 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:49	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649773
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:17	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:17	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:17	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:17	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:17	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:46	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-34-A Surface Water
SED SW PW 2014

LL Sample # WW 7649774
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:20 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 19:58	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 19:58	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35 Surface Water
SED SW PW 2014

LL Sample # WW 7649775
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.6 J		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35 Surface Water
SED SW PW 2014

LL Sample # WW 7649775
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
		SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
		SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles							
		SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous							
		SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	2.2		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0023 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.582		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.233 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.179 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0039 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0379 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35 Surface Water
SED SW PW 2014

LL Sample # WW 7649775
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
10457	Total Suspended Solids	n.a.	2.00 J	mg/l	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 19:19	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 23:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 23:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 19:19	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 01:07	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 23:37	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:19	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:51	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:51	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:51	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:51	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:51	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:00	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35 Surface Water
SED SW PW 2014

LL Sample # WW 7649775
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145701A	10/28/2014 10:52	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649776
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0019 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.152 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0028 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:00	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649776
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:22	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:22	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:22	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:22	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:22	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:48	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-35-A Surface Water
SED SW PW 2014

LL Sample # WW 7649777
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 20:19	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 20:19	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28 Surface Water
SED SW PW 2014

LL Sample # WW 7649778
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28 Surface Water
SED SW PW 2014

LL Sample # WW 7649778
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	2.3		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0035 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.579		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.601		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.205		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0126		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0065 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00033 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28 Surface Water
SED SW PW 2014

LL Sample # WW 7649778
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
	Wet Chemistry	SM 2540 D-1997	mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	5.60 J	2.00	6.00	1
Reporting limits were raised due to interference from the sample matrix.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 19:41	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 23:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 23:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 19:41	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 01:34	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 23:51	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:23	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:53	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:53	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:53	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:53	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:53	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:02	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28 Surface Water
SED SW PW 2014

LL Sample # WW 7649778
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145703A	10/28/2014	13:43	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649779
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0023 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.158 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0019 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0059 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:04	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649779
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:24	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:24	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:24	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:24	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:24	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:51	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-28-A Surface Water
SED SW PW 2014

LL Sample # WW 7649780
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 20:40	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 20:40	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29 Surface Water
SED SW PW 2014

LL Sample # WW 7649781
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29 Surface Water
SED SW PW 2014

LL Sample # WW 7649781
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	6	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	2.2		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0035 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.560		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.448		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.206		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0106		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0056 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00035 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29 Surface Water
SED SW PW 2014

LL Sample # WW 7649781
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 12.8	mg/l 2.00	mg/l 6.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 02:23	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 23:52	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 23:52	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 02:23	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 02:01	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/28/2014 00:06	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:27	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:56	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:56	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:56	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:56	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:56	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:08	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29 Surface Water
SED SW PW 2014

LL Sample # WW 7649781
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS29

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145703A	10/28/2014 13:43	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649782
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0020 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.152 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0013 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:07	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649782
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:26	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:26	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:26	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:26	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:26	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:53	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-29-A Surface Water
SED SW PW 2014

LL Sample # WW 7649783
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 21:01	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 21:01	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30 Surface Water
SED SW PW 2014

LL Sample # WW 7649784
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30 Surface Water
SED SW PW 2014

LL Sample # WW 7649784
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	2.0		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0025 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.519		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.311 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.171 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0057 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0065 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00017 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30 Surface Water
SED SW PW 2014

LL Sample # WW 7649784
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry SM 2540 D-1997			mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	9.67	2.00	6.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 20:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/29/2014 00:12	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/29/2014 00:12	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 20:04	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 02:29	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/28/2014 00:21	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:31	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:58	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:58	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:58	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:58	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:58	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:10	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30 Surface Water
SED SW PW 2014

LL Sample # WW 7649784
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145703A	10/28/2014 13:43	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649785
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0018 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.156 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0013 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0035 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:11	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649785
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:27	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:27	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:27	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:27	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:27	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:55	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-30-A Surface Water
SED SW PW 2014

LL Sample # WW 7649786
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 21:22	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 21:22	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Surface Water
SED SW PW 2014

LL Sample # WW 7649787
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Surface Water
SED SW PW 2014

LL Sample # WW 7649787
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.6		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0066 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.13		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.371 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.426		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0890		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0030 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Surface Water
SED SW PW 2014

LL Sample # WW 7649787
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0			mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	0.25 U	0.25	0.50	5
SM 2540 D-1997			mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.60 J	1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 17:33	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 20:51	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 20:51	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 17:33	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/28/2014 22:24	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143010038A	10/28/2014 21:48	Glorines Suarez-Rivera	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:13	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:13	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:13	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:13	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:13	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:13	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:31	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Surface Water
SED SW PW 2014

LL Sample # WW 7649787
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	16:55	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	16:55	Clinton M Wilson	5
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145704A	10/28/2014	16:23	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MS Surface Water
SED SW PW 2014

LL Sample # WW 7649788
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	36	3.0	5.0	1
02898	Acetonitrile	75-05-8	31	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.2	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	4.7	0.1	0.5	1
02898	2-Butanone	78-93-3	38	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.5	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.7	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.4	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.4	0.1	0.5	1
02898	Chloroethane	75-00-3	4.6	0.1	0.5	1
02898	Chloroform	67-66-3	5.3	0.1	0.5	1
02898	Chloromethane	74-87-3	4.7	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.4	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	33	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.1	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.3	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.6	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.1	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.5	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.2	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.2	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.4	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.4	0.1	0.5	1
02898	2-Hexanone	591-78-6	26	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	42	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.1	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.4	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.2	0.2	0.5	1
02898	Pentachloroethane	76-01-7	6.1	0.2	0.5	1
02898	Propionitrile	107-12-0	40	2.0	10	1
02898	Styrene	100-42-5	5.7	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.4	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Toluene	108-88-3	5.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.3	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.2	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.4	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.1	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MS Surface Water
SED SW PW 2014

LL Sample # WW 7649788
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Vinyl Acetate	108-05-4	15	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Volatiles						
		SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.53	0.010	0.050	1
GC/MS Semivolatiles						
		SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	52	0.5	1	1
10461	1,4-Dioxane	123-91-1	25	1	5	1
10461	Diphenyl ether	101-84-8	51	0.5	1	1
GC Miscellaneous						
		SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	210	8.0	10	1
12926	Ethylene glycol	107-21-1	220	8.0	10	1
12926	Propylene glycol	57-55-6	210	8.0	10	1
12926	Triethylene glycol	112-27-6	200	8.0	10	1
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.07	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0517	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.205	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.521	0.0010	0.0100	1
07053	Copper	7440-50-8	0.261	0.0028	0.0200	1
01754	Iron	7439-89-6	1.41	0.0334	0.400	1
07058	Manganese	7439-96-5	0.611	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.527	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.153	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0494	0.0018	0.0100	1
07069	Tin	7440-31-5	4.06	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.517	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.520	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0057	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0102	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0151	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00086	0.000060	0.00020	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	10.7	0.50	1.0	10
01506	Nitrite Nitrogen	14797-65-0	10.8	0.50	1.0	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MS Surface Water
SED SW PW 2014

LL Sample # WW 7649788
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS04

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 17:56	Kerri E Legerlotz	1
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 18:42	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 21:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 21:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 17:56	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143071AA	11/03/2014 18:42	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/28/2014 22:51	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143010038A	10/28/2014 22:03	Glorines Suarez-Rivera	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:25	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:20	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:20	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:20	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:20	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:20	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:35	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 17:28	Clinton M Wilson	10
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 17:28	Clinton M Wilson	10

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MSD Surface Water
SED SW PW 2014

LL Sample # WW 7649789
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	39	3.0	5.0	1
02898	Acetonitrile	75-05-8	32	7.0	20	1
02898	Allyl Chloride	107-05-1	5.3	0.1	0.5	1
02898	Benzene	71-43-2	5.3	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	5.6	0.1	0.5	1
02898	Bromomethane	74-83-9	4.8	0.1	0.5	1
02898	2-Butanone	78-93-3	41	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.5	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.8	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.5	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	4.7	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	4.9	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	6.1	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	35	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.6	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.2	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.6	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.2	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.3	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.6	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.5	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.4	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	44	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.1	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.8	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.1	0.2	0.5	1
02898	Pentachloroethane	76-01-7	6.0	0.2	0.5	1
02898	Propionitrile	107-12-0	41	2.0	10	1
02898	Styrene	100-42-5	5.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.6	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4	0.1	0.5	1
02898	Toluene	108-88-3	5.4	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.4	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.3	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.4	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.2	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MSD Surface Water
SED SW PW 2014

LL Sample # WW 7649789
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Vinyl Acetate	108-05-4	15	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Volatiles						
		SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.54	0.010	0.050	1
GC/MS Semivolatiles						
		SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	52	0.5	1	1
10461	1,4-Dioxane	123-91-1	25	1	5	1
10461	Diphenyl ether	101-84-8	52	0.5	1	1
GC Miscellaneous						
		SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	200	8.0	10	1
12926	Ethylene glycol	107-21-1	210	8.0	10	1
12926	Propylene glycol	57-55-6	200	8.0	10	1
12926	Triethylene glycol	112-27-6	200	8.0	10	1
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.06	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0519	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.206	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.525	0.0010	0.0100	1
07053	Copper	7440-50-8	0.259	0.0028	0.0200	1
01754	Iron	7439-89-6	1.42	0.0334	0.400	1
07058	Manganese	7439-96-5	0.611	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.530	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.158	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0496	0.0018	0.0100	1
07069	Tin	7440-31-5	4.14	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.517	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.523	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0071	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0096	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0152	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0022	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00091	0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 MSD Surface Water
SED SW PW 2014

LL Sample # WW 7649789
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 18:19	Kerri E Legerlotz	1
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 19:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 21:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 21:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 18:19	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143071AA	11/03/2014 19:04	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/28/2014 23:18	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143010038A	10/28/2014 22:18	Glorines Suarez-Rivera	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 20:29	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:23	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:23	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 18:23	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:23	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:23	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:37	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Dupl Surface Water
SED SW PW 2014

LL Sample # WW 7649790
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
SM 2340 B-1997			mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.6		0.033	0.40	1
SW-846 6010C			mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0067	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
01750	Calcium	7440-70-2	1.13		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.369	J	0.0334	0.400	1
01757	Magnesium	7439-95-4	0.428		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0909		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0036	J	0.0020	0.0400	1
SW-846 6020A			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
SW-846 7470A			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry							
EPA 300.0			mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25	U	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	0.25	U	0.25	0.50	5
SM 2540 D-1997			mg/l		mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.10	J	1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04 Dupl Surface Water
SED SW PW 2014

LL Sample # WW 7649790
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014	10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014	20:21	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014	18:18	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014	18:18	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014	18:18	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014	18:18	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014	18:18	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014	07:33	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	17:12	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	17:12	Clinton M Wilson	5
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145704A	10/28/2014	16:23	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649791
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS4Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0060 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.207 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0845	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0026 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000094 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:23	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649791
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:05	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:05	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:05	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:05	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:05	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:32	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z MS Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649792
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS4Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	1.98	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0492	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.195	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.494	0.0010	0.0100	1
07053	Copper	7440-50-8	0.250	0.0028	0.0200	1
01754	Iron	7439-89-6	1.15	0.0334	0.400	1
07058	Manganese	7439-96-5	0.580	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.500	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.151	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0551	0.0018	0.0100	1
07069	Tin	7440-31-5	3.87	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.514	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.496	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0064	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0096	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0052	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0155	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00090	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:34	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z MS Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649792
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:10	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:10	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:10	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:10	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:10	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:40	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z MSD Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649793
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS4Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	1.97	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0489	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.194	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.499	0.0010	0.0100	1
07053	Copper	7440-50-8	0.251	0.0028	0.0200	1
01754	Iron	7439-89-6	1.19	0.0334	0.400	1
07058	Manganese	7439-96-5	0.578	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.505	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.151	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0561	0.0018	0.0100	1
07069	Tin	7440-31-5	3.92	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.510	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.501	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0062	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0102	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0156	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00086	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:38	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z MSD Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649793
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:12	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:12	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:12	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:12	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:12	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:42	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z Dupl Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649794
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS4Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0060 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.204 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0852	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 06:30	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z Dupl Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649794
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:08	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:08	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:08	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:08	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:08	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:38	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-A Surface Water
SED SW PW 2014

LL Sample # WW 7649795
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BSA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	40 U	40	100	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 18:14	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 18:14	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-A MS Surface Water
SED SW PW 2014

LL Sample # WW 7649796
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	75	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 18:34	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 18:34	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-A MSD Surface Water
SED SW PW 2014

LL Sample # WW 7649797
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	77	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 18:55	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 18:55	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-D Surface Water
SED SW PW 2014

LL Sample # WW 7649798
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-D Surface Water
SED SW PW 2014

LL Sample # WW 7649798
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.6		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0066 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.13		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.378 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.422		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0899		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0039 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-D Surface Water
SED SW PW 2014

LL Sample # WW 7649798
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRS4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0			mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	0.25 U	0.25	0.50	5
SM 2540 D-1997			mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.10 J	1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 19:27	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/29/2014 00:32	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/29/2014 00:32	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 19:27	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 02:56	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/28/2014 00:51	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:44	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 19:05	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 19:05	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 19:05	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 19:05	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 19:05	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:12	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-D Surface Water
SED SW PW 2014

LL Sample # WW 7649798
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRS4D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	17:45	Clinton M Wilson	5
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	17:45	Clinton M Wilson	5
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145704A	10/28/2014	16:23	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z-D Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649799
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0060 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.131 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0862	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0027 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:15	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-Z-D Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649799
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:29	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:29	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:29	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:29	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:29	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	10:57	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-04-D-A Surface Water
SED SW PW 2014

LL Sample # WW 7649800
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSA4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 21:43	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 21:43	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD Surface Water
SED SW PW 2014

LL Sample # WW 7649801
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRSBL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD Surface Water
SED SW PW 2014

LL Sample # WW 7649801
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRSBL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.019 J		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	4		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	8.8		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0104		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	2.57		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	4.03		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.583		0.0167	0.200	1
07058	Manganese	7439-96-5	0.476		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0055 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00042 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD Surface Water
SED SW PW 2014

LL Sample # WW 7649801
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRSBL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
	Wet Chemistry	SM 2540 D-1997	mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	21.0	1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 19:50	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/29/2014 00:52	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/29/2014 00:52	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 19:50	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 03:23	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/28/2014 01:06	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:48	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 19:07	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 19:07	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 19:07	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 19:07	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 19:07	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:14	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD Surface Water
SED SW PW 2014

LL Sample # WW 7649801
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRSBL

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145704A	10/28/2014	16:23	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649802
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0080 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	2.60	0.0334	0.400	1
07058	Manganese	7439-96-5	0.375	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0067 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:18	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649802
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:45	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:45	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:45	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:45	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:45	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	11:03	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-BALLFIELD-A Surface Water
SED SW PW 2014

LL Sample # WW 7649803
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BSABL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 22:03	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 22:03	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-2 Blank Water
SED SW PW 2014

LL Sample # WW 7649804
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-2 Blank Water
SED SW PW 2014

LL Sample # WW 7649804
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 14:56	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 19:10	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 19:10	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 14:56	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-2-A Blank Water
SED SW PW 2014

LL Sample # WW 7649805
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:30 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BATB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 16:29	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 16:29	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649806
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRTB5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649806
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRTB5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 15:19	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 19:30	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 19:30	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 15:19	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102214-3-A Blank Water
SED SW PW 2014

LL Sample # WW 7649807
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BATB5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 16:50	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 16:50	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649808
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRTB6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649808
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRTB6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles		SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 15:41	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 19:50	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 19:50	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 15:41	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-1-A Blank Water
SED SW PW 2014

LL Sample # WW 7649809
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BATB6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 17:11	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 17:11	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-2 Blank Water
SED SW PW 2014

LL Sample # WW 7649810
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BRTB7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-2 Blank Water
SED SW PW 2014

LL Sample # WW 7649810
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BRTB7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 16:04	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 20:10	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 20:10	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 16:04	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-2-A Blank Water
SED SW PW 2014

LL Sample # WW 7649811
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BATB7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 17:31	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 17:31	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102314-SW Blank Water**
SED SW PW 2014

LL Sample # **WW 7649812**
LL Group # **1513612**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BREB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102314-SW Blank Water**
SED SW PW 2014

LL Sample # **WW 7649812**
LL Group # **1513612**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BREB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	0.033 U		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.00033 U		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.0334 U		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.0167 U		0.0167	0.200	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102314-SW Blank Water**
SED SW PW 2014

LL Sample # **WW 7649812**
LL Group # **1513612**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BREB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0			mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.050 U	0.050	0.10	1
01506	Nitrite Nitrogen	14797-65-0	0.050 U	0.050	0.10	1
SM 2540 D-1997			mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.00 U	1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 16:27	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143012AA	10/28/2014 20:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143012AA	10/28/2014 20:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 16:27	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14299WAB026	10/29/2014 03:50	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14299WAB026	10/27/2014 19:45	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/28/2014 01:20	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143026256001	10/29/2014 10:28	Deborah A Krady	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:52	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 19:10	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 19:10	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143000639001A	10/28/2014 19:10	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 19:10	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 19:10	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 08:16	Damary Valentin	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-102314-SW Blank Water
SED SW PW 2014

LL Sample # WW 7649812
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 11/05/2014 15:00

BREB2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014	09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014	09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014	11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	18:19	Clinton M Wilson	1
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014	18:19	Clinton M Wilson	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14301145704A	10/28/2014	16:23	Kelli M Barto	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-102314-SW-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649813
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved SM 2340 B-1997							
06256	Total Hardness as CaCO ₃	471-34-1	0.033 U		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.00033 U		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.0334 U		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.0167 U		0.0167	0.200	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 J		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0024 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06256	Total Hardness as CaCO ₃	SM 2340 B-1997	1	143036256013	10/30/2014 11:00	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1
01750	Calcium	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:22	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-102314-SW-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7649813
LL Group # 1513612
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
01757	Magnesium	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014	07:22	Joanne M Gates	1
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:38	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:38	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:38	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:38	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:38	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143025713006	10/30/2014	11:05	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143025713006	10/29/2014	23:40	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-102314-SW-A Blank Water**
SED SW PW 2014

LL Sample # **WW 7649814**
LL Group # **1513612**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/23/2014 10:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/05/2014 15:00

BAEB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	Y142983AA	10/25/2014 17:52	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y142983AA	10/25/2014 17:52	Christopher G Torres	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143031AA	Sample number(s): 7649766,7649769,7649772,7649775,7649778,7649784								
Acetone	3.0	U	3.0	5.0	ug/l	105	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	134	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	103	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	105	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	100	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	107	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	103	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	114	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	111	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	106	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	96	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	108	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	98	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	98	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	104	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	111	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	110	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	95	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	107	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	104	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	114	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	108	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	104	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	108	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	105	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	102	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	108	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	106	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	108	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	110	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	109	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	102	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	108	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	104	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	106	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	107	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	105	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	113	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	106	80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	106	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	108		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	105		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	142		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	110		80-120		

Batch number: C143071AA

Sample number(s): 7649787-

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Acetone	3.0 U	3.0	5.0	ug/l	96	99	60-139	3	30
Acetonitrile	7.0 U	7.0	20	ug/l	99		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	104	100	66-120	4	30
Benzene	0.1 U	0.1	0.5	ug/l	104	100	80-120	3	30
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	105	103	80-120	2	30
Bromoform	0.1 U	0.1	0.5	ug/l	112	105	72-138	6	30
Bromomethane	0.1 U	0.1	0.5	ug/l	92	88	62-126	4	30
2-Butanone	1.0 U	1.0	5.0	ug/l	104	113	63-137	8	30
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	110	103	70-128	6	30
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	112	104	80-135	7	30
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	108	102	78-120	5	30
Chlorobenzene	0.1 U	0.1	0.5	ug/l	105	101	80-120	4	30
Chloroethane	0.1 U	0.1	0.5	ug/l	91	86	68-120	6	30
Chloroform	0.1 U	0.1	0.5	ug/l	106	103	80-120	3	30
Chloromethane	0.2 U	0.2	0.5	ug/l	93	92	55-120	2	30
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	112	120	64-141	7	30
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	107	105	80-126	2	30
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	108	105	80-120	3	30
Dibromomethane	0.1 U	0.1	0.5	ug/l	105	101	80-120	5	30
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	133	151	14-166	12	30
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	106	98	35-142	8	30
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	102	99	80-120	4	30
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	107	102	76-132	5	30
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	110	104	80-123	5	30
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	105	103	80-120	2	30
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	110	104	80-120	6	30
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	105	100	80-120	4	30
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	106	105	80-120	2	30
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	112	109	80-120	2	30
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	106	104	70-120	2	30
Ethylbenzene	0.1 U	0.1	0.5	ug/l	106	101	80-120	5	30
2-Hexanone	1.0 U	1.0	5.0	ug/l	103	100	72-124	3	30
Isobutyl Alcohol	10 U	10	25	ug/l	95	103	73-146	8	30
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	115	126	59-150	9	30
Methyl Iodide	0.1 U	0.1	0.5	ug/l	104	100	80-129	4	30
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	109	127	56-137	15	30
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	100	94	71-123	7	30
Methylene Chloride	0.2 U	0.2	0.5	ug/l	105	104	80-120	2	30
Pentachloroethane	0.2 U	0.2	0.5	ug/l	111	108	75-126	3	30
Propionitrile	2.0 U	2.0	10	ug/l	105	105	67-143	0	30
Styrene	0.1 U	0.1	0.5	ug/l	113	109	80-120	3	30
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	108	104	80-120	4	30
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	105	104	80-120	2	30
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	103	99	80-120	4	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Toluene	0.1 U	0.1	0.5	ug/l	104	102	80-120	2	30
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	105	100	80-120	5	30
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	104	102	80-120	2	30
Trichloroethene	0.1 U	0.1	0.5	ug/l	108	102	80-120	6	30
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	99	93	64-141	6	30
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	110	104	80-120	5	30
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	135		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	111	106	80-120	4	30

Batch number: C143082AA

Sample number(s): 7649781

Acetone	3.0 U	3.0	5.0	ug/l	89		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	81		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	96		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	103		80-120		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	100		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	97		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	89		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	100		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	104		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	107		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	107		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	92		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	104		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	99		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	31		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	99		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	107		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	100		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	103		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	86		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	93		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	104		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	110		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	101		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	101		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	92		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	100		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	108		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	109		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		

Batch number: E143012AA

Sample number(s): 7649766, 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649787-7649789, 7649798, 7649801, 7649804, 7649806, 7649808, 7649810, 7649812

Vinyl Chloride

0.010 U 0.010 0.050 ug/l 105 70-130

Batch number: Y142983AA

Sample number(s): 7649768, 7649771, 7649774, 7649777, 7649780, 7649783, 7649786, 7649795-7649797, 7649800, 7649803, 7649805, 7649807, 7649809, 7649811, 7649814

Acrolein

40 U 40. 100 ug/l 83 59-120

Acrylonitrile

4 U 4. 20 ug/l 80 62-120

Batch number: 14299WAB026

Sample number(s): 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649787-7649789, 7649798, 7649801, 7649812

1,1'-Biphenyl

0.5 U 0.5 1 ug/l 102 56-134

1,4-Dioxane

1 U 1. 5 ug/l 53 39-83

Diphenyl ether

0.5 U 0.5 1 ug/l 100 77-113

Batch number: 14300009A

Sample number(s): 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649798, 7649801, 7649812

Diethylene glycol

8.0 U 8.0 10 mg/l 86 55-122

Ethylene glycol

8.0 U 8.0 10 mg/l 92 54-129

Propylene glycol

8.0 U 8.0 10 mg/l 91 57-137

Triethylene glycol

8.0 U 8.0 10 mg/l 81 46-118

Batch number: 143010038A

Sample number(s): 7649787-7649789

Diethylene glycol

8.0 U 8.0 10 mg/l 110 55-122

Ethylene glycol

8.0 U 8.0 10 mg/l 115 54-129

Propylene glycol

8.0 U 8.0 10 mg/l 114 57-137

Triethylene glycol

8.0 U 8.0 10 mg/l 108 46-118

Batch number: 143000636001

Sample number(s): 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649787-7649790, 7649798, 7649801, 7649812

Barium

0.0010 J 0.00033 0.0100 mg/l 103 80-120

Beryllium

0.00067 U 0.00067 0.0100 mg/l 103 80-120

Calcium

0.0334 U 0.0334 0.400 mg/l 104 80-120

Chromium

0.0013 U 0.0013 0.0300 mg/l 102 80-120

Cobalt

0.0010 U 0.0010 0.0100 mg/l 105 80-120

Copper

0.0028 U 0.0028 0.0200 mg/l 103 80-120

Iron

0.0334 U 0.0334 0.400 mg/l 103 80-120

Magnesium

0.0167 U 0.0167 0.200 mg/l 104 80-120

Manganese

0.0027 J 0.00083 0.0100 mg/l 104 80-120

Nickel

0.0016 U 0.0016 0.0200 mg/l 106 80-120

Selenium

0.0048 U 0.0048 0.0400 mg/l 105 80-120

Silver

0.0018 U 0.0018 0.0100 mg/l 100 80-120

Tin

0.0024 U 0.0024 0.0400 mg/l 102 80-120

Vanadium

0.0019 U 0.0019 0.0100 mg/l 103 80-120

Zinc

0.0053 J 0.0020 0.0400 mg/l 104 80-120

Batch number: 143000639001A

Sample number(s): 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649787-

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
	7649790, 7649798, 7649801, 7649812								
Antimony	0.00033 U	0.00033	0.0020	mg/l	100		87-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	98		86-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	107		90-114		
Lead	0.000082 U	0.00008	0.0020	mg/l	102		90-110		
Thallium	0.00015 U	0.00015	0.0010	mg/l	104		90-115		
Batch number: 143005713003	Sample number(s): 7649769, 7649772, 7649775, 7649778, 7649781, 7649784, 7649787-7649790, 7649798, 7649801, 7649812								
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
Batch number: 143020636001	Sample number(s): 7649770, 7649773, 7649776, 7649779, 7649782, 7649785, 7649791-7649794, 7649799, 7649802, 7649813								
Barium	0.00033 U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	98		80-120		
Calcium	0.0577 J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	97		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	98		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	99		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	101		80-120		
Magnesium	0.0167 U	0.0167	0.200	mg/l	100		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	98		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	99		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	109		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	96		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	102		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143020639001A	Sample number(s): 7649770, 7649773, 7649776, 7649779, 7649782, 7649785, 7649791-7649794, 7649799, 7649802, 7649813								
Antimony	0.00033 U	0.00033	0.0020	mg/l	102		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	103		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	103		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	101		80-120		
Batch number: 143025713006	Sample number(s): 7649770, 7649773, 7649776, 7649779, 7649782, 7649785, 7649791-7649794, 7649799, 7649802, 7649813								
Mercury	0.000060 U	0.00006	0.00020	mg/l	88		80-120		
Batch number: 14297987131A	Sample number(s): 7649787-7649788, 7649790, 7649798, 7649812								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	104	103	90-110	1	20
Nitrite Nitrogen	0.050 U	0.050	0.10	mg/l	101	101	90-110	0	20
Batch number: 14301145701A	Sample number(s): 7649769, 7649772, 7649775								
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	97	99	91-105	2	20
Batch number: 14301145703A	Sample number(s): 7649778, 7649781, 7649784								
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	96		91-105		
Batch number: 14301145704A	Sample number(s): 7649787, 7649790, 7649798, 7649801, 7649812								

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	97	97	91-105	0	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143031AA	Sample number(s): 7649766,7649769,7649772,7649775,7649778,7649784 UNSPK: P649697								
Acetone	97	98	57-163	1	30				
Acetonitrile	131*	138*	77-129	5	30				
Allyl Chloride	103	102	61-120	1	30				
Benzene	103	100	87-126	3	30				
Bromodichloromethane	110	106	82-133	3	30				
Bromoform	107	103	60-138	3	30				
Bromomethane	97	103	66-130	6	30				
2-Butanone	102	103	56-160	1	30				
Carbon Disulfide	106	103	84-141	3	30				
Carbon Tetrachloride	114	110	81-148	4	30				
2-Chloro-1,3-butadiene	113	109	78-128	4	30				
Chlorobenzene	110	108	78-133	1	30				
Chloroethane	98	108	70-139	9	30				
Chloroform	109	105	86-136	3	30				
Chloromethane	96	105	49-135	9	30				
1,2-Dibromo-3-chloropropane	105	108	53-163	3	30				
Dibromochloromethane	110	107	79-125	3	30				
1,2-Dibromoethane	112	113	84-127	1	30				
Dibromomethane	109	106	83-126	3	30				
trans-1,4-Dichloro-2-butene	55	40	11-172	31*	30				
Dichlorodifluoromethane	108	114	28-136	5	30				
1,1-Dichloroethane	104	100	81-126	3	30				
1,2-Dichloroethane	111	109	82-135	2	30				
1,1-Dichloroethene	109	104	86-132	5	30				
cis-1,2-Dichloroethene	104	101	82-129	2	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	106	102	91-126	3	30				
cis-1,3-Dichloropropene	97	94	74-132	3	30				
trans-1,3-Dichloropropene	105	103	71-128	2	30				
Ethyl Methacrylate	112	113	73-134	1	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	120	122	51-149	2	30				
Isobutyl Alcohol	117	113	65-146	4	30				
Methacrylonitrile	102	103	58-155	1	30				
Methyl Iodide	98	96	71-137	2	30				
Methyl Methacrylate	98	102	48-152	4	30				
4-Methyl-2-pentanone	112	114	69-149	2	30				
Methylene Chloride	103	100	77-135	3	30				
Pentachloroethane	103	109	68-145	6	30				
Propionitrile	100	105	63-147	5	30				
Styrene	118	116	71-138	2	30				
1,1,1,2-Tetrachloroethane	115	112	87-126	2	30				
1,1,2,2-Tetrachloroethane	113	114	75-131	1	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Tetrachloroethene	106	103	75-129	3	30			
Toluene	106	104	83-127	2	30			
1,1,1-Trichloroethane	107	105	85-140	2	30			
1,1,2-Trichloroethane	112	112	85-129	0	30			
Trichloroethene	110	108	85-131	2	30			
Trichlorofluoromethane	110	117	73-139	6	30			
1,2,3-Trichloropropane	112	113	76-120	1	30			
Vinyl Acetate	140	143	27-162	2	30			
Xylene (Total)	113	113	81-137	0	30			

Batch number: C143071AA

Sample number(s): 7649787-

7649789,7649798,7649801,7649804,7649806,7649808,7649810,7649812 UNSPK: 7649787

Acetone	97	103	57-163	6	30			
Acetonitrile	82	84	77-129	3	30			
Allyl Chloride	101	106	61-120	4	30			
Benzene	103	105	87-126	2	30			
Bromodichloromethane	105	106	82-133	1	30			
Bromoform	110	112	60-138	2	30			
Bromomethane	94	96	66-130	2	30			
2-Butanone	102	109	56-160	7	30			
Carbon Disulfide	111	110	84-141	1	30			
Carbon Tetrachloride	115	116	81-148	1	30			
2-Chloro-1,3-butadiene	107	109	78-128	2	30			
Chlorobenzene	108	109	78-133	1	30			
Chloroethane	92	94	70-139	2	30			
Chloroform	106	108	86-136	1	30			
Chloromethane	94	99	49-135	5	30			
1,2-Dibromo-3-chloropropane	115	123	53-163	7	30			
Dibromochloromethane	108	110	79-125	1	30			
1,2-Dibromoethane	107	109	84-127	2	30			
Dibromomethane	106	103	83-126	3	30			
trans-1,4-Dichloro-2-butene	132	142	11-172	7	30			
Dichlorodifluoromethane	107	112	28-136	4	30			
1,1-Dichloroethane	102	103	81-126	2	30			
1,2-Dichloroethane	107	108	82-135	1	30			
1,1-Dichloroethene	111	111	86-132	0	30			
cis-1,2-Dichloroethene	103	105	82-129	2	30			
trans-1,2-Dichloroethene	110	109	88-127	2	30			
1,2-Dichloropropane	103	104	91-126	1	30			
cis-1,3-Dichloropropene	103	107	74-132	3	30			
trans-1,3-Dichloropropene	108	113	71-128	4	30			
Ethyl Methacrylate	105	110	73-134	5	30			
Ethylbenzene	107	109	80-140	2	30			
2-Hexanone	106	108	51-149	3	30			
Isobutyl Alcohol	105	114	65-146	9	30			
Methacrylonitrile	113	118	58-155	4	30			
Methyl Iodide	102	103	71-137	1	30			
Methyl Methacrylate	108	116	48-152	8	30			
4-Methyl-2-pentanone	101	103	69-149	2	30			
Methylene Chloride	103	102	77-135	1	30			
Pentachloroethane	122	119	68-145	3	30			
Propionitrile	105	110	63-147	4	30			

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Styrene	115	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	106	109	75-129	3	30				
Toluene	106	109	83-127	3	30				
1,1,1-Trichloroethane	107	108	85-140	1	30				
1,1,2-Trichloroethane	103	107	85-129	3	30				
Trichloroethene	108	108	85-131	0	30				
Trichlorofluoromethane	102	104	73-139	1	30				
1,2,3-Trichloropropane	112	111	76-120	1	30				
Vinyl Acetate	123	123	27-162	0	30				
Xylene (Total)	112	113	81-137	1	30				

Batch number: C143082AA	Sample number(s): 7649781	UNSPK: P658000			
Acetone	97	100	57-163	4	30
Acetonitrile	82	79	77-129	4	30
Allyl Chloride	104	107	61-120	3	30
Benzene	109	107	87-126	2	30
Bromodichloromethane	109	105	82-133	3	30
Bromoform	109	106	60-138	4	30
Bromomethane	93	92	66-130	1	30
2-Butanone	98	104	56-160	6	30
Carbon Disulfide	112	112	84-141	0	30
Carbon Tetrachloride	119	117	81-148	2	30
2-Chloro-1,3-butadiene	113	112	78-128	0	30
Chlorobenzene	113	111	78-133	2	30
Chloroethane	93	90	70-139	3	30
Chloroform	111	109	86-136	2	30
Chloromethane	93	94	49-135	1	30
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30
Dibromochloromethane	111	109	79-125	2	30
1,2-Dibromoethane	111	110	84-127	1	30
Dibromomethane	111	109	83-126	2	30
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30
Dichlorodifluoromethane	106	105	28-136	1	30
1,1-Dichloroethane	107	106	81-126	1	30
1,2-Dichloroethane	113	110	82-135	3	30
1,1-Dichloroethene	116	114	86-132	2	30
cis-1,2-Dichloroethene	109	107	82-129	1	30
trans-1,2-Dichloroethene	115	111	88-127	3	30
1,2-Dichloropropane	108	107	91-126	1	30
cis-1,3-Dichloropropene	104	104	74-132	0	30
trans-1,3-Dichloropropene	110	109	71-128	1	30
Ethyl Methacrylate	107	109	73-134	2	30
Ethylbenzene	112	111	80-140	1	30
2-Hexanone	108	107	51-149	1	30
Isobutyl Alcohol	103	108	65-146	4	30
Methacrylonitrile	103	113	58-155	9	30
Methyl Iodide	105	104	71-137	1	30
Methyl Methacrylate	99	111	48-152	11	30
4-Methyl-2-pentanone	103	103	69-149	0	30
Methylene Chloride	109	108	77-135	1	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>Max</u>
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				
Batch number: E143012AA	Sample number(s): 7649766,7649769,7649772,7649775,7649778,7649781,7649784,7649787-7649789,7649798,7649801,7649804,7649806,7649808,7649810,7649812 UNSPK: 7649787								
Vinyl Chloride	105	108	70-130	3	30				
Batch number: Y142983AA	Sample number(s): 7649768,7649771,7649774,7649777,7649780,7649783,7649786,7649795-7649797,7649800,7649803,7649805,7649807,7649809,7649811,7649814 UNSPK: 7649795								
Acrolein	78	79	39-136	1	30				
Acrylonitrile	75	77	51-125	2	30				
Batch number: 14299WAB026	Sample number(s): 7649769,7649772,7649775,7649778,7649781,7649784,7649787-7649789,7649798,7649801,7649812 UNSPK: 7649787								
1,1'-Biphenyl	103	103	73-114	0	30				
1,4-Dioxane	50	50	48-83	1	30				
Diphenyl ether	101	103	81-105	2	30				
Batch number: 143000009A	Sample number(s): 7649769,7649772,7649775,7649778,7649781,7649784,7649798,7649801,7649812 UNSPK: P649787								
Diethylene glycol	106	83	52-122	24*	20				
Ethylene glycol	114	89	54-123	25*	20				
Propylene glycol	114	88	55-131	25*	20				
Triethylene glycol	101	80	33-123	23*	20				
Batch number: 143010038A	Sample number(s): 7649787-7649789 UNSPK: 7649787								
Diethylene glycol	101	99	52-122	2	20				
Ethylene glycol	107	103	54-123	4	20				
Propylene glycol	105	101	55-131	5	20				
Triethylene glycol	99	100	33-123	1	20				
Batch number: 143000636001	Sample number(s): 7649769,7649772,7649775,7649778,7649781,7649784,7649787-7649790,7649798,7649801,7649812 UNSPK: 7649787 BKG: 7649787								
Barium	103	103	75-125	0	20	0.0066 J	0.0067 J	1 (1)	20
Beryllium	103	104	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	105	106	75-125	0	20	1.13	1.13	0 (1)	20
Chromium	102	103	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Cobalt	104	105	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	104	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	103	105	75-125	1	20	0.371 J	0.369 J	1 (1)	20
Magnesium	104	105	75-125	0	20	0.426	0.428	1 (1)	20
Manganese	104	104	75-125	0	20	0.0890	0.0909	2	20
Nickel	105	106	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	102	105	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	99	99	75-125	0	20	0.0018 U	0.0018 U	0 (1)	20
Tin	101	103	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	103	103	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	104	75-125	1	20	0.0030 J	0.0036 J	16 (1)	20

Batch number: 143000639001A Sample number(s): 7649769,7649772,7649775,7649778,7649781,7649784,7649787-7649790,7649798,7649801,7649812 UNSPK: 7649787 BKG: 7649787

Antimony	95	118	75-125	22*	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	102	96	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	100	100	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	102	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	102	109	75-125	7	20	0.00015 U	0.00015 U	0 (1)	20

Batch number: 143005713003 Sample number(s): 7649769,7649772,7649775,7649778,7649781,7649784,7649787-7649790,7649798,7649801,7649812 UNSPK: 7649787 BKG: 7649787

Mercury	86	91	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
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Batch number: 143020636001 Sample number(s): 7649770,7649773,7649776,7649779,7649782,7649785,7649791-7649794,7649799,7649802,7649813 UNSPK: 7649791 BKG: 7649791

Barium	99	98	75-125	0	20	0.0060 J	0.0060 J	0 (1)	20
Beryllium	98	98	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	101	99	75-125	1	20	1.10	1.08	1 (1)	20
Chromium	97	97	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	99	100	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	100	100	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	95	98	75-125	3	20	0.207 J	0.204 J	1 (1)	20
Magnesium	102	100	75-125	2	20	0.415	0.410	1 (1)	20
Manganese	99	99	75-125	0	20	0.0845	0.0852	1	20
Nickel	100	101	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	101	100	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	110	112	75-125	2	20	0.0018 U	0.0018 U	0 (1)	20
Tin	97	98	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	103	102	75-125	1	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	99	100	75-125	1	20	0.0026 J	0.0023 J	13 (1)	20

Batch number: 143020639001A Sample number(s): 7649770,7649773,7649776,7649779,7649782,7649785,7649791-7649794,7649799,7649802,7649813 UNSPK: 7649791 BKG: 7649791

Antimony	107	104	75-125	3	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	96	102	75-125	6	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	103	103	75-125	0	20	0.000094 J	0.000082 U	200* (1)	20
Thallium	100	107	75-125	7	20	0.00015 U	0.00015 U	0 (1)	20

Batch number: 143025713006 Sample number(s): 7649770,7649773,7649776,7649779,7649782,7649785,7649791-7649794,7649799,7649802,7649813 UNSPK: 7649791 BKG: 7649791

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Mercury	90	86	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14297987131A	Sample number(s): 7649787-7649788,7649790,7649798,7649812 UNSPK: 7649787 BKG: 7649787								
Nitrate Nitrogen	107		90-110			0.25 U	0.25 U	0 (1)	20
Nitrite Nitrogen	108		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14301145701A	Sample number(s): 7649769,7649772,7649775 BKG: P647530								
Total Suspended Solids						7.40	8.80	17* (1)	5
Batch number: 14301145703A	Sample number(s): 7649778,7649781,7649784 BKG: P647357								
Total Suspended Solids						32.0	36.0	12* (1)	5
Batch number: 14301145704A	Sample number(s): 7649787,7649790,7649798,7649801,7649812 BKG: 7649787								
Total Suspended Solids						1.60 J	1.10 J	37* (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649766	106	104	99	100
7649769	107	103	98	98
7649772	106	102	99	100
7649775	106	103	98	98
7649778	105	102	99	99
7649784	104	104	99	99
Blank	104	103	99	102
LCS	104	104	102	106
MS	101	101	102	106
MSD	102	100	103	105
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Appendix IX Volatiles
Batch number: C143071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649787	102	105	97	98
7649788	100	99	100	102
7649789	99	99	99	101
7649798	101	99	99	97
7649801	102	97	98	98
7649804	102	102	98	98
7649806	101	100	98	98
7649808	101	100	98	97
7649810	101	102	98	97
7649812	101	99	98	99

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Surrogate Quality Control

Blank	100	101	97	98
LCS	99	99	99	102
LCSD	100	98	101	102
MS	100	99	100	102
MSD	99	99	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Appendix IX Volatiles

Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649781	103	105	97	98
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride

Batch number: E143012AA

Dibromofluoromethane

7649766	98
7649769	99
7649772	98
7649775	100
7649778	97
7649781	99
7649784	99
7649787	100
7649788	99
7649789	99
7649798	95
7649801	96
7649804	100
7649806	98
7649808	99
7649810	99
7649812	99
Blank	99
LCS	98
MS	99
MSD	99
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile

Batch number: Y142983AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649768	100	102	98	90
7649771	101	101	99	90
7649774	101	100	99	89
7649777	102	102	99	90
7649780	102	101	99	89
7649783	103	103	98	91
7649786	102	101	99	89
7649795	102	101	99	90
7649796	100	101	101	98
7649797	100	102	102	106

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Surrogate Quality Control

7649800	102	102	99	89
7649803	103	101	99	89
7649805	99	100	99	92
7649807	100	100	100	91
7649809	101	101	99	91
7649811	101	100	99	90
7649814	102	102	99	90
Blank	99	99	100	92
LCS	97	100	101	97
MS	100	101	101	98
MSD	100	102	102	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14299WAB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7649769				87	83	102
7649772				88	84	71
7649775				87	83	67
7649778				93	91	98
7649781				92	89	105
7649784				93	91	99
7649787	30	50	99	91	90	106
7649788	41	61	105	98	94	107
7649789	42	62	104	98	94	108
7649798				93	93	105
7649801				88	87	100
7649812				88	92	100
Blank	33	52	103	94	94	93
LCS	45	63	104	97	93	106
MS	41	61	105	98	94	107
MSD	42	62	104	98	94	108
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143000009A

	Tetramethylene glycol
7649769	94
7649772	95
7649775	176*
7649778	95
7649781	84
7649784	99
7649798	94
7649801	98
7649812	107
Blank	98
LCS	85
MS	104
MSD	84
Limits:	54-136

Analysis Name: 4 Gylcol Compounds
Batch number: 143010038A

	Tetramethylene glycol
7649787	84

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/05/14 at 03:00 PM

Group Number: 1513612

Surrogate Quality Control

7649788	94
7649789	88
Blank	84
LCS	99
MS	94
MSD	88

Limits: 54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 70497100-814

Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C24082 **30361**

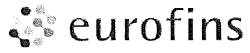
Cooler Temperature upon receipt: 1.1 °C Container No.: 3

Facility Name: Brevard		Project Manager: Tracy Obvey				Analyses Required											Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379				Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)											
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): <u>T. Obvey, K. Teague, M. Epps, C. Burdorf</u>		Project Name: SED SW PW 2014																			
Sample Identification				Containers														Surface Water			
Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.												Condition upon receipt:				
<u>SSP14-SW-33</u>	<u>10/22/14</u>	<u>1300</u>	<u>WW</u>	<u>500 / 1000</u>	<u>None</u>	<u>2</u>												Surface Water Condition upon receipt: <u>Intact</u>			
<u>SSP14-SW-33</u>	↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>															
<u>SSP14-SW-33</u>	↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>															
<u>SSP14-SW-33</u>	↓	↓	<u>WW</u>	<u>250</u>	<u>None</u>	<u>2</u>	<u>X</u>														
<u>SSP14-SW-33</u>	↓	↓	<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>	<u>X</u>														
<u>SSP14-SW-33 -Z</u>	↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>	<u>X</u>														

Turnaround Time Requested (please circle): **Standard** RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by: <u>Ruby Morgan</u>	Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>Tracy</u>	Date: <u>10/29/14</u>	Time: <u>12:00</u>
Bottles Relinquished by: <u>Tracy</u>	Date: <u>10/23/14</u>	Time: <u>16:00</u>	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date: <u>10-24-14</u>	Time: <u>9:30</u>



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7649766-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C27300
 Cooler Temperature upon receipt: 1.1 °C Container No.: 3

30361

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:													
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																									
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																									
1300 Staton Road		Release No.:																									
Cedar Mountain NC 28718		PO Number: LBIO-66380																									
Sampler(s): <u>T. Obvey, K. Teague, M. Epps, C. Burdorf</u>		Project Name: <u>SED SW PW 2014</u>																									
Sample Identification	Date Collected	Time Collected	Matrix	Containers			Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)											Surface Water					
				Volume (ml)	Preserv	No.																Condition upon receipt:					
<u>SSP14-SW-34</u>	<u>10/22/14</u>	<u>1220</u>	<u>WW</u>	<u>500 / 1000</u>	<u>None</u>	<u>2</u>				<u>X</u>																	<u>Intact</u>
<u>SSP14-SW-34</u>			<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>			<u>X</u>																		
<u>SSP14-SW-34</u>			<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>					<u>X</u>																
<u>SSP14-SW-34</u>			<u>WW</u>	<u>250</u>	<u>None</u>	<u>2</u>	<u>X</u>																				
<u>SSP14-SW-34</u>			<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>		<u>X</u>																			
<u>SSP14-SW-34 -Z</u>			<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>			<u>X</u>																		
Turnaround Time Requested (please circle): Standard RUSH Number of days: <u>8</u>				Special Instructions:																							
Bottles Relinquished by: <u>Abu Migashko</u>		Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>T. Obvey</u>		Date: <u>10/20/14</u>	Time: <u>12:00</u>																				
Bottles Relinquished by: <u>J. Obvey</u>		Date: <u>10/23/14</u>	Time: <u>1600</u>	Bottles Received by:		Date:	Time:																				
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:																				
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date: <u>10-24-14</u>	Time: <u>930</u>																				



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7049766-814
 Acc't: 06643 SF: 217503 SCR No.: 163061 Cooler No.: 27445 **30348**
 Cooler Temperature upon receipt: 1.1 °C Container No.: 8

Facility Name: Brevard		Project Manager: Tracy Obvey				Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379														3 day holding time for acrolein and acrylonitrile					
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681														APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*	Condition upon receipt:		
1300 Staton Road		Release No.:														Intact					
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): <u>T. Obvey, K. Teague, M. Epps, C. Burdorf</u>		Project Name: <u>SED SW PW 2014</u>														<u>Law</u> <u>10/22/14</u> <u>Surface</u> <u>-Pore Water</u>					
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*										
<u>SSP14-SW-28</u>			<u>10/22/14</u>	<u>1845</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
<u>SSP14-SW-28-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>SSP14-SW-29</u>				<u>1810</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
<u>SSP14-SW-29-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>SSP14-SW-30</u>				<u>1745</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
<u>SSP14-SW-30-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>TB-102214-3</u>				<u>1745</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>4</u>	<u>X</u>	<u>X</u>											
<u>TB-102214-3-A</u>			<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>			<u>X</u>										
					<u>WW</u>	<u>40</u>	<u>HCl</u>		<u>X</u>	<u>X</u>											
				<u>Law</u> <u>10/22/14</u>	<u>WW</u>	<u>40</u>	<u>None</u>				<u>X</u>										
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions: *3 Day Holding Time													
Bottles Relinquished by: <u>SPD</u>			Date: <u>10/21/14</u>	Time: <u>11:05</u>	Bottles Received by: <u>Tracy Obvey</u>			Date: <u>10/21/14</u>	Time: <u>12:00</u>												
Bottles Relinquished by: <u>Tracy Obvey</u>			Date: <u>10/23/14</u>	Time: <u>1800</u>	Bottles Received by: _____			Date: _____	Time: _____												
Bottles Relinquished by: _____			Date: _____	Time: _____	Bottles Received by: _____			Date: _____	Time: _____												
Bottles Relinquished by: _____			Date: _____	Time: _____	Bottles Received by: _____			Date: <u>10-24-14</u>	Time: <u>9:30</u>												

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7049766-814
 Acct: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C24082 **30361**
 Cooler Temperature upon receipt: 1.1 °C Container No.: 8

Facility Name: Brevard			Project Manager: Tracy Obvey				Analyses Required										Comments: Surface Water Condition upon receipt: Intact											
Facility Contact: Chet Meinzer			Facility Contact Phone No.: 828-862-8379				Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)																	
Facility Address: DuPont Brevard			Job No.: 9267-7720100C-WH06504681																									
1300 Staton Road			Release No.:																									
Cedar Mountain NC 28718			PO Number: LBIO-66380																									
Sampler(s): <u>T. Obvey, M. Epps, K. Teague, C. Burdort</u>			Project Name: <u>SED SW PW 2014</u>																									
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)						Preserv	No.															
			Containers																									
SSP14-SW-28			10/22/14	1845	WW	500 / 1000						None	2						X									
SSP14-SW-28					WW	250						HNO3	1			X												
SSP14-SW-28					WW	250	HNO3	1						X														
SSP14-SW-28					WW	250	None	2	X																			
SSP14-SW-28					WW	40	None	2		X																		
SSP14-SW-28 -z					WW	250	HNO3	1			X																	
SSP14-SW-29			10/22/14	1810	WW	250	HNO3	1			X																	
SSP14-SW-29					WW	250	HNO3	1						X														
SSP14-SW-29					WW	250	NONE	2	X																			
SSP14-SW-29					WW	40	NONE	2		X																		
SSP14-SW-29					WW	500 / 1000	NONE	2					X															
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:																					
Bottles Relinquished by: <u>Migashka</u>			Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>T. Obvey</u>			Date: <u>10/24/14</u>	Time: <u>1200</u>																			
Bottles Relinquished by: <u>Obvey</u>			Date: <u>10/23/14</u>	Time: <u>1800</u>	Bottles Received by: _____			Date: _____	Time: _____																			
Bottles Relinquished by: _____			Date: _____	Time: _____	Bottles Received by: _____			Date: _____	Time: _____																			
Bottles Relinquished by: _____			Date: _____	Time: _____	Bottles Received by: <u>Intact</u>			Date: <u>10.24.14</u>	Time: <u>920</u>																			



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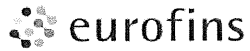
Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7649760-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: 224082 **30361**
 Cooler Temperature upon receipt: 1.1 °C Container No.: 8

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required											Comments: Surface Water Condition upon receipt: Intact																			
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)																										
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																																	
1300 Staton Road		Release No.:																																	
Cedar Mountain NC 28718		PO Number: LBIO-66380																																	
Sampler(s): <u>T. Obvey, M. Epps, K. Teague, C. Burdors</u>																																			
Project Name: SED SW PW 2014																																			
Sample Identification				Date Collected	Time Collected	Matrix	Containers																												
				Volume (ml)	Preserv	No.																													
SSP14-SW-30				10/22/14	1745	WW	500 / 1000	None	2																										
SSP14-SW-30						WW	250	HNO3	1			X																							
SSP14-SW-30						WW	250	HNO3	1					X																					
SSP14-SW-30						WW	250	None	2	X																									
SSP14-SW-30						WW	40	None	2		X																								
SSP14-SW-30-z						WW	250	HNO3	1			X																							
SSP14-SW-29-Z				10/22/14	1810	WW	250	HNO3	1			X																							

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>Anna Migashko</u>		Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>Raley</u>		Date: <u>10/20/14</u>	Time: <u>12:00</u>
Bottles Relinquished by: <u>Raley</u>		Date: <u>10/23/14</u>	Time: <u>1800</u>	Bottles Received by: _____		Date: _____	Time: _____
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: _____		Date: _____	Time: _____
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: <u>Raley</u>		Date: <u>10.24.14</u>	Time: <u>9:30</u>



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Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7049766-814 / 16782
Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: 30363
Cooler Temperature upon receipt: 1.5 °C Container No.: 5

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments: 3 day holding time for acrolein and acrylonitrile						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																			
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): <u>T. Obvey, K. Teague, M. Epps, C. Burdorf</u>					APPIX Volatiles (8260) Vinyl Chloride (8260 SIM) Acrolein/Acrylonitrile (8260)*										Surface Water						
Project Name: SED SW PW 2014																					
Sample Identification				Containers													Condition upon receipt:				
		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.											I n t e t			
<u>PPS14-SW-04</u>		<u>10/23/14</u>	<u>1010</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											↓	
<u>PPS14-SW-04 -A</u>			<u>1010</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
<u>EB-102314-SW</u>			<u>1000</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>EB-102314-SW-A</u>			<u>1000</u>	<u>WW</u>	<u>40</u>	<u>NONE</u>	<u>3</u>			<u>X</u>											
<u>TB-102314-1</u>			<u>1000</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>4</u>	<u>X</u>	<u>X</u>												
<u>TB-102314-1-A</u>		<u>↓</u>	<u>1000</u>	<u>WW</u>	<u>40</u>	<u>NONE</u>	<u>2</u>			<u>X</u>											

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions: *3 Day Holding Time			
Bottles Relinquished by: <u>S. Deane</u>		Date: <u>10/17/14</u>	Time: <u>13:10</u>	Bottles Received by: <u>J. Orley</u>		Date: <u>10/22/14</u>	Time: <u>12:00</u>
Bottles Relinquished by: <u>J. Orley</u>		Date: <u>10/23/14</u>	Time: <u>16:00</u>	Bottles Received by: _____		Date: _____	Time: _____
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: _____		Date: _____	Time: _____
Bottles Relinquished by: _____		Date: _____	Time: _____	Bottles Received by: _____		Date: <u>10-24-14</u>	Time: <u>9:30</u>



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Analysis Request / Environmental Services Chain of Custody

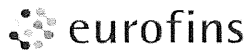
For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7649766-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C27341 **30359**
 Cooler Temperature upon receipt: 1.5 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey	Analyses Required	Comments:
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379		
Facility Address: DuPont Brevard	Job No.: 9267-7720100C-WH06504681		
1300 Staton Road	Release No.:		
Cedar Mountain NC 28718	PO Number: LBIO-66380		
Sampler(s): <u>T. Obvey, M. Epps, C. Burdorf, K. Teague</u>			
Project Name: SED SW PW 2014			

Sample Identification	Date Collected	Time Collected	Matrix	Containers			Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NO2 (300.0)	NO3 (300.0)	TSS (2540 D)	Hardness (SM18 2340)	Surface Water	
				Volume (ml)	Preserv	No.								Condition upon receipt:	Intercept
PPS14-SW-04	10/23/14	1010	WW	500 / 1000	None	2						X			↓
PPS14-SW-04			WW	250	HNO3	1		X							
PPS14-SW-04			WW	250	HNO3	1						X			
PPS14-SW-04			WW	250	None	2	X								
PPS14-SW-04			WW	40	None	2			X	X					
PPS14-SW-04			WW	40	None	2		X							
PPS14-SW-04 -z			WW	250	HNO3	1		X							

Turnaround Time Requested (please circle): Standard RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>Eric Megawhite</u>		Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>J. Obvey</u>		Date: <u>10/20/14</u>	Time: <u>12:00</u>
Bottles Relinquished by: <u>Obvey</u>		Date: <u>10/23/14</u>	Time: <u>16:00</u>				
Bottles Relinquished by:		Date:	Time:				
Bottles Relinquished by:		Date:	Time:			Date: <u>10-24-14</u>	Time: <u>9:30</u>



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513012 Sample Nos.: 7049760-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: 27341 **30362**
 Cooler Temperature upon receipt: 1.5 °C Container No.: 5

Facility Name: Brevard			Project Manager: Tracy Obvey				Analyses Required											Comments:									
Facility Contact: Chet Meinzer			Facility Contact Phone No.: 828-862-8379				Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NO2 (300.0)	NO3 (300.0)	TSS (2540 D)	Hardness (SM18 2340)														
Facility Address: DuPont Brevard			Job No.: 9267-7720100C-WH06504681																								
1300 Staton Road			Release No.:																								
Cedar Mountain NC 28718			PO Number: LBIO-66380															Surface Water Condition upon receipt: <u>Intact</u>									
Sampler(s): <u>M. Epps, C. Burdorf, K. Teague, T. Obvey</u>																											
Project Name: SED SW/PW 2014																											
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Containers																			
								Volume	Preserv	No.																	
EB-	<u>102314-SW</u>	<u>10/23/14</u>	<u>1000</u>	WW	500 / 1000	None	2																				
EB-	<u>102314-SW</u>			WW	250	HNO3	1				X																
EB-	<u>102314-SW</u>			WW	250	HNO3	1							X													
EB-	<u>102314-SW</u>			WW	250	None	2	X																			
EB-	<u>102314-SW</u>			WW	40	None	2				X	X															
EB-	<u>102314-SW</u>			WW	40	None	2		X																		
EB-	<u>102314-SW -Z</u>			WW	250	HNO3	1				X																
Turnaround Time Requested (please circle):		Standard		RUSH		Number of days: <u>8</u>		Special Instructions:																			
Bottles Relinquished by:	<u>Ron Meacham</u>	Date:	<u>10/17/14</u>	Time:	<u>12:34</u>	Bottles Received by:		<u>Tracy Obvey</u>						Date:	<u>10/20/14</u>	Time:	<u>1200</u>										
Bottles Relinquished by:	<u>Tracy Obvey</u>	Date:	<u>10/23/14</u>	Time:	<u>1600</u>	Bottles Received by:								Date:		Time:											
Bottles Relinquished by:		Date:		Time:		Bottles Received by:								Date:		Time:											
Bottles Relinquished by:		Date:		Time:		Bottles Received by:		<u>[Signature]</u>						Date:	<u>10.24.14</u>	Time:	<u>930</u>										



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Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7049706-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C27300 **30359**
 Cooler Temperature upon receipt: 0.4 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments: <i>Sample name is SSPI4-SW-04</i> Surface Water Condition upon receipt: <i>Intact</i>																		
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NO2 (300.0)	NO3 (300.0)	TSS (2540 D)	Hardness (SM18 2340)																						
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																															
1300 Staton Road		Release No.:																															
Cedar Mountain NC 28718		PO Number: LBIO-66380																															
Sampler(s): <i>T. Obvey, M. Epps, C. Burdick, K. Teague</i>		Project Name: SED SW PW 2014																															
Sample Identification				Date Collected		Time Collected		Matrix		Containers																							
				Volume (ml)		Preserv		No.																									
<i>Just 10/23/14</i>																																	
<i>PP814-SW-04</i>				<i>10/23/14</i>		<i>1010</i>		<i>WW</i>		<i>500 / 1000</i>			<i>None</i>		<i>2</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>250</i>			<i>HNO3</i>		<i>1</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>250</i>			<i>HNO3</i>		<i>1</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>250</i>			<i>None</i>		<i>2</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>40</i>			<i>NONE</i>		<i>2</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>40</i>			<i>None</i>		<i>2</i>																		
<i>PP814-SW-04</i>								<i>WW</i>		<i>40</i>			<i>None</i>		<i>2</i>																		
<i>PP814-SW-04-z</i>								<i>WW</i>		<i>250</i>			<i>HNO3</i>		<i>1</i>																		
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:																							
Bottles Relinquished by: <i>Linc Mignashike</i>				Date: <i>10/17/14</i>		Time: <i>12:34</i>		Bottles Received by: <i>J. Obvey</i>				Date: <i>10/24/14</i>		Time: <i>12:00</i>																			
Bottles Relinquished by: <i>J. Obvey</i>				Date: <i>10/23/14</i>		Time: <i>2100</i>		Bottles Received by: _____				Date: _____		Time: _____																			
Bottles Relinquished by: _____				Date: _____		Time: _____		Bottles Received by: _____				Date: _____		Time: _____																			
Bottles Relinquished by: _____				Date: _____		Time: _____		Bottles Received by: _____				Date: <i>10.24.14</i>		Time: <i>930</i>																			



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513612 Sample Nos.: 7649760-814
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: 17033
 Cooler Temperature upon receipt: 8.4 °C Container No.: 2 **30360**

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required												Comments:						
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379				Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NO2 (300.0)	NO3 (300.0)	TSS (2540 D)	Hardness (SM18 2340)												
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681																						
1300 Staton Road				Release No.:																						
Cedar Mountain NC 28718				PO Number: LBIO-66380																						
Sampler(s): <u>T. Obvey, M. Epps, C. Burdorf, K. Teague</u>				Project Name: SED SW PW 2014																						
Project Name: SED SW PW 2014																										
Sample Identification				Date Collected	Time Collected	Matrix	Containers								Surface Water											
							Volume (ml)	Preserv	No.	Condition upon receipt:																
10/23/14 SSP14-SW-04				10/23/14	1010	WW	500 / 1000	None	2													MSD				
SSP14-SW-04						WW	500	HNO3	1													MSD				
SSP14-SW-04						WW	250	HNO3	1													MSD				
SSP14-SW-04						WW	250	None	2	X													MSD			
SSP14-SW-04						WW	40	None	2		X	X													MSD	
SSP14-SW-04						WW	40	None	2	X													MSD			
SSP14-SW-04-z						WW	500	HNO3	1		X													MSD		
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:																
Bottles Relinquished by: <u>Dvg M Nagashiki</u>			Date	Time	Bottles Received by: <u>J. Obvey</u>			Date	Time																	
Bottles Relinquished by: <u>J. Obvey</u>			Date	Time	Bottles Received by:			Date	Time																	
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time																	
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date	Time																	



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513612

Sample Nos.: 7649766-814 22617

Acc't: 06643

SF: 217703

SCR No.: 162890

Cooler No.: 22617

30363

Cooler Temperature upon receipt: 1.9 °C

Container No.: 9

Facility Name: Brevard				Project Manager: Tracy Obvey			Analyses Required										Comments: 3 day holding time for acrolein and acrylonitrile Surface Water Condition upon receipt: <i>In tact</i>									
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379			APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*																	
Facility Address: DuPont Brevard				Job No.: 9267-7720100C-WH06504681																						
1300 Staton Road				Release No.:																						
Cedar Mountain NC 28718				PO Number: LBIO-66380																						
Sampler(s): <i>T. Obvey, M. Epps, C. Burdorf, K. Teague</i>				Project Name: <i>SED SW PW 2014</i>																						
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*																	
				Volume (ml)	Preserv	No.																				
<i>SSPI4-SW-BALLFIELD</i>	<i>10/23/14</i>	<i>1200</i>	<i>WW</i>	<i>40</i>	<i>HCl</i>	<i>5</i>	<i>X</i>	<i>X</i>																		
<i>SSPI4-SW-BALLFIELD -A</i>	<i>↓</i>	<i>↓</i>	<i>WW</i>	<i>40</i>	<i>None</i>	<i>3</i>			<i>X</i>																	

Turnaround Time Requested (please circle) : Standard RUSH Number of days: 8

Special Instructions: ***3 Day Holding Time**

Bottles Relinquished by: <i>J. Obvey</i>	Date: <i>10/17/14</i>	Time: <i>13:05</i>
Bottles Relinquished by: <i>J. Obvey</i>	Date: <i>10/23/14</i>	Time: <i>2:00</i>
Bottles Relinquished by: <i>[Signature]</i>	Date: _____	Time: _____
Bottles Relinquished by: _____	Date: _____	Time: _____

Bottles Received by: <i>J. Obvey</i>	Date: <i>10/22/14</i>	Time: <i>1200</i>
Bottles Received by: _____	Date: _____	Time: _____
Bottles Received by: _____	Date: _____	Time: _____
Bottles Received by: <i>[Signature]</i>	Date: <i>10-24-14</i>	Time: <i>9:30</i>

Client: DuPont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/24/2014 9:30</u>
Number of Packages:	<u>8</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>SC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	36
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 24 HCL, 12 Unpreserved

Unpacked by Timothy Cubberley (6520) at 13:20 on 10/24/2014

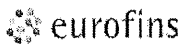
Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.2	DT	Wet	Y	Loose	N
2	DT131	0.4	DT	Wet	Y	Loose	N
3	DT131	1.1	DT	Wet	Y	Loose	N
4	DT131	1.9	DT	Wet	Y	Loose	N
5	DT131	1.5	DT	Wet	Y	Loose	N
6	DT131	1.2	DT	Wet	Y	Loose	N
7	DT131	2.3	DT	Wet	Y	Loose	N
8	DT131	1.1	DT	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
PPS14-SW-04	SSP14-SW-04	
PPS14-SW-04-A	SSP14-SW-04-A	
PPS14-SW-26	SSP14-SW-26	
PPS14-SW-26-A	SSP14-SW-26-A	



Lancaster Laboratories
Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 36375

Group Number(s): 1513612

Client: DuPont

General Comments: One of the SSP-SW-33 vials was empty.

ANALYTICAL BOTTLE SHEET

Project Location: Brevard

Type	ApX IX VOCs	Acrolein & Acrylonitrile	1,4-dioxane	Vinyl Chloride	APP IX Metals + Fe Mn	Diss. APP IX Metals + Fe Mn	Diphenyl Ether + Biphenyl + 1,4-Dioxane	Glycols	Total Hardness	TSS	NO3/NO2
	8260B	8260B	8270D	8260B SIM	6010C/6020A/7 471B	6010C/6020A/7 471B	8270D	8015B MOD	2340 C-1997	2540 D-1997	9056
<u>SURFACE WATER</u>											
SSP14-SW-26 10/22/0915	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-26-A											
SSP14-SW-33 10/22/1300	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-33-A											
SSP14-SW-34 10/22/1220	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-34-A											
SSP14-SW-35 10/22/1130	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-35-A											
SSP14-SW-28 10/22/1545	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-28-A											
SSP14-SW-29 10/22/1510	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-29-A											
SSP14-SW-30 10/22/1745	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-30-A											
SSP14-SW-04 10/23/1010	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-04-A											
SSP14-SW-BALLFIELD 10/23/1008	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-A											
SSP14-SW-											
SSP14-SW-											
SSP14-SW-											
SSP14-SW-											
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SSP14-SW-											
SSP14-SW-											
SSP14-SW-											
SSP14-SW-											
SSP14-SW-04-D 10/23/1010	1	1	1	1	1	1	1	1	1	1	1
SSP14-SW-04-A-D											

ANALYTICAL BOTTLE SHEET

Project Location: Brevard

Type	ApX IX VOCs	Acrolein & Acrylonitrile	1,4-dioxane	Vinyl Chloride	APP IX Metals + Fe Mn	Diss. APP IX Metals + Fe Mn	Diphenyl Ether + Biphenyl + 1,4-Dioxane	Glycols	Total Hardness	TSS	NO3/NO2
	8260B	8260B	8270D	8260B SIM	6010C/6020A/7 471B	6010C/6020A/7 471B	8270D	8015B MOD	2340 C-1997	2540 D-1997	9056
SSP14-SW-04 10/23 10/05	X		X	X	X	X	X	X	X	X	X
SSP14-SW-04 -A MS		X									
SSP14-SW-04 MSD	X		X	X	X	X	X	X	X	X	X
SSP14-SW-04 -A MSD		X									
TB-102314-2 10/23 11/30	1	1		1							
TB-102314-3 -A		1									
TB-102314-3 10/23 1745	1	1		1							
TB-102314-3 -A		1									
TB-102314-1 10/23 1000	1			1							
TB-102314-1 -A		1									
TB-102314-2 10/23 1010	1			1							
TB-102314-2 -A		1									
TB-	1			1							
TB-		1									
TB-	1			1							
TB-		1									
TB-	1			1							
TB-		1									
TB-	1			1							
TB-		1									
TB-	1			1							
TB-		1									
EB-102314-SU 10/23 1000	1		1	1	1	1	1	1	1	1	1
EB-102314-SU -A		1									

50-10-00-00-00-00

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 16, 2014

Project: BRE - SED SW PW

Submittal Date: 10/23/2014

Group Number: 1513295

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SED-09 Sediment
SSP14-SED-10 Sediment
SSP14-SED-04 Sediment
SSP14-SED-04 MS Sediment
SSP14-SED-04 MSD Sediment
SSP14-SED-04 Dupl Sediment
SSP14-SED-04-D Sediment
SSP14-SED-26 Sediment

Lancaster Labs (LL) #

7648226
7648227
7648228
7648229
7648230
7648231
7648232
7648233

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	130	7	21	0.79
10237	Acetonitrile	75-05-8	26	U	110	0.79
10237	Acrolein	107-02-8	21	U	110	0.79
10237	Acrylonitrile	107-13-1	4	U	21	0.79
10237	Allyl Chloride	107-05-1	1	U	5	0.79
10237	Benzene	71-43-2	0.5	U	5	0.79
10237	Bromodichloromethane	75-27-4	1	U	5	0.79
10237	Bromoform	75-25-2	1	U	5	0.79
10237	Bromomethane	74-83-9	2	U	5	0.79
10237	2-Butanone	78-93-3	11	4	11	0.79
10237	Carbon Disulfide	75-15-0	1	U	5	0.79
10237	Carbon Tetrachloride	56-23-5	1	U	5	0.79
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	5	0.79
10237	Chlorobenzene	108-90-7	1	U	5	0.79
10237	Chloroethane	75-00-3	2	U	5	0.79
10237	Chloroform	67-66-3	1	U	5	0.79
10237	Chloromethane	74-87-3	2	U	5	0.79
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	5	0.79
10237	Dibromochloromethane	124-48-1	1	U	5	0.79
10237	1,2-Dibromoethane	106-93-4	1	U	5	0.79
10237	Dibromomethane	74-95-3	1	U	5	0.79
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	53	0.79
10237	Dichlorodifluoromethane	75-71-8	2	U	5	0.79
10237	1,1-Dichloroethane	75-34-3	1	U	5	0.79
10237	1,2-Dichloroethane	107-06-2	1	U	5	0.79
10237	1,1-Dichloroethene	75-35-4	1	U	5	0.79
10237	cis-1,2-Dichloroethene	156-59-2	1	U	5	0.79
10237	trans-1,2-Dichloroethene	156-60-5	1	U	5	0.79
10237	1,2-Dichloropropane	78-87-5	1	U	5	0.79
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	5	0.79
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	5	0.79
10237	Ethyl Methacrylate	97-63-2	1	U	5	0.79
10237	Ethylbenzene	100-41-4	1	U	5	0.79
10237	2-Hexanone	591-78-6	3	U	11	0.79
10237	Isobutyl Alcohol	78-83-1	110	U	260	0.79
10237	Methacrylonitrile	126-98-7	5	U	53	0.79
10237	Methyl Iodide	74-88-4	6	3	5	0.79
10237	Methyl Methacrylate	80-62-6	1	U	5	0.79
10237	4-Methyl-2-pentanone	108-10-1	3	U	11	0.79
10237	Methylene Chloride	75-09-2	2	U	5	0.79
10237	Pentachloroethane	76-01-7	1	U	5	0.79
10237	Propionitrile	107-12-0	32	U	110	0.79
10237	Styrene	100-42-5	1	U	5	0.79
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	5	0.79
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	5	0.79
10237	Tetrachloroethene	127-18-4	1	U	5	0.79
10237	Toluene	108-88-3	1	U	5	0.79
10237	1,1,1-Trichloroethane	71-55-6	1	U	5	0.79
10237	1,1,2-Trichloroethane	79-00-5	1	U	5	0.79
10237	Trichloroethene	79-01-6	1	U	5	0.79
10237	Trichlorofluoromethane	75-69-4	2	U	5	0.79

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.79
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.79
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.79
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.79
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	180	4	23	1
10726	Acenaphthylene	208-96-8	180	4	23	1
10726	Acetophenone	98-86-2	22	U 22	45	1
10726	2-Acetylaminofluorene	53-96-3	89	U 89	220	1
10726	4-Aminobiphenyl	92-67-1	220	U 220	670	1
10726	Aniline	62-53-3	220	U 220	670	1
10726	Anthracene	120-12-7	1,600	4	23	1
10726	Benzo(a)anthracene	56-55-3	3,700	4	23	1
10726	Benzo(a)pyrene	50-32-8	2,800	4	23	1
10726	Benzo(b)fluoranthene	205-99-2	3,600	4	23	1
10726	Benzo(g,h,i)perylene	191-24-2	1,700	4	23	1
10726	Benzo(k)fluoranthene	207-08-9	1,600	4	23	1
10726	Benzyl alcohol	100-51-6	220	U 220	670	1
10726	1,1'-Biphenyl	92-52-4	22	U 22	45	1
10726	4-Bromophenyl-phenylether	101-55-3	22	U 22	45	1
10726	Butylbenzylphthalate	85-68-7	89	U 89	220	1
10726	Di-n-butylphthalate	84-74-2	89	U 89	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22	U 22	45	1
10726	4-Chloroaniline	106-47-8	22	U 22	45	1
10726	Chlorobenzilate	510-15-6	45	U 45	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22	U 22	45	1
10726	bis(2-Chloroethyl)ether	111-44-4	22	U 22	45	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22	U 22	45	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9	U 9	44	1
10726	2-Chlorophenol	95-57-8	22	U 22	45	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22	U 22	45	1
10726	Chrysene	218-01-9	3,600	4	23	1
10726	Diallate TRANS/CIS	2303-16-4	45	U 45	220	1
10726	Dibenz(a,h)anthracene	53-70-3	390	4	23	1
10726	Dibenzofuran	132-64-9	180	22	45	1
10726	1,2-Dichlorobenzene	95-50-1	22	U 22	45	1
10726	1,3-Dichlorobenzene	541-73-1	22	U 22	45	1
10726	1,4-Dichlorobenzene	106-46-7	22	U 22	45	1
10726	3,3'-Dichlorobenzidine	91-94-1	130	U 130	450	1
10726	2,4-Dichlorophenol	120-83-2	22	U 22	45	1
10726	2,6-Dichlorophenol	87-65-0	22	U 22	45	1
10726	Diethylphthalate	84-66-2	89	U 89	220	1
10726	Dimethoate	60-51-5	220	U 220	670	1
10726	p-Dimethylaminoazobenzene	60-11-7	89	U 89	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22	U 22	45	1
10726	3,3'-Dimethylbenzidine	119-93-7	670	U 670	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	45	1
10726	Dimethylphthalate	131-11-3	89	U 89	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	670	1
10726	1,3-Dinitrobenzene	99-65-0	89	U 89	220	1
10726	2,4-Dinitrophenol	51-28-5	400	U 400	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	89	U 89	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	45	1
10726	1,4-Dioxane	123-91-1	130	U 130	450	1
10726	Diphenyl ether	101-84-8	22	U 22	45	1
10726	Ethyl methanesulfonate	62-50-0	89	U 89	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	89	U 89	230	1
10726	Fluoranthene	206-44-0	7,100	22	110	5
10726	Fluorene	86-73-7	490	4	23	1
10726	Hexachlorobenzene	118-74-1	4	U 4	23	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	45	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	670	1
10726	Hexachloroethane	67-72-1	45	U 45	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	450	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,600	4	23	1
10726	Isodrin	465-73-6	22	U 22	45	1
10726	Isophorone	78-59-1	22	U 22	45	1
10726	Isosafrole	120-58-1	89	U 89	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	45	U 45	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	45	1
10726	2-Methylnaphthalene	91-57-6	23	4	23	1
10726	2-Methylphenol	95-48-7	22	U 22	45	1
10726	4-Methylphenol	106-44-5	22	U 22	45	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	28	4	23	1
10726	1,4-Naphthoquinone	130-15-4	1,100	U 1,100	4,500	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	220	U 220	670	1
10726	2-Naphthylamine	91-59-8	220	U 220	670	1
10726	2-Nitroaniline	88-74-4	22	U 22	45	1
10726	3-Nitroaniline	99-09-2	89	U 89	220	1
10726	4-Nitroaniline	100-01-6	89	U 89	220	1
10726	Nitrobenzene	98-95-3	22	U 22	45	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	670	1
10726	2-Nitrophenol	88-75-5	22	U 22	45	1
10726	4-Nitrophenol	100-02-7	220	U 220	670	1
10726	4-Nitroquinoline-1-oxide	56-57-5	450	U 450	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	45	1
10726	N-Nitrosodimethylamine	62-75-9	89	U 89	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10726	N-Nitrosodi-n-butylamine	924-16-3	89	U 89	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	45	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	45	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	89	U 89	220	1
10726	N-Nitrosomorpholine	59-89-2	89	U 89	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	45	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	45	1
10726	Di-n-octylphthalate	117-84-0	89	U 89	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	45	1
10726	Pentachloronitrobenzene	82-68-8	89	U 89	220	1
10726	Pentachlorophenol	87-86-5	45	U 45	230	1
10726	Phenacetin	62-44-2	89	U 89	220	1
10726	Phenanthrene	85-01-8	5,200	4	23	1
10726	Phenol	108-95-2	22	U 22	45	1
10726	1,4-Phenylenediamine	106-50-3	16,000	U 16,000	45,000	1
10726	2-Picoline	109-06-8	130	U 130	450	1
10726	Pronamide	23950-58-5	45	U 45	220	1
10726	Pyrene	129-00-0	5,000	22	110	5
10726	Pyridine	110-86-1	89	U 89	220	1
10726	Safrole	94-59-7	89	U 89	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	45	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	89	U 89	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	89	U 89	220	1
10726	Thionazin	297-97-2	89	U 89	220	1
10726	o-Toluidine	95-53-4	270	U 270	890	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	45	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	45	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	45	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	89	U 89	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	670	1
GC Miscellaneous SW-846 8015C Feb 2007						
Rev 3						
12925	Diethylene glycol	111-46-6	6.7	U 6.7	13	1
12925	Ethylene glycol	107-21-1	6.7	U 6.7	13	1
12925	Propylene glycol	57-55-6	6.7	U 6.7	13	1
12925	Triethylene glycol	112-27-6	6.7	U 6.7	13	1
Metals SW-846 6010C						
06946	Barium	7440-39-3	77.5	0.0421	1.27	1
06947	Beryllium	7440-41-7	0.394	J 0.0854	1.27	1
06949	Cadmium	7440-43-9	0.0497	J 0.0421	1.27	1
06951	Chromium	7440-47-3	1.65	J 0.140	3.82	1
06952	Cobalt	7440-48-4	4.55	0.122	1.27	1
06953	Copper	7440-50-8	4.82	0.421	2.55	1
01654	Iron	7439-89-6	10,900	4.26	51.0	1
06958	Manganese	7439-96-5	5,760	5.29	63.7	50

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	0.407 J	0.191	2.55	1
06966	Silver	7440-22-4	1.41	0.242	1.27	1
06969	Tin	7440-31-5	2.13 J	0.548	25.5	1
06971	Vanadium	7440-62-2	7.11	0.116	1.27	1
06972	Zinc	7440-66-6	63.7	0.331	5.10	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.135 J	0.108	0.510	2
06125	Arsenic	7440-38-2	1.77	0.109	1.02	2
06135	Lead	7439-92-1	5.71	0.0164	0.510	2
06141	Selenium	7782-49-2	0.170 J	0.127	1.02	2
06145	Thallium	7440-28-0	0.348	0.0382	0.255	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0130 U	0.0130	0.259	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	2,020	134	402	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	96.5	0.50	0.50	1
07103	4.75 mm	n.a.	64.8	0.50	0.50	1
07103	3.35 mm	n.a.	58.1	0.50	0.50	1
07103	2.36 mm	n.a.	52.3	0.50	0.50	1
07103	1.18 mm	n.a.	42.7	0.50	0.50	1
07103	0.6 mm	n.a.	30.1	0.50	0.50	1
07103	0.3 mm	n.a.	13.4	0.50	0.50	1
07103	0.15 mm	n.a.	2.3	0.50	0.50	1
07103	0.075 mm	n.a.	0.87	0.50	0.50	1
07103	0.064 mm	n.a.	0.50	0.50	0.50	1
07103	0.05 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.02 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	25.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7648226
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED09

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 14:09	Chelsea B Stong	0.79
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 11:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 11:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 11:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 04:01	Catherine E Bachman	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 13:35	Linda M Hartenstine	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 22:07	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 04:56	Tara L Snyder	50
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:13	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:03	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:03	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:03	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:03	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:03	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:49	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:10	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/24/2014 20:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	240	8	23	0.91
10237	Acetonitrile	75-05-8	28	U	110	0.91
10237	Acrolein	107-02-8	23	U	110	0.91
10237	Acrylonitrile	107-13-1	5	U	23	0.91
10237	Allyl Chloride	107-05-1	1	U	6	0.91
10237	Benzene	71-43-2	0.6	U	6	0.91
10237	Bromodichloromethane	75-27-4	1	U	6	0.91
10237	Bromoform	75-25-2	1	U	6	0.91
10237	Bromomethane	74-83-9	2	U	6	0.91
10237	2-Butanone	78-93-3	15	5	11	0.91
10237	Carbon Disulfide	75-15-0	1	U	6	0.91
10237	Carbon Tetrachloride	56-23-5	1	U	6	0.91
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	0.91
10237	Chlorobenzene	108-90-7	1	U	6	0.91
10237	Chloroethane	75-00-3	2	U	6	0.91
10237	Chloroform	67-66-3	1	U	6	0.91
10237	Chloromethane	74-87-3	2	U	6	0.91
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	0.91
10237	Dibromochloromethane	124-48-1	1	U	6	0.91
10237	1,2-Dibromoethane	106-93-4	1	U	6	0.91
10237	Dibromomethane	74-95-3	1	U	6	0.91
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	56	0.91
10237	Dichlorodifluoromethane	75-71-8	2	U	6	0.91
10237	1,1-Dichloroethane	75-34-3	1	U	6	0.91
10237	1,2-Dichloroethane	107-06-2	1	U	6	0.91
10237	1,1-Dichloroethene	75-35-4	1	U	6	0.91
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	0.91
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	0.91
10237	1,2-Dichloropropane	78-87-5	1	U	6	0.91
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	0.91
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	0.91
10237	Ethyl Methacrylate	97-63-2	1	U	6	0.91
10237	Ethylbenzene	100-41-4	1	U	6	0.91
10237	2-Hexanone	591-78-6	3	U	11	0.91
10237	Isobutyl Alcohol	78-83-1	110	U	280	0.91
10237	Methacrylonitrile	126-98-7	6	U	56	0.91
10237	Methyl Iodide	74-88-4	14	3	6	0.91
10237	Methyl Methacrylate	80-62-6	1	U	6	0.91
10237	4-Methyl-2-pentanone	108-10-1	3	U	11	0.91
10237	Methylene Chloride	75-09-2	2	U	6	0.91
10237	Pentachloroethane	76-01-7	1	U	6	0.91
10237	Propionitrile	107-12-0	34	U	110	0.91
10237	Styrene	100-42-5	1	U	6	0.91
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	0.91
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	6	0.91
10237	Tetrachloroethene	127-18-4	1	U	6	0.91
10237	Toluene	108-88-3	1	U	6	0.91
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	0.91
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	0.91
10237	Trichloroethene	79-01-6	1	U	6	0.91
10237	Trichlorofluoromethane	75-69-4	2	U	6	0.91

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.91
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.91
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.91
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.91
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	83 U	83	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	6 J	4	21	1
10726	Benzo(a)pyrene	50-32-8	7 J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	7 J	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	8 J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	83 U	83	210	1
10726	Di-n-butylphthalate	84-74-2	83 U	83	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	4 U	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	21 U	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	83 U	83	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	83 U	83	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	83	U 83	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	83	U 83	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	83	U 83	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	83	U 83	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	83	U 83	210	1
10726	Fluoranthene	206-44-0	7	J 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	6	J 4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	83	U 83	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	83	U 83	210	1
10726	4-Nitroaniline	100-01-6	83	U 83	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	83	U 83	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
			ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	83	U 83	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	83	U 83	210	1
10726	N-Nitrosomorpholine	59-89-2	83	U 83	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	83	U 83	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	83	U 83	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	83	U 83	210	1
10726	Phenanthrene	85-01-8	4	U 4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	5	J 4	21	1
10726	Pyridine	110-86-1	83	U 83	210	1
10726	Safrole	94-59-7	83	U 83	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	83	U 83	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	83	U 83	210	1
10726	Thionazin	297-97-2	83	U 83	210	1
10726	o-Toluidine	95-53-4	250	U 250	830	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	83	U 83	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1
GC Miscellaneous SW-846 8015C Feb 2007						
			mg/kg	mg/kg	mg/kg	
			Rev 3			
12925	Diethylene glycol	111-46-6	6.2	U 6.2	12	1
12925	Ethylene glycol	107-21-1	6.2	U 6.2	12	1
12925	Propylene glycol	57-55-6	6.2	U 6.2	12	1
12925	Triethylene glycol	112-27-6	6.2	U 6.2	12	1
Metals SW-846 6010C						
			mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	23.5	0.0397	1.20	1
06947	Beryllium	7440-41-7	0.283	J 0.0806	1.20	1
06949	Cadmium	7440-43-9	0.0397	U 0.0397	1.20	1
06951	Chromium	7440-47-3	0.858	J 0.132	3.61	1
06952	Cobalt	7440-48-4	1.94	0.115	1.20	1
06953	Copper	7440-50-8	3.40	0.397	2.41	1
01654	Iron	7439-89-6	9,780	4.02	48.1	1
06958	Manganese	7439-96-5	1,270	2.00	24.1	20

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	0.180 U	0.180	2.41	1
06966	Silver	7440-22-4	0.747 J	0.229	1.20	1
06969	Tin	7440-31-5	1.70 J	0.517	24.1	1
06971	Vanadium	7440-62-2	3.83	0.109	1.20	1
06972	Zinc	7440-66-6	17.9	0.313	4.81	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.102 U	0.102	0.481	2
06125	Arsenic	7440-38-2	0.999	0.103	0.962	2
06135	Lead	7439-92-1	3.39	0.0154	0.481	2
06141	Selenium	7782-49-2	0.150 J	0.120	0.962	2
06145	Thallium	7440-28-0	0.0873 J	0.0361	0.241	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0115 U	0.0115	0.230	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	124 U	124	372	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	66.6	0.50	0.50	1
07103	3.35 mm	n.a.	55.9	0.50	0.50	1
07103	2.36 mm	n.a.	46.5	0.50	0.50	1
07103	1.18 mm	n.a.	33.9	0.50	0.50	1
07103	0.6 mm	n.a.	23.1	0.50	0.50	1
07103	0.3 mm	n.a.	10.4	0.50	0.50	1
07103	0.15 mm	n.a.	1.5	0.50	0.50	1
07103	0.075 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.064 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.05 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.02 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7648227
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED10

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 17:37	Chelsea B Stong	0.91
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 11:20	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 11:20	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 11:20	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 04:26	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 22:22	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 05:04	Tara L Snyder	20
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:17	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:06	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:06	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:06	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:06	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:06	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:55	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:21	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/24/2014 20:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	22	J	31	1.06
10237	Acetonitrile	75-05-8	38	U	38	1.06
10237	Acrolein	107-02-8	31	U	31	1.06
10237	Acrylonitrile	107-13-1	6	U	6	1.06
10237	Allyl Chloride	107-05-1	2	U	2	1.06
10237	Benzene	71-43-2	0.8	U	0.8	1.06
10237	Bromodichloromethane	75-27-4	2	U	2	1.06
10237	Bromoform	75-25-2	2	U	2	1.06
10237	Bromomethane	74-83-9	3	U	3	1.06
10237	2-Butanone	78-93-3	6	U	6	1.06
10237	Carbon Disulfide	75-15-0	2	U	2	1.06
10237	Carbon Tetrachloride	56-23-5	2	U	2	1.06
10237	2-Chloro-1,3-butadiene	126-99-8	2	U	2	1.06
10237	Chlorobenzene	108-90-7	2	U	2	1.06
10237	Chloroethane	75-00-3	3	U	3	1.06
10237	Chloroform	67-66-3	2	U	2	1.06
10237	Chloromethane	74-87-3	3	U	3	1.06
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	1.06
10237	Dibromochloromethane	124-48-1	2	U	2	1.06
10237	1,2-Dibromoethane	106-93-4	2	U	2	1.06
10237	Dibromomethane	74-95-3	2	U	2	1.06
10237	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	1.06
10237	Dichlorodifluoromethane	75-71-8	3	U	3	1.06
10237	1,1-Dichloroethane	75-34-3	2	U	2	1.06
10237	1,2-Dichloroethane	107-06-2	2	U	2	1.06
10237	1,1-Dichloroethene	75-35-4	2	U	2	1.06
10237	cis-1,2-Dichloroethene	156-59-2	2	U	2	1.06
10237	trans-1,2-Dichloroethene	156-60-5	2	U	2	1.06
10237	1,2-Dichloropropane	78-87-5	2	U	2	1.06
10237	cis-1,3-Dichloropropene	10061-01-5	2	U	2	1.06
10237	trans-1,3-Dichloropropene	10061-02-6	2	U	2	1.06
10237	Ethyl Methacrylate	97-63-2	2	U	2	1.06
10237	Ethylbenzene	100-41-4	2	U	2	1.06
10237	2-Hexanone	591-78-6	5	U	5	1.06
10237	Isobutyl Alcohol	78-83-1	150	U	150	1.06
10237	Methacrylonitrile	126-98-7	8	U	8	1.06
10237	Methyl Iodide	74-88-4	5	U	5	1.06
10237	Methyl Methacrylate	80-62-6	2	U	2	1.06
10237	4-Methyl-2-pentanone	108-10-1	5	U	5	1.06
10237	Methylene Chloride	75-09-2	3	U	3	1.06
10237	Pentachloroethane	76-01-7	2	U	2	1.06
10237	Propionitrile	107-12-0	46	U	46	1.06
10237	Styrene	100-42-5	2	U	2	1.06
10237	1,1,1,2-Tetrachloroethane	630-20-6	2	U	2	1.06
10237	1,1,2,2-Tetrachloroethane	79-34-5	2	U	2	1.06
10237	Tetrachloroethene	127-18-4	2	U	2	1.06
10237	Toluene	108-88-3	2	U	2	1.06
10237	1,1,1-Trichloroethane	71-55-6	2	U	2	1.06
10237	1,1,2-Trichloroethane	79-00-5	2	U	2	1.06
10237	Trichloroethene	79-01-6	2	U	2	1.06
10237	Trichlorofluoromethane	75-69-4	3	U	3	1.06

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	2 U	2	8	1.06
10237	Vinyl Acetate	108-05-4	3 U	3	15	1.06
10237	Vinyl Chloride	75-01-4	2 U	2	8	1.06
10237	Xylene (Total)	1330-20-7	2 U	2	8	1.06
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5 U	5	24	1
10726	Acenaphthylene	208-96-8	5 U	5	24	1
10726	Acetophenone	98-86-2	24 U	24	48	1
10726	2-Acetylaminofluorene	53-96-3	96 U	96	240	1
10726	4-Aminobiphenyl	92-67-1	240 U	240	720	1
10726	Aniline	62-53-3	240 U	240	720	1
10726	Anthracene	120-12-7	5 U	5	24	1
10726	Benzo(a)anthracene	56-55-3	7 J	5	24	1
10726	Benzo(a)pyrene	50-32-8	8 J	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	9 J	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	5 U	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	7 J	5	24	1
10726	Benzyl alcohol	100-51-6	240 U	240	720	1
10726	1,1'-Biphenyl	92-52-4	24 U	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	24 U	24	48	1
10726	Butylbenzylphthalate	85-68-7	96 U	96	240	1
10726	Di-n-butylphthalate	84-74-2	96 U	96	240	1
10726	4-Chloro-3-methylphenol	59-50-7	24 U	24	48	1
10726	4-Chloroaniline	106-47-8	24 U	24	48	1
10726	Chlorobenzilate	510-15-6	48 U	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	24 U	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	24 U	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	24 U	24	48	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	10 U	10	47	1
10726	2-Chlorophenol	95-57-8	24 U	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	24 U	24	48	1
10726	Chrysene	218-01-9	10 J	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	48 U	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	24	1
10726	Dibenzofuran	132-64-9	24 U	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	24 U	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	24 U	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	24 U	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	140 U	140	480	1
10726	2,4-Dichlorophenol	120-83-2	24 U	24	48	1
10726	2,6-Dichlorophenol	87-65-0	24 U	24	48	1
10726	Diethylphthalate	84-66-2	96 U	96	240	1
10726	Dimethoate	60-51-5	240 U	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	96 U	96	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	24 U	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	720 U	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	24	U 24	48	1
10726	Dimethylphthalate	131-11-3	96	U 96	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	240	U 240	720	1
10726	1,3-Dinitrobenzene	99-65-0	96	U 96	240	1
10726	2,4-Dinitrophenol	51-28-5	430	U 430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	96	U 96	240	1
10726	2,6-Dinitrotoluene	606-20-2	24	U 24	48	1
10726	1,4-Dioxane	123-91-1	140	U 140	480	1
10726	Diphenyl ether	101-84-8	24	U 24	48	1
10726	Ethyl methanesulfonate	62-50-0	96	U 96	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	96	U 96	240	1
10726	Fluoranthene	206-44-0	19	J 5	24	1
10726	Fluorene	86-73-7	5	U 5	24	1
10726	Hexachlorobenzene	118-74-1	5	U 5	24	1
10726	Hexachlorobutadiene	87-68-3	24	U 24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	240	U 240	720	1
10726	Hexachloroethane	67-72-1	48	U 48	240	1
10726	Hexachloropropene	1888-71-7	140	U 140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	U 5	24	1
10726	Isodrin	465-73-6	24	U 24	48	1
10726	Isophorone	78-59-1	24	U 24	48	1
10726	Isosafrole	120-58-1	96	U 96	240	1
10726	Methapyrilene	91-80-5	2,400	U 2,400	7,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	48	U 48	240	1
10726	3-Methylcholanthrene	56-49-5	24	U 24	48	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	24	1
10726	2-Methylphenol	95-48-7	24	U 24	48	1
10726	4-Methylphenol	106-44-5	24	U 24	48	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	5	U 5	24	1
10726	1,4-Napthoquinone	130-15-4	1,200	U 1,200	4,800	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	240	U 240	720	1
10726	2-Naphthylamine	91-59-8	240	U 240	720	1
10726	2-Nitroaniline	88-74-4	24	U 24	48	1
10726	3-Nitroaniline	99-09-2	96	U 96	240	1
10726	4-Nitroaniline	100-01-6	96	U 96	240	1
10726	Nitrobenzene	98-95-3	24	U 24	48	1
10726	5-Nitro-o-toluidine	99-55-8	240	U 240	720	1
10726	2-Nitrophenol	88-75-5	24	U 24	48	1
10726	4-Nitrophenol	100-02-7	240	U 240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	480	U 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	24	U 24	48	1
10726	N-Nitrosodimethylamine	62-75-9	96	U 96	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	96	U 96	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	24	U 24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	24	U 24	48	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	96	U 96	240	1
10726	N-Nitrosomorpholine	59-89-2	96	U 96	240	1
10726	N-Nitrosopiperidine	100-75-4	24	U 24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	24	U 24	48	1
10726	Di-n-octylphthalate	117-84-0	96	U 96	240	1
10726	Pentachlorobenzene	608-93-5	24	U 24	48	1
10726	Pentachloronitrobenzene	82-68-8	96	U 96	240	1
10726	Pentachlorophenol	87-86-5	48	U 48	240	1
10726	Phenacetin	62-44-2	96	U 96	240	1
10726	Phenanthrene	85-01-8	11	J 5	24	1
10726	Phenol	108-95-2	24	U 24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	140	U 140	480	1
10726	Pronamide	23950-58-5	48	U 48	240	1
10726	Pyrene	129-00-0	14	J 5	24	1
10726	Pyridine	110-86-1	96	U 96	240	1
10726	Safrole	94-59-7	96	U 96	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	24	U 24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	96	U 96	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	96	U 96	240	1
10726	Thionazin	297-97-2	96	U 96	240	1
10726	o-Toluidine	95-53-4	290	U 290	960	1
10726	1,2,4-Trichlorobenzene	120-82-1	24	U 24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	24	U 24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	24	U 24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	96	U 96	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	240	U 240	720	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	7.2	U 7.2	14	1
12925	Ethylene glycol	107-21-1	7.2	U 7.2	14	1
12925	Propylene glycol	57-55-6	7.2	U 7.2	14	1
12925	Triethylene glycol	112-27-6	7.2	U 7.2	14	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	19.4	0.0466	1.41	1
06947	Beryllium	7440-41-7	0.597	J 0.0945	1.41	1
06949	Cadmium	7440-43-9	0.0466	U 0.0466	1.41	1
06951	Chromium	7440-47-3	4.83	0.155	4.23	1
06952	Cobalt	7440-48-4	1.36	J 0.135	1.41	1
06953	Copper	7440-50-8	2.72	J 0.466	2.82	1
01654	Iron	7439-89-6	4,840	4.71	56.4	1
06958	Manganese	7439-96-5	158	0.234	2.82	2

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	2.60 J	0.212	2.82	1
06966	Silver	7440-22-4	0.268 U	0.268	1.41	1
06969	Tin	7440-31-5	2.27 J	0.607	28.2	1
06971	Vanadium	7440-62-2	10.7	0.128	1.41	1
06972	Zinc	7440-66-6	14.4	0.367	5.64	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.119 U	0.119	0.564	2
06125	Arsenic	7440-38-2	0.357 J	0.120	1.13	2
06135	Lead	7439-92-1	3.68	0.0181	0.564	2
06141	Selenium	7782-49-2	0.163 J	0.141	1.13	2
06145	Thallium	7440-28-0	0.0889 J	0.0423	0.282	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0139 U	0.0139	0.277	1
Wet Chemistry EPA 300.0						
			mg/kg	mg/kg	mg/kg	
07336	Nitrate Nitrogen	14797-55-8	0.71 U	0.71	2.1	1
07334	Nitrite Nitrogen	14797-65-0	0.71 U	0.71	1.4	1
SW-846 9060A modified						
			mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	2,740	144	432	1
Wet Chemistry ASTM D422						
			% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	100	0.50	0.50	1
07103	2.36 mm	n.a.	99.8	0.50	0.50	1
07103	1.18 mm	n.a.	99.0	0.50	0.50	1
07103	0.6 mm	n.a.	79.4	0.50	0.50	1
07103	0.3 mm	n.a.	33.7	0.50	0.50	1
07103	0.15 mm	n.a.	11.6	0.50	0.50	1
07103	0.075 mm	n.a.	4.0	0.50	0.50	1
07103	0.064 mm	n.a.	2.0	0.50	0.50	1
07103	0.05 mm	n.a.	0.50	0.50	0.50	1
07103	0.02 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry SM 2540 G-1997						
			%	%	%	
00111	Moisture	n.a.	30.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 14:55	Chelsea B Stong	1.06
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 14:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 02:46	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 22:37	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 04:31	Tara L Snyder	2
06961	Nickel	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/29/2014 23:48	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 08:49	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 08:49	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 08:49	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 08:49	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 08:49	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:34	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
07336	Nitrate Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 07:53	Sandra J Miller	1
07334	Nitrite Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 07:53	Sandra J Miller	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:29	James S Mathiot	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7648228
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01352	Deionized Water Extraction	EPA 300.0	1	14301301201A	10/28/2014 07:50	Nancy J Shoop	1
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/24/2014 20:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	200	9	26	0.92
10237	Acetonitrile	75-05-8	300	54	210	1.49
10237	Acrolein	107-02-8	230	26	130	0.92
10237	Acrylonitrile	107-13-1	120	5	26	0.92
10237	Allyl Chloride	107-05-1	25	1	7	0.92
10237	Benzene	71-43-2	27	0.7	7	0.92
10237	Bromodichloromethane	75-27-4	25	1	7	0.92
10237	Bromoform	75-25-2	22	1	7	0.92
10237	Bromomethane	74-83-9	23	3	7	0.92
10237	2-Butanone	78-93-3	190	5	13	0.92
10237	Carbon Disulfide	75-15-0	26	1	7	0.92
10237	Carbon Tetrachloride	56-23-5	27	1	7	0.92
10237	2-Chloro-1,3-butadiene	126-99-8	24	1	7	0.92
10237	Chlorobenzene	108-90-7	25	1	7	0.92
10237	Chloroethane	75-00-3	25	3	7	0.92
10237	Chloroform	67-66-3	28	1	7	0.92
10237	Chloromethane	74-87-3	27	3	7	0.92
10237	1,2-Dibromo-3-chloropropane	96-12-8	25	3	7	0.92
10237	Dibromochloromethane	124-48-1	25	1	7	0.92
10237	1,2-Dibromoethane	106-93-4	26	1	7	0.92
10237	Dibromomethane	74-95-3	26	1	7	0.92
10237	trans-1,4-Dichloro-2-butene	110-57-6	170	13	66	0.92
10237	Dichlorodifluoromethane	75-71-8	26	3	7	0.92
10237	1,1-Dichloroethane	75-34-3	27	1	7	0.92
10237	1,2-Dichloroethane	107-06-2	28	1	7	0.92
10237	1,1-Dichloroethene	75-35-4	28	1	7	0.92
10237	cis-1,2-Dichloroethene	156-59-2	26	1	7	0.92
10237	trans-1,2-Dichloroethene	156-60-5	27	1	7	0.92
10237	1,2-Dichloropropane	78-87-5	27	1	7	0.92
10237	cis-1,3-Dichloropropene	10061-01-5	23	1	7	0.92
10237	trans-1,3-Dichloropropene	10061-02-6	26	1	7	0.92
10237	Ethyl Methacrylate	97-63-2	24	1	7	0.92
10237	Ethylbenzene	100-41-4	26	1	7	0.92
10237	2-Hexanone	591-78-6	140	4	13	0.92
10237	Isobutyl Alcohol	78-83-1	780	130	330	0.92
10237	Methacrylonitrile	126-98-7	190	7	66	0.92
10237	Methyl Iodide	74-88-4	23	4	7	0.92
10237	Methyl Methacrylate	80-62-6	23	1	7	0.92
10237	4-Methyl-2-pentanone	108-10-1	140	4	13	0.92
10237	Methylene Chloride	75-09-2	28	3	7	0.92
10237	Pentachloroethane	76-01-7	25	1	7	0.92
10237	Propionitrile	107-12-0	230	40	130	0.92
10237	Styrene	100-42-5	22	1	7	0.92
10237	1,1,1,2-Tetrachloroethane	630-20-6	25	1	7	0.92
10237	1,1,2,2-Tetrachloroethane	79-34-5	29	1	7	0.92
10237	Tetrachloroethene	127-18-4	25	1	7	0.92
10237	Toluene	108-88-3	27	1	7	0.92
10237	1,1,1-Trichloroethane	71-55-6	24	1	7	0.92
10237	1,1,2-Trichloroethane	79-00-5	26	1	7	0.92
10237	Trichloroethene	79-01-6	26	1	7	0.92
10237	Trichlorofluoromethane	75-69-4	26	3	7	0.92

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	30	1	7	0.92
10237	Vinyl Acetate	108-05-4	240	4	21	1.49
10237	Vinyl Chloride	75-01-4	26	1	7	0.92
10237	Xylene (Total)	1330-20-7	72	1	7	0.92
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,300	5	24	1
10726	Acenaphthylene	208-96-8	2,900	5	24	1
10726	Acetophenone	98-86-2	2,400	24	48	1
10726	2-Acetylaminofluorene	53-96-3	2,600	96	240	1
10726	4-Aminobiphenyl	92-67-1	950	240	720	1
10726	Aniline	62-53-3	1,900	240	720	1
10726	Anthracene	120-12-7	2,500	5	24	1
10726	Benzo(a)anthracene	56-55-3	2,600	5	24	1
10726	Benzo(a)pyrene	50-32-8	2,500	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	2,700	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	2,600	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	2,400	5	24	1
10726	Benzyl alcohol	100-51-6	2,800	240	720	1
10726	1,1'-Biphenyl	92-52-4	2,400	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	2,400	24	48	1
10726	Butylbenzylphthalate	85-68-7	2,600	96	240	1
10726	Di-n-butylphthalate	84-74-2	2,500	96	240	1
10726	4-Chloro-3-methylphenol	59-50-7	2,800	24	48	1
10726	4-Chloroaniline	106-47-8	1,000	24	48	1
10726	Chlorobenzilate	510-15-6	2,800	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	2,400	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	2,300	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	2,300	24	48	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,800	10	47	1
10726	2-Chlorophenol	95-57-8	2,700	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	2,400	24	48	1
10726	Chrysene	218-01-9	2,600	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	2,500	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	2,600	5	24	1
10726	Dibenzofuran	132-64-9	2,400	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	2,400	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	2,300	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	2,300	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	2,100	140	480	1
10726	2,4-Dichlorophenol	120-83-2	2,700	24	48	1
10726	2,6-Dichlorophenol	87-65-0	2,700	24	48	1
10726	Diethylphthalate	84-66-2	2,500	96	240	1
10726	Dimethoate	60-51-5	2,100	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	3,000	96	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	2,400	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,000	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	2,700	24	48	1
10726	Dimethylphthalate	131-11-3	2,400	96	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,500	240	720	1
10726	1,3-Dinitrobenzene	99-65-0	2,500	96	240	1
10726	2,4-Dinitrophenol	51-28-5	5,300	430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	2,600	96	240	1
10726	2,6-Dinitrotoluene	606-20-2	2,700	24	48	1
10726	1,4-Dioxane	123-91-1	1,400	140	480	1
10726	Diphenyl ether	101-84-8	2,400	24	48	1
10726	Ethyl methanesulfonate	62-50-0	2,000	96	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,500	96	240	1
10726	Fluoranthene	206-44-0	2,500	5	24	1
10726	Fluorene	86-73-7	2,500	5	24	1
10726	Hexachlorobenzene	118-74-1	2,200	5	24	1
10726	Hexachlorobutadiene	87-68-3	2,500	24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	3,900	240	720	1
10726	Hexachloroethane	67-72-1	2,400	48	240	1
10726	Hexachloropropene	1888-71-7	2,300	140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,600	5	24	1
10726	Isodrin	465-73-6	2,500	24	48	1
10726	Isophorone	78-59-1	2,700	24	48	1
10726	Isosafrole	120-58-1	2,700	96	240	1
10726	Methapyrilene	91-80-5	5,300	J 2,400	7,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	1,200	48	240	1
10726	3-Methylcholanthrene	56-49-5	2,800	24	48	1
10726	2-Methylnaphthalene	91-57-6	2,500	5	24	1
10726	2-Methylphenol	95-48-7	2,600	24	48	1
10726	4-Methylphenol	106-44-5	2,600	24	48	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	2,500	5	24	1
10726	1,4-Napthoquinone	130-15-4	2,100	J 1,200	4,800	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	2,900	240	720	1
10726	2-Naphthylamine	91-59-8	1,800	240	720	1
10726	2-Nitroaniline	88-74-4	2,500	24	48	1
10726	3-Nitroaniline	99-09-2	2,500	96	240	1
10726	4-Nitroaniline	100-01-6	2,300	96	240	1
10726	Nitrobenzene	98-95-3	2,500	24	48	1
10726	5-Nitro-o-toluidine	99-55-8	2,300	240	720	1
10726	2-Nitrophenol	88-75-5	2,600	24	48	1
10726	4-Nitrophenol	100-02-7	2,900	240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	18,000	E 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	2,400	24	48	1
10726	N-Nitrosodimethylamine	62-75-9	2,100	96	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	2,500	96	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	2,400	24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	2,500	24	48	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	2,100	96	240	1
10726	N-Nitrosomorpholine	59-89-2	2,300	96	240	1
10726	N-Nitrosopiperidine	100-75-4	2,500	24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	2,500	24	48	1
10726	Di-n-octylphthalate	117-84-0	2,900	96	240	1
10726	Pentachlorobenzene	608-93-5	2,400	24	48	1
10726	Pentachloronitrobenzene	82-68-8	2,800	96	240	1
10726	Pentachlorophenol	87-86-5	2,600	48	240	1
10726	Phenacetin	62-44-2	2,600	96	240	1
10726	Phenanthrene	85-01-8	2,500	5	24	1
10726	Phenol	108-95-2	2,600	24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	2,000	140	480	1
10726	Pronamide	23950-58-5	2,600	48	240	1
10726	Pyrene	129-00-0	2,400	5	24	1
10726	Pyridine	110-86-1	2,000	96	240	1
10726	Safrole	94-59-7	2,600	96	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	2,400	24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,800	96	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	2,300	96	240	1
10726	Thionazin	297-97-2	2,200	96	240	1
10726	o-Toluidine	95-53-4	1,800	290	960	1
10726	1,2,4-Trichlorobenzene	120-82-1	2,400	24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	2,500	24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	2,400	24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	2,300	96	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,800	240	720	1
GC Miscellaneous SW-846 8015C Feb 2007			mg/kg	mg/kg	mg/kg	
Rev 3						
12925	Diethylene glycol	111-46-6	200	7.2	14	1
12925	Ethylene glycol	107-21-1	210	7.2	14	1
12925	Propylene glycol	57-55-6	210	7.2	14	1
12925	Triethylene glycol	112-27-6	190	7.2	14	1
Metals SW-846 6010C			mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	306	0.0475	1.44	1
06947	Beryllium	7440-41-7	8.08	0.0964	1.44	1
06949	Cadmium	7440-43-9	7.41	0.0475	1.44	1
06951	Chromium	7440-47-3	31.4	0.158	4.32	1
06952	Cobalt	7440-48-4	74.6	0.138	1.44	1
06953	Copper	7440-50-8	39.0	0.475	2.88	1
01654	Iron	7439-89-6	3,510	4.81	57.6	1
06958	Manganese	7439-96-5	213	0.239	2.88	2

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	75.0	0.216	2.88	1
06966	Silver	7440-22-4	7.22	0.273	1.44	1
06969	Tin	7440-31-5	583	0.619	28.8	1
06971	Vanadium	7440-62-2	84.3	0.131	1.44	1
06972	Zinc	7440-66-6	82.9	0.374	5.76	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.00	0.121	0.576	2
06125	Arsenic	7440-38-2	3.29	0.123	1.15	2
06135	Lead	7439-92-1	8.51	0.0185	0.576	2
06141	Selenium	7782-49-2	3.32	0.144	1.15	2
06145	Thallium	7440-28-0	0.669	0.0432	0.288	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.192 J	0.0136	0.271	1
Wet Chemistry						
		EPA 300.0	mg/kg	mg/kg	mg/kg	
07336	Nitrate Nitrogen	14797-55-8	15.4	0.71	2.1	1
07334	Nitrite Nitrogen	14797-65-0	15.2	0.71	1.4	1
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	9,230	288	863	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	30.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 15:18	Chelsea B Stong	0.92
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 16:05	Chelsea B Stong	1.49
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 14:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7648229
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 03:11	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 23:22	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 04:43	Tara L Snyder	2
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:00	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 08:56	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 08:56	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 08:56	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 08:56	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 08:56	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:40	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
07336	Nitrate Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 09:46	Sandra J Miller	1
07334	Nitrite Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 09:46	Sandra J Miller	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:42	James S Mathiot	1
01352	Deionized Water Extraction	EPA 300.0	1	14301301201A	10/28/2014 07:50	Nancy J Shoop	1
00118	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	230	11	31	1.07
10237	Acetonitrile	75-05-8	160	32	130	0.9
10237	Acrolein	107-02-8	240	31	150	1.07
10237	Acrylonitrile	107-13-1	140	6	31	1.07
10237	Allyl Chloride	107-05-1	31	2	8	1.07
10237	Benzene	71-43-2	30	0.8	8	1.07
10237	Bromodichloromethane	75-27-4	28	2	8	1.07
10237	Bromoform	75-25-2	25	2	8	1.07
10237	Bromomethane	74-83-9	28	3	8	1.07
10237	2-Butanone	78-93-3	220	6	15	1.07
10237	Carbon Disulfide	75-15-0	29	2	8	1.07
10237	Carbon Tetrachloride	56-23-5	31	2	8	1.07
10237	2-Chloro-1,3-butadiene	126-99-8	28	2	8	1.07
10237	Chlorobenzene	108-90-7	27	2	8	1.07
10237	Chloroethane	75-00-3	31	3	8	1.07
10237	Chloroform	67-66-3	31	2	8	1.07
10237	Chloromethane	74-87-3	33	3	8	1.07
10237	1,2-Dibromo-3-chloropropane	96-12-8	28	3	8	1.07
10237	Dibromochloromethane	124-48-1	28	2	8	1.07
10237	1,2-Dibromoethane	106-93-4	29	2	8	1.07
10237	Dibromomethane	74-95-3	29	2	8	1.07
10237	trans-1,4-Dichloro-2-butene	110-57-6	190	15	77	1.07
10237	Dichlorodifluoromethane	75-71-8	33	3	8	1.07
10237	1,1-Dichloroethane	75-34-3	31	2	8	1.07
10237	1,2-Dichloroethane	107-06-2	32	2	8	1.07
10237	1,1-Dichloroethene	75-35-4	32	2	8	1.07
10237	cis-1,2-Dichloroethene	156-59-2	29	2	8	1.07
10237	trans-1,2-Dichloroethene	156-60-5	31	2	8	1.07
10237	1,2-Dichloropropane	78-87-5	31	2	8	1.07
10237	cis-1,3-Dichloropropene	10061-01-5	26	2	8	1.07
10237	trans-1,3-Dichloropropene	10061-02-6	30	2	8	1.07
10237	Ethyl Methacrylate	97-63-2	28	2	8	1.07
10237	Ethylbenzene	100-41-4	27	2	8	1.07
10237	2-Hexanone	591-78-6	170	5	15	1.07
10237	Isobutyl Alcohol	78-83-1	840	150	380	1.07
10237	Methacrylonitrile	126-98-7	220	8	77	1.07
10237	Methyl Iodide	74-88-4	26	5	8	1.07
10237	Methyl Methacrylate	80-62-6	27	2	8	1.07
10237	4-Methyl-2-pentanone	108-10-1	160	5	15	1.07
10237	Methylene Chloride	75-09-2	32	3	8	1.07
10237	Pentachloroethane	76-01-7	29	2	8	1.07
10237	Propionitrile	107-12-0	250	46	150	1.07
10237	Styrene	100-42-5	23	2	8	1.07
10237	1,1,1,2-Tetrachloroethane	630-20-6	27	2	8	1.07
10237	1,1,2,2-Tetrachloroethane	79-34-5	34	2	8	1.07
10237	Tetrachloroethene	127-18-4	27	2	8	1.07
10237	Toluene	108-88-3	30	2	8	1.07
10237	1,1,1-Trichloroethane	71-55-6	27	2	8	1.07
10237	1,1,2-Trichloroethane	79-00-5	30	2	8	1.07
10237	Trichloroethene	79-01-6	29	2	8	1.07
10237	Trichlorofluoromethane	75-69-4	32	3	8	1.07

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	35	2	8	1.07
10237	Vinyl Acetate	108-05-4	140	3	13	0.9
10237	Vinyl Chloride	75-01-4	32	2	8	1.07
10237	Xylene (Total)	1330-20-7	76	2	8	1.07
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	2,300	5	24	1
10726	Acenaphthylene	208-96-8	2,800	5	24	1
10726	Acetophenone	98-86-2	2,400	24	48	1
10726	2-Acetylaminofluorene	53-96-3	2,600	96	240	1
10726	4-Aminobiphenyl	92-67-1	860	240	720	1
10726	Aniline	62-53-3	2,000	240	720	1
10726	Anthracene	120-12-7	2,500	5	24	1
10726	Benzo(a)anthracene	56-55-3	2,500	5	24	1
10726	Benzo(a)pyrene	50-32-8	2,400	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	2,600	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	2,500	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	2,400	5	24	1
10726	Benzyl alcohol	100-51-6	2,800	240	720	1
10726	1,1'-Biphenyl	92-52-4	2,400	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	2,300	24	48	1
10726	Butylbenzylphthalate	85-68-7	2,600	96	240	1
10726	Di-n-butylphthalate	84-74-2	2,500	96	240	1
10726	4-Chloro-3-methylphenol	59-50-7	2,800	24	48	1
10726	4-Chloroaniline	106-47-8	1,400	24	48	1
10726	Chlorobenzilate	510-15-6	2,800	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	2,400	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	2,200	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	2,200	24	48	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	1,900	10	47	1
10726	2-Chlorophenol	95-57-8	2,700	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	2,500	24	48	1
10726	Chrysene	218-01-9	2,500	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	2,400	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	2,500	5	24	1
10726	Dibenzofuran	132-64-9	2,500	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	2,300	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	2,300	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	2,200	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	2,100	140	480	1
10726	2,4-Dichlorophenol	120-83-2	2,700	24	48	1
10726	2,6-Dichlorophenol	87-65-0	2,700	24	48	1
10726	Diethylphthalate	84-66-2	2,500	96	240	1
10726	Dimethoate	60-51-5	2,100	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	2,800	96	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	2,300	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,300	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	2,800	24	48	1
10726	Dimethylphthalate	131-11-3	2,400	96	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	2,500	240	720	1
10726	1,3-Dinitrobenzene	99-65-0	2,500	96	240	1
10726	2,4-Dinitrophenol	51-28-5	5,200	430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	2,600	96	240	1
10726	2,6-Dinitrotoluene	606-20-2	2,700	24	48	1
10726	1,4-Dioxane	123-91-1	1,400	140	480	1
10726	Diphenyl ether	101-84-8	2,300	24	48	1
10726	Ethyl methanesulfonate	62-50-0	2,100	96	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	2,500	96	240	1
10726	Fluoranthene	206-44-0	2,400	5	24	1
10726	Fluorene	86-73-7	2,500	5	24	1
10726	Hexachlorobenzene	118-74-1	2,200	5	24	1
10726	Hexachlorobutadiene	87-68-3	2,400	24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	3,500	240	720	1
10726	Hexachloroethane	67-72-1	2,300	48	240	1
10726	Hexachloropropene	1888-71-7	2,200	140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,400	5	24	1
10726	Isodrin	465-73-6	2,400	24	48	1
10726	Isophorone	78-59-1	2,600	24	48	1
10726	Isosafrole	120-58-1	2,600	96	240	1
10726	Methapyrilene	91-80-5	4,700	J 2,400	7,200	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	1,400	48	240	1
10726	3-Methylcholanthrene	56-49-5	2,700	24	48	1
10726	2-Methylnaphthalene	91-57-6	2,500	5	24	1
10726	2-Methylphenol	95-48-7	2,600	24	48	1
10726	4-Methylphenol	106-44-5	2,600	24	48	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	2,500	5	24	1
10726	1,4-Naphthoquinone	130-15-4	2,000	J 1,200	4,800	1
The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	3,600	240	720	1
10726	2-Naphthylamine	91-59-8	2,500	240	720	1
10726	2-Nitroaniline	88-74-4	2,700	24	48	1
10726	3-Nitroaniline	99-09-2	2,500	96	240	1
10726	4-Nitroaniline	100-01-6	2,300	96	240	1
10726	Nitrobenzene	98-95-3	2,500	24	48	1
10726	5-Nitro-o-toluidine	99-55-8	2,200	240	720	1
10726	2-Nitrophenol	88-75-5	2,700	24	48	1
10726	4-Nitrophenol	100-02-7	3,000	240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	16,000	E 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	2,300	24	48	1
10726	N-Nitrosodimethylamine	62-75-9	2,100	96	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	2,500	96	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	2,400	24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	2,400	24	48	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	2,000	96	240	1
10726	N-Nitrosomorpholine	59-89-2	2,400	96	240	1
10726	N-Nitrosopiperidine	100-75-4	2,500	24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	2,600	24	48	1
10726	Di-n-octylphthalate	117-84-0	2,900	96	240	1
10726	Pentachlorobenzene	608-93-5	2,500	24	48	1
10726	Pentachloronitrobenzene	82-68-8	2,700	96	240	1
10726	Pentachlorophenol	87-86-5	2,500	48	240	1
10726	Phenacetin	62-44-2	2,500	96	240	1
10726	Phenanthrene	85-01-8	2,400	5	24	1
10726	Phenol	108-95-2	2,600	24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	2,100	140	480	1
10726	Pronamide	23950-58-5	2,600	48	240	1
10726	Pyrene	129-00-0	2,400	5	24	1
10726	Pyridine	110-86-1	1,800	96	240	1
10726	Safrole	94-59-7	2,700	96	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	2,300	24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	2,800	96	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	2,200	96	240	1
10726	Thionazin	297-97-2	2,200	96	240	1
10726	o-Toluidine	95-53-4	2,000	290	960	1
10726	1,2,4-Trichlorobenzene	120-82-1	2,500	24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	2,500	24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	2,500	24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	2,400	96	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	1,700	240	720	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	210	7.2	14	1
12925	Ethylene glycol	107-21-1	220	7.2	14	1
12925	Propylene glycol	57-55-6	220	7.2	14	1
12925	Triethylene glycol	112-27-6	210	7.2	14	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	310	0.0475	1.44	1
06947	Beryllium	7440-41-7	8.19	0.0964	1.44	1
06949	Cadmium	7440-43-9	7.46	0.0475	1.44	1
06951	Chromium	7440-47-3	32.7	0.158	4.32	1
06952	Cobalt	7440-48-4	75.8	0.138	1.44	1
06953	Copper	7440-50-8	39.9	0.475	2.88	1
01654	Iron	7439-89-6	3,900	4.81	57.6	1
06958	Manganese	7439-96-5	207	0.239	2.88	2

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	76.6	0.216	2.88	1
06966	Silver	7440-22-4	7.40	0.273	1.44	1
06969	Tin	7440-31-5	590	0.619	28.8	1
06971	Vanadium	7440-62-2	85.6	0.131	1.44	1
06972	Zinc	7440-66-6	84.9	0.374	5.76	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	2.20	0.121	0.576	2
06125	Arsenic	7440-38-2	4.11	0.123	1.15	2
06135	Lead	7439-92-1	9.01	0.0185	0.576	2
06141	Selenium	7782-49-2	3.68	0.144	1.15	2
06145	Thallium	7440-28-0	0.890	0.0432	0.288	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.200 J	0.0139	0.279	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00118	Moisture	n.a.	30.5	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 15:41	Chelsea B Stong	1.07
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 16:28	Chelsea B Stong	0.9
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 14:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 03:36	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 23:36	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:04	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:04	Tara L Snyder	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7648230
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014	04:47	Tara L Snyder	2
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014	00:04	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014	08:59	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014	08:59	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014	08:59	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014	08:59	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014	08:59	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014	06:42	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014	08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014	10:22	Christopher M Klumpp	1
00118	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014	17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Dupl Sediment
SED SW PW 2014

LL Sample # SW 7648231
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
SW-846 6010C			mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	13.0	0.0461	1.40	1
06947	Beryllium	7440-41-7	0.384 J	0.0936	1.40	1
06949	Cadmium	7440-43-9	0.0461 U	0.0461	1.40	1
06951	Chromium	7440-47-3	1.95 J	0.154	4.19	1
06952	Cobalt	7440-48-4	1.07 J	0.134	1.40	1
06953	Copper	7440-50-8	1.71 J	0.461	2.79	1
01654	Iron	7439-89-6	3,170	4.67	55.9	1
06958	Manganese	7439-96-5	152	0.232	2.79	2
06961	Nickel	7440-02-0	1.15 J	0.210	2.79	1
06966	Silver	7440-22-4	0.265 U	0.265	1.40	1
06969	Tin	7440-31-5	2.11 J	0.601	27.9	1
06971	Vanadium	7440-62-2	6.17	0.127	1.40	1
06972	Zinc	7440-66-6	9.18	0.363	5.59	1
SW-846 6020A			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.118 U	0.118	0.559	2
06125	Arsenic	7440-38-2	0.381 J	0.119	1.12	2
06135	Lead	7439-92-1	1.89	0.0179	0.559	2
06141	Selenium	7782-49-2	0.140 U	0.140	1.12	2
06145	Thallium	7440-28-0	0.0601 J	0.0419	0.279	2
SW-846 7471B			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0136 U	0.0136	0.272	1
Wet Chemistry EPA 300.0			mg/kg	mg/kg	mg/kg	
07336	Nitrate Nitrogen	14797-55-8	0.72 U	0.72	2.1	1
07334	Nitrite Nitrogen	14797-65-0	0.72 U	0.72	1.4	1
SW-846 9060A modified			mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	2,160	144	432	1
Wet Chemistry ASTM D422			% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	100	0.50	0.50	1
07103	2.36 mm	n.a.	99.8	0.50	0.50	1
07103	1.18 mm	n.a.	98.5	0.50	0.50	1
07103	0.6 mm	n.a.	73.5	0.50	0.50	1
07103	0.3 mm	n.a.	29.5	0.50	0.50	1
07103	0.15 mm	n.a.	10.1	0.50	0.50	1
07103	0.075 mm	n.a.	3.5	0.50	0.50	1
07103	0.064 mm	n.a.	3.0	0.50	0.50	1
07103	0.05 mm	n.a.	0.50	0.50	0.50	1
07103	0.02 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Dupl Sediment
SED SW PW 2014

LL Sample # SW 7648231
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Wet Chemistry ASTM D422						
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry SM 2540 G-1997						
00118	Moisture	n.a.	30.5	0.50	0.50	1
00121	Moisture Duplicate	n.a.	30.6	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06946	Barium	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 04:39	Tara L Snyder	2
06961	Nickel	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/29/2014 23:56	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 08:54	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 08:54	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 08:54	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 08:54	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 08:54	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:38	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
07336	Nitrate Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 08:09	Sandra J Miller	1
07334	Nitrite Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 08:09	Sandra J Miller	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:50	James S Mathiot	1
01352	Deionized Water Extraction	EPA 300.0	1	14301301201A	10/28/2014 07:50	Nancy J Shoop	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04 Dupl Sediment
SED SW PW 2014

LL Sample # SW 7648231
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/24/2014	20:00	Luz M Groff	1
00118	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014	17:41	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997	1	14302820003B	10/29/2014	17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED4D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	17	J	10	29
10237	Acetonitrile	75-05-8	37	U	37	150
10237	Acrolein	107-02-8	29	U	29	150
10237	Acrylonitrile	107-13-1	6	U	6	29
10237	Allyl Chloride	107-05-1	1	U	1	7
10237	Benzene	71-43-2	0.7	U	0.7	7
10237	Bromodichloromethane	75-27-4	1	U	1	7
10237	Bromoform	75-25-2	1	U	1	7
10237	Bromomethane	74-83-9	3	U	3	7
10237	2-Butanone	78-93-3	6	U	6	15
10237	Carbon Disulfide	75-15-0	1	U	1	7
10237	Carbon Tetrachloride	56-23-5	1	U	1	7
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	7
10237	Chlorobenzene	108-90-7	1	U	1	7
10237	Chloroethane	75-00-3	3	U	3	7
10237	Chloroform	67-66-3	1	U	1	7
10237	Chloromethane	74-87-3	3	U	3	7
10237	1,2-Dibromo-3-chloropropane	96-12-8	3	U	3	7
10237	Dibromochloromethane	124-48-1	1	U	1	7
10237	1,2-Dibromoethane	106-93-4	1	U	1	7
10237	Dibromomethane	74-95-3	1	U	1	7
10237	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	73
10237	Dichlorodifluoromethane	75-71-8	3	U	3	7
10237	1,1-Dichloroethane	75-34-3	1	U	1	7
10237	1,2-Dichloroethane	107-06-2	1	U	1	7
10237	1,1-Dichloroethene	75-35-4	1	U	1	7
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	7
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	7
10237	1,2-Dichloropropane	78-87-5	1	U	1	7
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	7
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	7
10237	Ethyl Methacrylate	97-63-2	1	U	1	7
10237	Ethylbenzene	100-41-4	1	U	1	7
10237	2-Hexanone	591-78-6	4	U	4	15
10237	Isobutyl Alcohol	78-83-1	150	U	150	370
10237	Methacrylonitrile	126-98-7	7	U	7	73
10237	Methyl Iodide	74-88-4	4	U	4	7
10237	Methyl Methacrylate	80-62-6	1	U	1	7
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	15
10237	Methylene Chloride	75-09-2	3	U	3	7
10237	Pentachloroethane	76-01-7	1	U	1	7
10237	Propionitrile	107-12-0	44	U	44	150
10237	Styrene	100-42-5	1	U	1	7
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	7
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	7
10237	Tetrachloroethene	127-18-4	1	U	1	7
10237	Toluene	108-88-3	1	U	1	7
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	7
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	7
10237	Trichloroethene	79-01-6	1	U	1	7
10237	Trichlorofluoromethane	75-69-4	3	U	3	7

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED4D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	7	1.02
10237	Vinyl Acetate	108-05-4	3 U	3	15	1.02
10237	Vinyl Chloride	75-01-4	1 U	1	7	1.02
10237	Xylene (Total)	1330-20-7	1 U	1	7	1.02
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	5 U	5	24	1
10726	Acenaphthylene	208-96-8	5 U	5	24	1
10726	Acetophenone	98-86-2	24 U	24	48	1
10726	2-Acetylaminofluorene	53-96-3	95 U	95	240	1
10726	4-Aminobiphenyl	92-67-1	240 U	240	720	1
10726	Aniline	62-53-3	240 U	240	720	1
10726	Anthracene	120-12-7	5 U	5	24	1
10726	Benzo(a)anthracene	56-55-3	7 J	5	24	1
10726	Benzo(a)pyrene	50-32-8	11 J	5	24	1
10726	Benzo(b)fluoranthene	205-99-2	12 J	5	24	1
10726	Benzo(g,h,i)perylene	191-24-2	7 J	5	24	1
10726	Benzo(k)fluoranthene	207-08-9	5 U	5	24	1
10726	Benzyl alcohol	100-51-6	240 U	240	720	1
10726	1,1'-Biphenyl	92-52-4	24 U	24	48	1
10726	4-Bromophenyl-phenylether	101-55-3	24 U	24	48	1
10726	Butylbenzylphthalate	85-68-7	95 U	95	240	1
10726	Di-n-butylphthalate	84-74-2	95 U	95	240	1
10726	4-Chloro-3-methylphenol	59-50-7	24 U	24	48	1
10726	4-Chloroaniline	106-47-8	24 U	24	48	1
10726	Chlorobenzilate	510-15-6	48 U	48	240	1
10726	bis(2-Chloroethoxy)methane	111-91-1	24 U	24	48	1
10726	bis(2-Chloroethyl)ether	111-44-4	24 U	24	48	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	24 U	24	48	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	10 U	10	47	1
10726	2-Chlorophenol	95-57-8	24 U	24	48	1
10726	4-Chlorophenyl-phenylether	7005-72-3	24 U	24	48	1
10726	Chrysene	218-01-9	9 J	5	24	1
10726	Diallate TRANS/CIS	2303-16-4	48 U	48	240	1
10726	Dibenz(a,h)anthracene	53-70-3	5 U	5	24	1
10726	Dibenzofuran	132-64-9	24 U	24	48	1
10726	1,2-Dichlorobenzene	95-50-1	24 U	24	48	1
10726	1,3-Dichlorobenzene	541-73-1	24 U	24	48	1
10726	1,4-Dichlorobenzene	106-46-7	24 U	24	48	1
10726	3,3'-Dichlorobenzidine	91-94-1	140 U	140	480	1
10726	2,4-Dichlorophenol	120-83-2	24 U	24	48	1
10726	2,6-Dichlorophenol	87-65-0	24 U	24	48	1
10726	Diethylphthalate	84-66-2	95 U	95	240	1
10726	Dimethoate	60-51-5	240 U	240	720	1
10726	p-Dimethylaminoazobenzene	60-11-7	95 U	95	240	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	24 U	24	48	1
10726	3,3'-Dimethylbenzidine	119-93-7	720 U	720	1,400	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED4D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	24	U 24	48	1
10726	Dimethylphthalate	131-11-3	95	U 95	240	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	240	U 240	720	1
10726	1,3-Dinitrobenzene	99-65-0	95	U 95	240	1
10726	2,4-Dinitrophenol	51-28-5	430	U 430	1,400	1
10726	2,4-Dinitrotoluene	121-14-2	95	U 95	240	1
10726	2,6-Dinitrotoluene	606-20-2	24	U 24	48	1
10726	1,4-Dioxane	123-91-1	140	U 140	480	1
10726	Diphenyl ether	101-84-8	24	U 24	48	1
10726	Ethyl methanesulfonate	62-50-0	95	U 95	240	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	95	U 95	240	1
10726	Fluoranthene	206-44-0	9	J 5	24	1
10726	Fluorene	86-73-7	5	U 5	24	1
10726	Hexachlorobenzene	118-74-1	5	U 5	24	1
10726	Hexachlorobutadiene	87-68-3	24	U 24	48	1
10726	Hexachlorocyclopentadiene	77-47-4	240	U 240	720	1
10726	Hexachloroethane	67-72-1	48	U 48	240	1
10726	Hexachloropropene	1888-71-7	140	U 140	480	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	7	J 5	24	1
10726	Isodrin	465-73-6	24	U 24	48	1
10726	Isophorone	78-59-1	24	U 24	48	1
10726	Isosafrole	120-58-1	95	U 95	240	1
10726	Methapyrilene	91-80-5	2,400	U 2,400	7,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	48	U 48	240	1
10726	3-Methylcholanthrene	56-49-5	24	U 24	48	1
10726	2-Methylnaphthalene	91-57-6	5	U 5	24	1
10726	2-Methylphenol	95-48-7	24	U 24	48	1
10726	4-Methylphenol	106-44-5	24	U 24	48	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	5	U 5	24	1
10726	1,4-Napthoquinone	130-15-4	1,200	U 1,200	4,800	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	240	U 240	720	1
10726	2-Naphthylamine	91-59-8	240	U 240	720	1
10726	2-Nitroaniline	88-74-4	24	U 24	48	1
10726	3-Nitroaniline	99-09-2	95	U 95	240	1
10726	4-Nitroaniline	100-01-6	95	U 95	240	1
10726	Nitrobenzene	98-95-3	24	U 24	48	1
10726	5-Nitro-o-toluidine	99-55-8	240	U 240	720	1
10726	2-Nitrophenol	88-75-5	24	U 24	48	1
10726	4-Nitrophenol	100-02-7	240	U 240	720	1
10726	4-Nitroquinoline-1-oxide	56-57-5	480	U 480	1,400	1
10726	N-Nitrosodiethylamine	55-18-5	24	U 24	48	1
10726	N-Nitrosodimethylamine	62-75-9	95	U 95	240	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED4D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D						
10726	N-Nitrosodi-n-butylamine	924-16-3	95	U 95	240	1
10726	N-Nitroso-di-n-propylamine	621-64-7	24	U 24	48	1
10726	N-Nitrosodiphenylamine	86-30-6	24	U 24	48	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	95	U 95	240	1
10726	N-Nitrosomorpholine	59-89-2	95	U 95	240	1
10726	N-Nitrosopiperidine	100-75-4	24	U 24	48	1
10726	N-Nitrosopyrrolidine	930-55-2	24	U 24	48	1
10726	Di-n-octylphthalate	117-84-0	95	U 95	240	1
10726	Pentachlorobenzene	608-93-5	24	U 24	48	1
10726	Pentachloronitrobenzene	82-68-8	95	U 95	240	1
10726	Pentachlorophenol	87-86-5	48	U 48	240	1
10726	Phenacetin	62-44-2	95	U 95	240	1
10726	Phenanthrene	85-01-8	5	U 5	24	1
10726	Phenol	108-95-2	24	U 24	48	1
10726	1,4-Phenylenediamine	106-50-3	17,000	U 17,000	48,000	1
10726	2-Picoline	109-06-8	140	U 140	480	1
10726	Pronamide	23950-58-5	48	U 48	240	1
10726	Pyrene	129-00-0	8	J 5	24	1
10726	Pyridine	110-86-1	95	U 95	240	1
10726	Safrole	94-59-7	95	U 95	240	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	24	U 24	48	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	95	U 95	240	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	95	U 95	240	1
10726	Thionazin	297-97-2	95	U 95	240	1
10726	o-Toluidine	95-53-4	290	U 290	950	1
10726	1,2,4-Trichlorobenzene	120-82-1	24	U 24	48	1
10726	2,4,5-Trichlorophenol	95-95-4	24	U 24	48	1
10726	2,4,6-Trichlorophenol	88-06-2	24	U 24	48	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	95	U 95	240	1
10726	1,3,5-Trinitrobenzene	99-35-4	240	U 240	720	1
GC Miscellaneous SW-846 8015C Feb 2007						
Rev 3						
12925	Diethylene glycol	111-46-6	7.2	U 7.2	14	1
12925	Ethylene glycol	107-21-1	7.2	U 7.2	14	1
12925	Propylene glycol	57-55-6	7.2	U 7.2	14	1
12925	Triethylene glycol	112-27-6	7.2	U 7.2	14	1
Metals SW-846 6010C						
06946	Barium	7440-39-3	17.3	0.0472	1.43	1
06947	Beryllium	7440-41-7	0.468	J 0.0959	1.43	1
06949	Cadmium	7440-43-9	0.0472	U 0.0472	1.43	1
06951	Chromium	7440-47-3	2.80	J 0.157	4.29	1
06952	Cobalt	7440-48-4	1.21	J 0.137	1.43	1
06953	Copper	7440-50-8	2.28	J 0.472	2.86	1
01654	Iron	7439-89-6	3,790	4.78	57.2	1
06958	Manganese	7439-96-5	139	0.119	1.43	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED4D

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	1.89 J	0.215	2.86	1
06966	Silver	7440-22-4	0.272 U	0.272	1.43	1
06969	Tin	7440-31-5	2.08 J	0.615	28.6	1
06971	Vanadium	7440-62-2	7.58	0.130	1.43	1
06972	Zinc	7440-66-6	12.7	0.372	5.72	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.121 U	0.121	0.572	2
06125	Arsenic	7440-38-2	0.322 J	0.122	1.14	2
06135	Lead	7439-92-1	3.25	0.0184	0.572	2
06141	Selenium	7782-49-2	0.169 J	0.143	1.14	2
06145	Thallium	7440-28-0	0.102 J	0.0429	0.286	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0136 U	0.0136	0.272	1
Wet Chemistry						
		EPA 300.0	mg/kg	mg/kg	mg/kg	
07336	Nitrate Nitrogen	14797-55-8	0.71 U	0.71	2.1	1
07334	Nitrite Nitrogen	14797-65-0	0.71 U	0.71	1.4	1
SW-846 9060A modified						
			mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	2,430	143	429	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	99.9	0.50	0.50	1
07103	2.36 mm	n.a.	99.8	0.50	0.50	1
07103	1.18 mm	n.a.	98.9	0.50	0.50	1
07103	0.6 mm	n.a.	79.9	0.50	0.50	1
07103	0.3 mm	n.a.	33.0	0.50	0.50	1
07103	0.15 mm	n.a.	11.4	0.50	0.50	1
07103	0.075 mm	n.a.	3.9	0.50	0.50	1
07103	0.064 mm	n.a.	2.5	0.50	0.50	1
07103	0.05 mm	n.a.	2.0	0.50	0.50	1
07103	0.02 mm	n.a.	2.0	0.50	0.50	1
07103	0.005 mm	n.a.	1.0	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	30.1	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED4D

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X142971AA	10/24/2014 16:51	Chelsea B Stong	1.02
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/21/2014 14:40	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/21/2014 14:40	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 04:51	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 22:52	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:29	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:13	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:13	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:13	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:13	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:13	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:57	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
07336	Nitrate Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 10:02	Sandra J Miller	1
07334	Nitrite Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 10:02	Sandra J Miller	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 00:58	James S Mathiot	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7648232
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED4D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01352	Deionized Water Extraction	EPA 300.0	1	14301301201A	10/28/2014 07:50	Nancy J Shoop	1
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/24/2014 20:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED26

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	280	48	140	1.41
10237	Acetonitrile	75-05-8	170	U 170	680	1.41
10237	Acrolein	107-02-8	140	U 140	680	1.41
10237	Acrylonitrile	107-13-1	27	U 27	140	1.41
10237	Allyl Chloride	107-05-1	7	U 7	34	1.41
10237	Benzene	71-43-2	3	U 3	34	1.41
10237	Bromodichloromethane	75-27-4	7	U 7	34	1.41
10237	Bromoform	75-25-2	7	U 7	34	1.41
10237	Bromomethane	74-83-9	14	U 14	34	1.41
10237	2-Butanone	78-93-3	27	U 27	68	1.41
10237	Carbon Disulfide	75-15-0	44	7	34	1.41
10237	Carbon Tetrachloride	56-23-5	7	U 7	34	1.41
10237	2-Chloro-1,3-butadiene	126-99-8	7	U 7	34	1.41
10237	Chlorobenzene	108-90-7	7	U 7	34	1.41
10237	Chloroethane	75-00-3	14	U 14	34	1.41
10237	Chloroform	67-66-3	7	U 7	34	1.41
10237	Chloromethane	74-87-3	14	U 14	34	1.41
10237	1,2-Dibromo-3-chloropropane	96-12-8	14	U 14	34	1.41
10237	Dibromochloromethane	124-48-1	7	U 7	34	1.41
10237	1,2-Dibromoethane	106-93-4	7	U 7	34	1.41
10237	Dibromomethane	74-95-3	7	U 7	34	1.41
10237	trans-1,4-Dichloro-2-butene	110-57-6	68	U 68	340	1.41
10237	Dichlorodifluoromethane	75-71-8	14	U 14	34	1.41
10237	1,1-Dichloroethane	75-34-3	9	J 7	34	1.41
10237	1,2-Dichloroethane	107-06-2	7	U 7	34	1.41
10237	1,1-Dichloroethene	75-35-4	8	J 7	34	1.41
10237	cis-1,2-Dichloroethene	156-59-2	9	J 7	34	1.41
10237	trans-1,2-Dichloroethene	156-60-5	7	U 7	34	1.41
10237	1,2-Dichloropropane	78-87-5	7	U 7	34	1.41
10237	cis-1,3-Dichloropropene	10061-01-5	7	U 7	34	1.41
10237	trans-1,3-Dichloropropene	10061-02-6	7	U 7	34	1.41
10237	Ethyl Methacrylate	97-63-2	7	U 7	34	1.41
10237	Ethylbenzene	100-41-4	7	U 7	34	1.41
10237	2-Hexanone	591-78-6	20	U 20	68	1.41
10237	Isobutyl Alcohol	78-83-1	680	U 680	1,700	1.41
10237	Methacrylonitrile	126-98-7	34	U 34	340	1.41
10237	Methyl Iodide	74-88-4	20	U 20	34	1.41
10237	Methyl Methacrylate	80-62-6	7	U 7	34	1.41
10237	4-Methyl-2-pentanone	108-10-1	20	U 20	68	1.41
10237	Methylene Chloride	75-09-2	14	U 14	34	1.41
10237	Pentachloroethane	76-01-7	7	U 7	34	1.41
10237	Propionitrile	107-12-0	200	U 200	680	1.41
10237	Styrene	100-42-5	7	U 7	34	1.41
10237	1,1,1,2-Tetrachloroethane	630-20-6	7	U 7	34	1.41
10237	1,1,2,2-Tetrachloroethane	79-34-5	7	U 7	34	1.41
10237	Tetrachloroethene	127-18-4	7	U 7	34	1.41
10237	Toluene	108-88-3	7	U 7	34	1.41
10237	1,1,1-Trichloroethane	71-55-6	7	U 7	34	1.41
10237	1,1,2-Trichloroethane	79-00-5	7	U 7	34	1.41
10237	Trichloroethene	79-01-6	7	U 7	34	1.41
10237	Trichlorofluoromethane	75-69-4	14	U 14	34	1.41

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED26

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	7 U	7	34	1.41
10237	Vinyl Acetate	108-05-4	14 U	14	68	1.41
10237	Vinyl Chloride	75-01-4	10 J	7	34	1.41
10237	Xylene (Total)	1330-20-7	7 U	7	34	1.41
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	29 J	16	82	1
10726	Acenaphthylene	208-96-8	16 U	16	82	1
10726	Acetophenone	98-86-2	81 U	81	160	1
10726	2-Acetylaminofluorene	53-96-3	320 U	320	810	1
10726	4-Aminobiphenyl	92-67-1	810 U	810	2,400	1
10726	Aniline	62-53-3	810 U	810	2,400	1
10726	Anthracene	120-12-7	16 U	16	82	1
10726	Benzo(a)anthracene	56-55-3	16 U	16	82	1
10726	Benzo(a)pyrene	50-32-8	26 J	16	82	1
10726	Benzo(b)fluoranthene	205-99-2	21 J	16	82	1
10726	Benzo(g,h,i)perylene	191-24-2	22 J	16	82	1
10726	Benzo(k)fluoranthene	207-08-9	16 U	16	82	1
10726	Benzyl alcohol	100-51-6	810 U	810	2,400	1
10726	1,1'-Biphenyl	92-52-4	81 U	81	160	1
10726	4-Bromophenyl-phenylether	101-55-3	81 U	81	160	1
10726	Butylbenzylphthalate	85-68-7	320 U	320	810	1
10726	Di-n-butylphthalate	84-74-2	320 U	320	810	1
10726	4-Chloro-3-methylphenol	59-50-7	81 U	81	160	1
10726	4-Chloroaniline	106-47-8	81 U	81	160	1
10726	Chlorobenzilate	510-15-6	160 U	160	810	1
10726	bis(2-Chloroethoxy)methane	111-91-1	81 U	81	160	1
10726	bis(2-Chloroethyl)ether	111-44-4	81 U	81	160	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	81 U	81	160	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	34 U	34	160	1
10726	2-Chlorophenol	95-57-8	81 U	81	160	1
10726	4-Chlorophenyl-phenylether	7005-72-3	81 U	81	160	1
10726	Chrysene	218-01-9	27 J	16	82	1
10726	Diallate TRANS/CIS	2303-16-4	160 U	160	810	1
10726	Dibenz(a,h)anthracene	53-70-3	16 U	16	82	1
10726	Dibenzofuran	132-64-9	81 U	81	160	1
10726	1,2-Dichlorobenzene	95-50-1	81 U	81	160	1
10726	1,3-Dichlorobenzene	541-73-1	81 U	81	160	1
10726	1,4-Dichlorobenzene	106-46-7	81 U	81	160	1
10726	3,3'-Dichlorobenzidine	91-94-1	480 U	480	1,600	1
10726	2,4-Dichlorophenol	120-83-2	81 U	81	160	1
10726	2,6-Dichlorophenol	87-65-0	81 U	81	160	1
10726	Diethylphthalate	84-66-2	320 U	320	810	1
10726	Dimethoate	60-51-5	810 U	810	2,400	1
10726	p-Dimethylaminoazobenzene	60-11-7	320 U	320	810	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	81 U	81	160	1
10726	3,3'-Dimethylbenzidine	119-93-7	2,400 U	2,400	4,800	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED26

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	81	U 81	160	1
10726	Dimethylphthalate	131-11-3	320	U 320	810	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	810	U 810	2,400	1
10726	1,3-Dinitrobenzene	99-65-0	320	U 320	810	1
10726	2,4-Dinitrophenol	51-28-5	1,400	U 1,400	4,800	1
10726	2,4-Dinitrotoluene	121-14-2	320	U 320	810	1
10726	2,6-Dinitrotoluene	606-20-2	81	U 81	160	1
10726	1,4-Dioxane	123-91-1	480	U 480	1,600	1
10726	Diphenyl ether	101-84-8	96	J 81	160	1
10726	Ethyl methanesulfonate	62-50-0	320	U 320	810	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	320	U 320	820	1
10726	Fluoranthene	206-44-0	51	J 16	82	1
10726	Fluorene	86-73-7	39	J 16	82	1
10726	Hexachlorobenzene	118-74-1	16	U 16	82	1
10726	Hexachlorobutadiene	87-68-3	81	U 81	160	1
10726	Hexachlorocyclopentadiene	77-47-4	810	U 810	2,400	1
10726	Hexachloroethane	67-72-1	160	U 160	810	1
10726	Hexachloropropene	1888-71-7	480	U 480	1,600	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	16	U 16	82	1
10726	Isodrin	465-73-6	81	U 81	160	1
10726	Isophorone	78-59-1	81	U 81	160	1
10726	Isosafrole	120-58-1	320	U 320	810	1
10726	Methapyrilene	91-80-5	8,100	U 8,100	24,000	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	160	U 160	810	1
10726	3-Methylcholanthrene	56-49-5	81	U 81	160	1
10726	2-Methylnaphthalene	91-57-6	16	U 16	82	1
10726	2-Methylphenol	95-48-7	81	U 81	160	1
10726	4-Methylphenol	106-44-5	81	U 81	160	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	16	U 16	82	1
10726	1,4-Napthoquinone	130-15-4	4,000	U 4,000	16,000	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	810	U 810	2,400	1
10726	2-Naphthylamine	91-59-8	810	U 810	2,400	1
10726	2-Nitroaniline	88-74-4	81	U 81	160	1
10726	3-Nitroaniline	99-09-2	320	U 320	810	1
10726	4-Nitroaniline	100-01-6	320	U 320	810	1
10726	Nitrobenzene	98-95-3	81	U 81	160	1
10726	5-Nitro-o-toluidine	99-55-8	810	U 810	2,400	1
10726	2-Nitrophenol	88-75-5	81	U 81	160	1
10726	4-Nitrophenol	100-02-7	810	U 810	2,400	1
10726	4-Nitroquinoline-1-oxide	56-57-5	1,600	U 1,600	4,800	1
10726	N-Nitrosodiethylamine	55-18-5	81	U 81	160	1
10726	N-Nitrosodimethylamine	62-75-9	320	U 320	810	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED26

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	320	U 320	810	1
10726	N-Nitroso-di-n-propylamine	621-64-7	81	U 81	160	1
10726	N-Nitrosodiphenylamine	86-30-6	81	U 81	160	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	320	U 320	810	1
10726	N-Nitrosomorpholine	59-89-2	320	U 320	810	1
10726	N-Nitrosopiperidine	100-75-4	81	U 81	160	1
10726	N-Nitrosopyrrolidine	930-55-2	81	U 81	160	1
10726	Di-n-octylphthalate	117-84-0	320	U 320	810	1
10726	Pentachlorobenzene	608-93-5	81	U 81	160	1
10726	Pentachloronitrobenzene	82-68-8	320	U 320	810	1
10726	Pentachlorophenol	87-86-5	160	U 160	820	1
10726	Phenacetin	62-44-2	320	U 320	810	1
10726	Phenanthrene	85-01-8	19	J 16	82	1
10726	Phenol	108-95-2	81	U 81	160	1
10726	1,4-Phenylenediamine	106-50-3	56,000	U 56,000	160,000	1
10726	2-Picoline	109-06-8	480	U 480	1,600	1
10726	Pronamide	23950-58-5	160	U 160	810	1
10726	Pyrene	129-00-0	41	J 16	82	1
10726	Pyridine	110-86-1	320	U 320	810	1
10726	Safrole	94-59-7	320	U 320	810	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	81	U 81	160	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	320	U 320	810	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	320	U 320	810	1
10726	Thionazin	297-97-2	320	U 320	810	1
10726	o-Toluidine	95-53-4	970	U 970	3,200	1
10726	1,2,4-Trichlorobenzene	120-82-1	81	U 81	160	1
10726	2,4,5-Trichlorophenol	95-95-4	81	U 81	160	1
10726	2,4,6-Trichlorophenol	88-06-2	81	U 81	160	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	320	U 320	810	1
10726	1,3,5-Trinitrobenzene	99-35-4	810	U 810	2,400	1
GC Miscellaneous	SW-846 8015C Feb 2007		mg/kg	mg/kg	mg/kg	
	Rev 3					
12925	Diethylene glycol	111-46-6	24	U 24	48	1
12925	Ethylene glycol	107-21-1	24	U 24	48	1
12925	Propylene glycol	57-55-6	24	U 24	48	1
12925	Triethylene glycol	112-27-6	24	U 24	48	1
Metals	SW-846 6010C		mg/kg	mg/kg	mg/kg	
06946	Barium	7440-39-3	87.1	0.156	4.74	1
06947	Beryllium	7440-41-7	1.82	J 0.317	4.74	1
06949	Cadmium	7440-43-9	0.156	U 0.156	4.74	1
06951	Chromium	7440-47-3	8.02	J 0.521	14.2	1
06952	Cobalt	7440-48-4	3.28	J 0.455	4.74	1
06953	Copper	7440-50-8	11.0	1.56	9.47	1
01654	Iron	7439-89-6	72,700	15.8	189	1
06958	Manganese	7439-96-5	1,350	1.97	23.7	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED26

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	0.710 U	0.710	9.47	1
06966	Silver	7440-22-4	15.3	0.900	4.74	1
06969	Tin	7440-31-5	6.28 J	2.04	94.7	1
06971	Vanadium	7440-62-2	21.5	0.431	4.74	1
06972	Zinc	7440-66-6	59.0	1.23	18.9	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	1.70 J	0.400	1.89	2
06125	Arsenic	7440-38-2	5.12	0.404	3.79	2
06135	Lead	7439-92-1	13.0	0.0608	1.89	2
06141	Selenium	7782-49-2	1.04 J	0.474	3.79	2
06145	Thallium	7440-28-0	1.80	0.142	0.947	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0477 U	0.0477	0.955	1
Wet Chemistry						
		EPA 300.0	mg/kg	mg/kg	mg/kg	
07336	Nitrate Nitrogen	14797-55-8	2.4 U	2.4	7.2	1
07334	Nitrite Nitrogen	14797-65-0	2.4 U	2.4	4.8	1
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	43,500	3,190	9,570	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	99.9	0.50	0.50	1
07103	2.36 mm	n.a.	98.9	0.50	0.50	1
07103	1.18 mm	n.a.	97.8	0.50	0.50	1
07103	0.6 mm	n.a.	92.2	0.50	0.50	1
07103	0.3 mm	n.a.	78.6	0.50	0.50	1
07103	0.15 mm	n.a.	56.4	0.50	0.50	1
07103	0.075 mm	n.a.	37.6	0.50	0.50	1
07103	0.064 mm	n.a.	30.0	0.50	0.50	1
07103	0.05 mm	n.a.	15.0	0.50	0.50	1
07103	0.02 mm	n.a.	8.0	0.50	0.50	1
07103	0.005 mm	n.a.	3.0	0.50	0.50	1
07103	0.002 mm	n.a.	1.0	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	79.3	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40
Reported: 11/16/2014 10:55

SED26

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143001AA	10/27/2014 16:01	Chelsea B Stong	1.41
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201429635951	10/22/2014 09:30	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201429635951	10/22/2014 09:30	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201429635951	10/22/2014 09:30	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14301SLB026	10/30/2014 05:16	Catherine E Bachman	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14301SLB026	10/29/2014 04:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 23:07	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	142970033A	10/24/2014 16:45	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06947	Beryllium	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06949	Cadmium	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06951	Chromium	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06952	Cobalt	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06953	Copper	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
01654	Iron	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06958	Manganese	SW-846 6010C	1	143010637001	10/31/2014 05:08	Tara L Snyder	5
06961	Nickel	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06966	Silver	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06969	Tin	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06971	Vanadium	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06972	Zinc	SW-846 6010C	1	143010637001	10/30/2014 00:33	Tara L Snyder	1
06124	Antimony	SW-846 6020A	1	143010637001A	10/30/2014 09:15	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143010637001A	10/30/2014 09:15	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143010637001A	10/30/2014 09:15	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143010637001B	10/30/2014 09:15	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143010637001A	10/30/2014 09:15	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	142970638002	10/28/2014 06:59	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143010637001	10/29/2014 08:10	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	142970638002	10/27/2014 10:22	Christopher M Klumpp	1
07336	Nitrate Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 10:18	Sandra J Miller	1
07334	Nitrite Nitrogen	EPA 300.0	1	14301301201A	10/29/2014 10:18	Sandra J Miller	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14297049531A	10/25/2014 01:10	James S Mathiot	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7648233
LL Group # 1513295
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/23/2014 09:40

Reported: 11/16/2014 10:55

SED26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01352	Deionized Water Extraction	EPA 300.0	1	14301301201A	10/28/2014 07:50	Nancy J Shoop	1
07103	Grain Size to 1 um	ASTM D422	1	14279710301A	10/27/2014 20:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14302820003B	10/29/2014 17:41	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: X142971AA									
Sample number(s): 7648226-7648230,7648232									
Acetone	7	U	7.	20	ug/kg	92	53-141		
Acetonitrile	25	U	25.	100	ug/kg	102	61-147		
Acrolein	20	U	20.	100	ug/kg	130*	58-122		
Acrylonitrile	4	U	4.	20	ug/kg	89	58-123		
Allyl Chloride	1	U	1.	5	ug/kg	100	61-132		
Benzene	0.5	U	0.5	5	ug/kg	100	80-120		
Bromodichloromethane	1	U	1.	5	ug/kg	92	75-120		
Bromoform	1	U	1.	5	ug/kg	86	70-126		
Bromomethane	2	U	2.	5	ug/kg	91	32-162		
2-Butanone	4	U	4.	10	ug/kg	92	62-123		
Carbon Disulfide	1	U	1.	5	ug/kg	91	63-128		
Carbon Tetrachloride	1	U	1.	5	ug/kg	99	69-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	91	73-120		
Chlorobenzene	1	U	1.	5	ug/kg	97	80-120		
Chloroethane	2	U	2.	5	ug/kg	98	17-171		
Chloroform	1	U	1.	5	ug/kg	100	80-125		
Chloromethane	2	U	2.	5	ug/kg	104	56-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	90	59-122		
Dibromochloromethane	1	U	1.	5	ug/kg	89	77-120		
1,2-Dibromoethane	1	U	1.	5	ug/kg	93	80-120		
Dibromomethane	1	U	1.	5	ug/kg	92	80-120		
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	109	70-128		
Dichlorodifluoromethane	2	U	2.	5	ug/kg	98	26-137		
1,1-Dichloroethane	1	U	1.	5	ug/kg	98	80-122		
1,2-Dichloroethane	1	U	1.	5	ug/kg	100	77-130		
1,1-Dichloroethene	1	U	1.	5	ug/kg	102	73-129		
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	95	80-120		
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	100	80-129		
1,2-Dichloropropane	1	U	1.	5	ug/kg	99	80-120		
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	89	74-120		
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	96	76-120		
Ethyl Methacrylate	1	U	1.	5	ug/kg	86	65-120		
Ethylbenzene	1	U	1.	5	ug/kg	98	80-120		
2-Hexanone	3	U	3.	10	ug/kg	97	51-120		
Isobutyl Alcohol	100	U	100.	250	ug/kg	107	64-121		
Methacrylonitrile	5	U	5.	50	ug/kg	94	73-127		
Methyl Iodide	3	U	3.	5	ug/kg	87	72-130		
Methyl Methacrylate	1	U	1.	5	ug/kg	82	60-120		
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	94	57-123		
Methylene Chloride	2	U	2.	5	ug/kg	101	80-124		
Pentachloroethane	1	U	1.	5	ug/kg	88	71-120		
Propionitrile	30	U	30.	100	ug/kg	112	63-131		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1 U	1.	5	ug/kg	89		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	93		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	96		71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	94		78-120		
Toluene	1 U	1.	5	ug/kg	99		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	86		63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	95		80-120		
Trichloroethene	1 U	1.	5	ug/kg	97		80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	99		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	96		71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	117		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	101		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	92		80-120		

Batch number: X143001AA	Sample number(s): 7648233								
Acetone	7 U	7.	20	ug/kg	101	100	53-141	1	30
Acetonitrile	25 U	25.	100	ug/kg	110	112	61-147	3	30
Acrolein	20 U	20.	100	ug/kg	130*	124*	58-122	5	30
Acrylonitrile	4 U	4.	20	ug/kg	94	94	58-123	0	30
Allyl Chloride	1 U	1.	5	ug/kg	99	100	61-132	1	30
Benzene	0.5 U	0.5	5	ug/kg	102	102	80-120	0	30
Bromodichloromethane	1 U	1.	5	ug/kg	95	95	75-120	0	30
Bromoform	1 U	1.	5	ug/kg	87	86	70-126	1	30
Bromomethane	2 U	2.	5	ug/kg	94	93	32-162	1	30
2-Butanone	4 U	4.	10	ug/kg	95	94	62-123	1	30
Carbon Disulfide	1 U	1.	5	ug/kg	104	102	63-128	2	30
Carbon Tetrachloride	1 U	1.	5	ug/kg	103	99	69-130	3	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/kg	97	96	73-120	2	30
Chlorobenzene	1 U	1.	5	ug/kg	97	96	80-120	0	30
Chloroethane	2 U	2.	5	ug/kg	102	97	17-171	4	30
Chloroform	1 U	1.	5	ug/kg	105	103	80-125	1	30
Chloromethane	2 U	2.	5	ug/kg	109	105	56-120	4	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/kg	93	92	59-122	1	30
Dibromochloromethane	1 U	1.	5	ug/kg	92	91	77-120	1	30
1,2-Dibromoethane	1 U	1.	5	ug/kg	94	94	80-120	0	30
Dibromomethane	1 U	1.	5	ug/kg	95	94	80-120	1	30
trans-1,4-Dichloro-2-butene	10 U	10.	50	ug/kg	112	109	70-128	3	30
Dichlorodifluoromethane	2 U	2.	5	ug/kg	108	104	26-137	4	30
1,1-Dichloroethane	1 U	1.	5	ug/kg	103	102	80-122	0	30
1,2-Dichloroethane	1 U	1.	5	ug/kg	104	102	77-130	1	30
1,1-Dichloroethene	1 U	1.	5	ug/kg	102	99	73-129	3	30
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	97	97	80-120	0	30
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	104	101	80-129	3	30
1,2-Dichloropropane	1 U	1.	5	ug/kg	102	101	80-120	1	30
cis-1,3-Dichloropropene	1 U	1.	5	ug/kg	88	89	74-120	1	30
trans-1,3-Dichloropropene	1 U	1.	5	ug/kg	96	98	76-120	1	30
Ethyl Methacrylate	1 U	1.	5	ug/kg	86	85	65-120	1	30
Ethylbenzene	1 U	1.	5	ug/kg	97	97	80-120	0	30
2-Hexanone	3 U	3.	10	ug/kg	100	99	51-120	2	30
Isobutyl Alcohol	100 U	100.	250	ug/kg	108	110	64-121	1	30
Methacrylonitrile	5 U	5.	50	ug/kg	97	96	73-127	1	30
Methyl Iodide	3 U	3.	5	ug/kg	94	92	72-130	2	30
Methyl Methacrylate	1 U	1.	5	ug/kg	83	83	60-120	0	30
4-Methyl-2-pentanone	3 U	3.	10	ug/kg	97	95	57-123	3	30
Methylene Chloride	2 U	2.	5	ug/kg	101	102	80-124	1	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Pentachloroethane	1 U	1.	5	ug/kg	90	90	71-120	1	30
Propionitrile	30 U	30.	100	ug/kg	117	119	63-131	2	30
Styrene	1 U	1.	5	ug/kg	89	89	76-120	0	30
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	95	94	80-120	1	30
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	97	97	71-123	1	30
Tetrachloroethene	1 U	1.	5	ug/kg	93	91	78-120	2	30
Toluene	1 U	1.	5	ug/kg	100	100	80-120	0	30
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	97	94	63-135	3	30
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	95	95	80-120	0	30
Trichloroethene	1 U	1.	5	ug/kg	99	97	80-125	3	30
Trichlorofluoromethane	2 U	2.	5	ug/kg	105	99	58-133	6	30
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	100	95	71-123	5	30
Vinyl Acetate	2 U	2.	10	ug/kg	112	112	40-127	1	30
Vinyl Chloride	1 U	1.	5	ug/kg	104	98	59-120	6	30
Xylene (Total)	1 U	1.	5	ug/kg	93	92	80-120	1	30

Batch number: 14301SLB026

Sample number(s): 7648226-7648230, 7648232-7648233

Acenaphthene	3 U	3.	17	ug/kg	96		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	120		83-127		
Acetophenone	17 U	17.	33	ug/kg	106		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	105		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	50		14-89		
Aniline	170 U	170.	500	ug/kg	76		43-110		
Anthracene	3 U	3.	17	ug/kg	104		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	108		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	112		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	102		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	106		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	120		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	98		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	99		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	105		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	101		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	117		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	52		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	118		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	99		65-123		
bis(2-Chloroethyl) ether	17 U	17.	33	ug/kg	98		77-115		
bis(2-Chloroisopropyl) ether	17 U	17.	33	ug/kg	98		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	79		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	116		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	102		83-115		
Chrysene	3 U	3.	17	ug/kg	108		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	97		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	106		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	105		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	101		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	98		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	87		10-125		
2,4-Dichlorophenol	17 U	17.	33	ug/kg	115		81-123		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
2,6-Dichlorophenol	17 U	17.	33	ug/kg	114		80-127		
Diethylphthalate	67 U	67.	170	ug/kg	105		81-118		
Dimethoate	170 U	170.	500	ug/kg	40		18-80		
p-Dimethylaminoazobenzene	67 U	67.	170	ug/kg	120		81-130		
3,3'-Dimethylbenzidine	500 U	500.	1,000	ug/kg	94*		17-78		
7,12-Dimethylbenz[a]anthracene	17 U	17.	33	ug/kg	108		80-116		
2,4-Dimethylphenol	17 U	17.	33	ug/kg	115		83-120		
Dimethylphthalate	67 U	67.	170	ug/kg	102		82-113		
4,6-Dinitro-2-methylphenol	170 U	170.	500	ug/kg	100		67-131		
1,3-Dinitrobenzene	67 U	67.	170	ug/kg	110		86-121		
2,4-Dinitrophenol	300 U	300.	1,000	ug/kg	90		42-131		
2,4-Dinitrotoluene	67 U	67.	170	ug/kg	113		81-122		
2,6-Dinitrotoluene	17 U	17.	33	ug/kg	115		83-120		
1,4-Dioxane	100 U	100.	330	ug/kg	69		33-86		
Diphenyl ether	17 U	17.	33	ug/kg	97		84-108		
Ethyl methanesulfonate	67 U	67.	170	ug/kg	104		77-121		
bis(2-Ethylhexyl)phthalate	67 U	67.	170	ug/kg	102		81-121		
Fluoranthene	3 U	3.	17	ug/kg	105		75-118		
Fluorene	3 U	3.	17	ug/kg	108		86-118		
Hexachlorobenzene	3 U	3.	17	ug/kg	90		80-121		
Hexachlorobutadiene	17 U	17.	33	ug/kg	100		78-121		
Hexachlorocyclopentadiene	170 U	170.	500	ug/kg	130		60-157		
Hexachloroethane	33 U	33.	170	ug/kg	102		78-114		
Hexachloropropene	100 U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3 U	3.	17	ug/kg	101		76-122		
Isodrin	17 U	17.	33	ug/kg	104		85-128		
Isophorone	17 U	17.	33	ug/kg	110		83-119		
Isosafrole	67 U	67.	170	ug/kg	106		86-123		
Methapyrilene	1,700 U	1,700.	5,000	ug/kg	94		70-130		
Methyl methanesulfonate	33 U	33.	170	ug/kg	99		73-117		
3-Methylcholanthrene	17 U	17.	33	ug/kg	111		85-126		
2-Methylnaphthalene	3 U	3.	17	ug/kg	102		83-109		
2-Methylphenol	17 U	17.	33	ug/kg	109		82-125		
4-Methylphenol	17 U	17.	33	ug/kg	112		75-119		
Naphthalene	3 U	3.	17	ug/kg	100		83-112		
1,4-Naphthoquinone	830 U	830.	3,300	ug/kg	90		72-111		
1-Naphthylamine	170 U	170.	500	ug/kg	70		36-106		
2-Naphthylamine	170 U	170.	500	ug/kg	49		16-84		
5-Nitro-o-toluidine	170 U	170.	500	ug/kg	73		39-99		
2-Nitroaniline	17 U	17.	33	ug/kg	108		84-126		
3-Nitroaniline	67 U	67.	170	ug/kg	96		66-119		
4-Nitroaniline	67 U	67.	170	ug/kg	104		48-112		
Nitrobenzene	17 U	17.	33	ug/kg	103		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	110		83-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Nitrophenol	170 U	170.	500	ug/kg	112		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	131		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	97		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	107		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	106		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	92		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	98		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	87		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	104		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	111		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	110		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	113		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	97		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	109		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	103		46-133		
Phenacetin	67 U	67.	170	ug/kg	107		76-119		
Phenanthrene	3 U	3.	17	ug/kg	99		80-114		
Phenol	17 U	17.	33	ug/kg	112		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	91		64-108		
Pronamide	33 U	33.	170	ug/kg	100		72-119		
Pyrene	3 U	3.	17	ug/kg	100		81-114		
Pyridine	67 U	67.	170	ug/kg	90		51-109		
Safrole	67 U	67.	170	ug/kg	108		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	102		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	116		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	98		77-123		
Thionazin	67 U	67.	170	ug/kg	98		76-123		
o-Toluidine	200 U	200.	670	ug/kg	55		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	104		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	104		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	89		67-111		
Batch number: 142970033A	Sample number(s): 7648226-7648230,7648232-7648233								
Diethylene glycol	5.0 U	5.0	10	mg/kg	99		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	99		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	99		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	98		34-145		
Batch number: 142970638002	Sample number(s): 7648226-7648233								
Mercury	0.0100 U	0.0100	0.200	mg/kg	89		80-120		
Batch number: 143010637001	Sample number(s): 7648226-7648233								
Barium	0.0330 U	0.0330	1.00	mg/kg	102		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	105		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	103		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	103		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	104		80-120		

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Quality Control Summary

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Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Copper	0.330 U	0.330	2.00	mg/kg	103		80-120		
Iron	3.34 U	3.34	40.0	mg/kg	105		80-120		
Manganese	0.0830 U	0.0830	1.00	mg/kg	103		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	105		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	99		80-120		
Tin	1.39 J	0.430	20.0	mg/kg	102		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	107		80-120		
Zinc	0.439 J	0.260	4.00	mg/kg	104		80-120		
Batch number: 143010637001A	Sample number(s): 7648226-7648233								
Antimony	0.0844 U	0.0844	0.400	mg/kg	100		80-120		
Arsenic	0.0854 U	0.0854	0.800	mg/kg	101		80-120		
Lead	0.0128 U	0.0128	0.400	mg/kg	112		80-120		
Thallium	0.0300 U	0.0300	0.200	mg/kg	108		80-120		
Batch number: 143010637001B	Sample number(s): 7648226-7648233								
Selenium	0.100 U	0.100	0.800	mg/kg	114		80-120		
Batch number: 14297049531A	Sample number(s): 7648226-7648229,7648231-7648233								
Total Organic Carbon (TOC)	100 U	100.	300	mg/kg	110		47-143		
Batch number: 14301301201A	Sample number(s): 7648228-7648229,7648231-7648233								
Nitrate Nitrogen	0.50 U	0.50	1.5	mg/kg	103		90-110		
Nitrite Nitrogen	0.50 U	0.50	1.0	mg/kg	104		90-110		
Batch number: 14302820003B	Sample number(s): 7648226-7648233								
Moisture					100		99-101		
Moisture					100		99-101		
Moisture Duplicate					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X142971AA	Sample number(s): 7648226-7648230,7648232 UNSPK: 7648228								
Acetone	89	89	31-195	13	30				
Acetonitrile	92	84	41-166	58*	30				
Acrolein	115	104	10-165	5	30				
Acrylonitrile	87	88	48-139	16	30				
Allyl Chloride	96	103	55-154	21	30				
Benzene	103	99	55-143	11	30				
Bromodichloromethane	96	93	53-136	12	30				
Bromoform	84	82	50-144	13	30				
Bromomethane	88	92	42-168	20	30				
2-Butanone	95	97	37-163	16	30				
Carbon Disulfide	98	94	48-146	11	30				
Carbon Tetrachloride	103	100	51-165	11	30				
2-Chloro-1,3-butadiene	92	92	51-152	14	30				
Chlorobenzene	95	89	49-135	9	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Chloroethane	95	101	39-152	21	30				
Chloroform	104	101	61-142	12	30				
Chloromethane	101	108	36-143	22	30				
1,2-Dibromo-3-chloropropane	94	91	34-165	12	30				
Dibromochloromethane	95	91	51-128	11	30				
1,2-Dibromoethane	97	96	54-129	14	30				
Dibromomethane	97	93	57-130	11	30				
trans-1,4-Dichloro-2-butene	126	126	31-144	15	30				
Dichlorodifluoromethane	97	106	26-151	24	30				
1,1-Dichloroethane	101	100	63-142	14	30				
1,2-Dichloroethane	105	103	54-143	13	30				
1,1-Dichloroethene	104	104	61-149	14	30				
cis-1,2-Dichloroethene	98	95	67-135	12	30				
trans-1,2-Dichloroethene	103	100	64-144	11	30				
1,2-Dichloropropane	103	100	54-144	12	30				
cis-1,3-Dichloropropene	89	86	45-137	12	30				
trans-1,3-Dichloropropene	99	97	51-134	14	30				
Ethyl Methacrylate	92	93	35-134	16	30				
Ethylbenzene	98	89	44-141	6	30				
2-Hexanone	107	109	32-160	17	30				
Isobutyl Alcohol	119	110	44-158	7	30				
Methacrylonitrile	98	98	54-142	15	30				
Methyl Iodide	89	86	52-139	12	30				
Methyl Methacrylate	88	88	42-134	15	30				
4-Methyl-2-pentanone	105	104	46-139	15	30				
Methylene Chloride	106	103	60-149	13	30				
Pentachloroethane	96	96	35-145	15	30				
Propionitrile	116	108	40-151	7	30				
Styrene	85	76	35-134	4	30				
1,1,1,2-Tetrachloroethane	93	89	55-139	10	30				
1,1,2,2-Tetrachloroethane	109	111	29-182	16	30				
Tetrachloroethene	95	89	42-149	8	30				
Toluene	104	99	50-146	11	30				
1,1,1-Trichloroethane	90	88	52-146	13	30				
1,1,2-Trichloroethane	100	98	58-152	13	30				
Trichloroethene	100	94	53-144	10	30				
Trichlorofluoromethane	99	104	47-163	20	30				
1,2,3-Trichloropropane	114	114	36-180	14	30				
Vinyl Acetate	112	106	21-139	55*	30				
Vinyl Chloride	97	105	50-154	22	30				
Xylene (Total)	91	83	44-136	5	30				

Batch number: X143001AA

Sample number(s): 7648233 BKG: P651659

Acetone	17		13	J	25 (1)	30
Acetonitrile	21	U	19	U	0 (1)	30
Acrolein	17	U	15	U	0 (1)	30
Acrylonitrile	3	U	3	U	0 (1)	30
Allyl Chloride	0.9	U	0.8	U	0 (1)	30
Benzene	0.4	U	0.4	U	0 (1)	30
Bromodichloromethane	0.9	U	0.8	U	0 (1)	30
Bromoform	0.9	U	0.8	U	0 (1)	30
Bromomethane	2	U	2	U	0 (1)	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u>	<u>RPD</u> <u>Max</u>	
2-Butanone					3	U	3	U	0 (1)	30
Carbon Disulfide					0.9	U	0.8	U	0 (1)	30
Carbon Tetrachloride					0.9	U	0.8	U	0 (1)	30
2-Chloro-1,3-butadiene					0.9	U	0.8	U	0 (1)	30
Chlorobenzene					0.9	U	0.8	U	0 (1)	30
Chloroethane					2	U	2	U	0 (1)	30
Chloroform					0.9	U	0.8	U	0 (1)	30
Chloromethane					2	U	2	U	0 (1)	30
1,2-Dibromo-3-chloropropane					2	U	2	U	0 (1)	30
Dibromochloromethane					0.9	U	0.8	U	0 (1)	30
1,2-Dibromoethane					0.9	U	0.8	U	0 (1)	30
Dibromomethane					0.9	U	0.8	U	0 (1)	30
trans-1,4-Dichloro-2-butene					9	U	8	U	0 (1)	30
Dichlorodifluoromethane					2	U	2	U	0 (1)	30
1,1-Dichloroethane					0.9	U	0.8	U	0 (1)	30
1,2-Dichloroethane					0.9	U	0.8	U	0 (1)	30
1,1-Dichloroethene					0.9	U	0.8	U	0 (1)	30
cis-1,2-Dichloroethene					0.9	U	0.8	U	0 (1)	30
trans-1,2-Dichloroethene					0.9	U	0.8	U	0 (1)	30
1,2-Dichloropropane					0.9	U	0.8	U	0 (1)	30
cis-1,3-Dichloropropene					0.9	U	0.8	U	0 (1)	30
trans-1,3-Dichloropropene					0.9	U	0.8	U	0 (1)	30
Ethyl Methacrylate					0.9	U	0.8	U	0 (1)	30
Ethylbenzene					0.9	U	0.8	U	0 (1)	30
2-Hexanone					3	U	2	U	0 (1)	30
Isobutyl Alcohol					85	U	77	U	0 (1)	30
Methacrylonitrile					4	U	4	U	0 (1)	30
Methyl Iodide					3	U	2	U	0 (1)	30
Methyl Methacrylate					0.9	U	0.8	U	0 (1)	30
4-Methyl-2-pentanone					3	U	2	U	0 (1)	30
Methylene Chloride					2	U	2	U	0 (1)	30
Pentachloroethane					0.9	U	0.8	U	0 (1)	30
Propionitrile					26	U	23	U	0 (1)	30
Styrene					0.9	U	0.8	U	0 (1)	30
1,1,1,2-Tetrachloroethane					0.9	U	0.8	U	0 (1)	30
1,1,2,2-Tetrachloroethane					0.9	U	0.8	U	0 (1)	30
Tetrachloroethene					0.9	U	0.8	U	0 (1)	30
Toluene					0.9	U	0.8	U	0 (1)	30
1,1,1-Trichloroethane					0.9	U	0.8	U	0 (1)	30
1,1,2-Trichloroethane					0.9	U	0.8	U	0 (1)	30
Trichloroethene					0.9	U	0.8	U	0 (1)	30
Trichlorofluoromethane					2	U	2	U	0 (1)	30
1,2,3-Trichloropropane					0.9	U	0.8	U	0 (1)	30
Vinyl Acetate					2	U	2	U	0 (1)	30
Vinyl Chloride					0.9	U	0.8	U	0 (1)	30
Xylene (Total)					0.9	U	0.8	U	0 (1)	30

Batch number: 14301SLB026	Sample number(s): 7648226-7648230,7648232-7648233 UNSPK: 7648228				
Acenaphthene	97	97	55-132	0	30
Acenaphthylene	120	118	53-143	1	30
Acetophenone	100	102	67-111	2	30
2-Acetylaminofluorene	109	109	48-138	0	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
4-Aminobiphenyl	39	36	10-80	10	30				
Aniline	81	83	23-96	2	30				
Anthracene	106	103	42-147	3	30				
Benzo(a)anthracene	106	105	32-150	1	30				
Benzo(a)pyrene	106	102	36-151	4	30				
Benzo(b)fluoranthene	111	106	29-150	4	30				
Benzo(g,h,i)perylene	109	105	41-147	3	30				
Benzo(k)fluoranthene	101	98	35-146	3	30				
Benzyl alcohol	116	115	69-131	1	30				
1,1'-Biphenyl	100	99	57-123	1	30				
4-Bromophenyl-phenylether	101	97	58-142	4	30				
Butylbenzylphthalate	109	108	50-137	1	30				
Di-n-butylphthalate	105	103	57-130	2	30				
4-Chloro-3-methylphenol	118	116	39-150	2	30				
4-Chloroaniline	43	59	10-100	32*	30				
Chlorobenzilate	116	115	79-128	0	30				
bis(2-Chloroethoxy)methane	100	100	54-128	0	30				
bis(2-Chloroethyl)ether	94	92	69-114	2	30				
bis(2-Chloroisopropyl)ether	94	91	62-120	4	30				
2-Chloronaphthalene	77	80	40-156	4	30				
2-Chlorophenol	112	113	35-152	1	30				
4-Chlorophenyl-phenylether	101	103	56-130	1	30				
Chrysene	107	103	28-146	4	30				
Diallate TRANS/CIS	104	99	45-145	5	30				
Dibenz(a,h)anthracene	109	104	54-142	6	30				
Dibenzofuran	102	104	46-137	2	30				
1,2-Dichlorobenzene	100	97	45-133	3	30				
1,3-Dichlorobenzene	95	95	45-129	0	30				
1,4-Dichlorobenzene	97	94	44-132	4	30				
3,3'-Dichlorobenzidine	90	89	10-143	1	30				
2,4-Dichlorophenol	114	113	39-153	1	30				
2,6-Dichlorophenol	113	111	56-133	2	30				
Diethylphthalate	104	105	54-127	1	30				
Dimethoate	86	88	39-178	3	30				
p-Dimethylaminoazobenzene	123	118	77-123	5	30				
3,3'-Dimethylbenzidine	83	98	10-103	17	30				
7,12-Dimethylbenz[a]anthracene	98	95	44-139	4	30				
2,4-Dimethylphenol	113	116	38-140	3	30				
Dimethylphthalate	101	99	45-135	2	30				
4,6-Dinitro-2-methylphenol	106	104	10-148	2	30				
1,3-Dinitrobenzene	105	105	73-116	0	30				
2,4-Dinitrophenol	110	108	20-143	2	30				
2,4-Dinitrotoluene	108	109	39-144	1	30				
2,6-Dinitrotoluene	113	111	54-134	1	30				
1,4-Dioxane	60	59	10-98	1	30				
Diphenyl ether	98	96	54-125	2	30				
Ethyl methanesulfonate	84	86	44-120	2	30				
bis(2-Ethylhexyl)phthalate	106	106	52-138	0	30				
Fluoranthene	104	100	41-135	3	30				
Fluorene	104	105	55-128	1	30				
Hexachlorobenzene	91	93	46-132	2	30				
Hexachlorobutadiene	106	102	65-125	4	30				

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Quality Control Summary

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Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

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Hexachlorocyclopentadiene	81	74	10-153	9	30				
Hexachloroethane	101	95	24-138	6	30				
Hexachloropropene	96	92	39-124	4	30				
Indeno (1,2,3-cd)pyrene	107	99	44-147	8	30				
Isodrin	103	98	10-143	5	30				
Isophorone	114	110	68-119	4	30				
Isosafrole	112	109	69-135	3	30				
Methapyrilene	55*	49*	70-130	12	30				
Methyl methanesulfonate	51	56	10-134	11	30				
3-Methylcholanthrene	116	111	65-123	4	30				
2-Methylnaphthalene	104	105	39-140	1	30				
2-Methylphenol	110	110	36-149	0	30				
4-Methylphenol	107	109	29-143	2	30				
Naphthalene	102	103	44-142	1	30				
1,4-Naphthoquinone	88	84	70-130	5	30				
1-Naphthylamine	61	74	10-92	20	30				
2-Naphthylamine	38	52	10-71	31*	30				
5-Nitro-o-toluidine	97	94	33-107	3	30				
2-Nitroaniline	105	111	64-131	6	30				
3-Nitroaniline	103	105	31-145	2	30				
4-Nitroaniline	96	96	30-131	0	30				
Nitrobenzene	103	102	41-141	1	30				
2-Nitrophenol	109	112	45-146	2	30				
4-Nitrophenol	121	126	25-142	4	30				
4-Nitroquinoline-1-oxide	73	66	10-160	11	30				
N-Nitroso-di-n-propylamine	99	100	58-126	1	30				
N-Nitrosodi-n-butylamine	105	106	38-136	0	30				
N-Nitrosodiethylamine	98	96	56-112	3	30				
N-Nitrosodimethylamine	86	86	61-110	0	30				
N-Nitrosodiphenylamine	104	99	59-135	5	30				
N-Nitrosomethylethylamine	86	85	54-118	1	30				
N-Nitrosomorpholine	98	101	72-121	3	30				
N-Nitrosopiperidine	103	106	48-131	2	30				
N-Nitrosopyrrolidine	104	107	59-131	3	30				
Di-n-octylphthalate	121	120	54-151	1	30				
Pentachlorobenzene	102	104	69-119	2	30				
Pentachloronitrobenzene	115	111	78-116	4	30				
Pentachlorophenol	108	105	23-145	3	30				
Phenacetin	107	103	69-121	4	30				
Phenanthrene	104	98	42-141	7	30				
Phenol	109	109	61-130	0	30				
2-Picoline	84	86	55-104	2	30				
Pronamide	109	108	69-130	2	30				
Pyrene	101	99	37-140	3	30				
Pyridine	83	74	16-108	11	30				
Safrole	108	112	76-114	3	30				
1,2,4,5-Tetrachlorobenzene	99	97	71-120	2	30				
2,3,4,6-Tetrachlorophenol	119	118	62-132	1	30				
Tetraethyldithiopyrophosphate	95	92	76-126	3	30				
Thionazin	92	91	65-123	2	30				
o-Toluidine	75	82	21-84	9	30				
1,2,4-Trichlorobenzene	102	104	50-139	2	30				

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Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Sample Matrix Quality Control

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Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
2,4,5-Trichlorophenol	106	105	64-131	1	30				
2,4,6-Trichlorophenol	101	106	60-136	5	30				
O,O,O-Triethylphosphorothioate	95	100	70-119	4	30				
1,3,5-Trinitrobenzene	76	70	10-113	8	30				
Batch number: 142970033A	Sample number(s): 7648226-7648230,7648232-7648233 UNSPK: 7648228								
Diethylene glycol	69	71	48-124	4	20				
Ethylene glycol	71	74	68-115	4	20				
Propylene glycol	71	75	71-115	5	20				
Triethylene glycol	67	71	23-139	6	20				
Batch number: 142970638002	Sample number(s): 7648226-7648233 UNSPK: 7648228 BKG: 7648228								
Mercury	85	86	80-120	4	20	0.0096 U	0.0094 U	0 (1)	20
Batch number: 143010637001	Sample number(s): 7648226-7648233 UNSPK: 7648228 BKG: 7648228								
Barium	100	101	75-125	1	20	13.5	9.02	40*	20
Beryllium	104	106	75-125	1	20	0.415 J	0.267 J	43* (1)	20
Cadmium	103	104	75-125	1	20	0.0324 U	0.0320 U	0 (1)	20
Chromium	92	97	75-125	4	20	3.36	1.35 J	85* (1)	20
Cobalt	102	103	75-125	2	20	0.946 J	0.746 J	24* (1)	20
Copper	101	103	75-125	2	20	1.89 J	1.19 J	46* (1)	20
Iron	-925 (2)	-660 (2)	75-125	10	20	3,370	2,200	42*	20
Manganese	76	68*	75-125	3	20	110	106	4	20
Nickel	101	103	75-125	2	20	1.81 J	0.796 J	78* (1)	20
Silver	100	103	75-125	3	20	0.186 U	0.184 U	0 (1)	20
Tin	101	102	75-125	1	20	1.58 J	1.47 J	7 (1)	20
Vanadium	102	104	75-125	2	20	7.44	4.29	54* (1)	20
Zinc	95	98	75-125	2	20	10.0	6.38	44* (1)	20
Batch number: 143010637001A	Sample number(s): 7648226-7648233 UNSPK: 7648228 BKG: 7648228								
Antimony	116	128*	75-125	10	20	0.0827 U	0.0819 U	0 (1)	20
Arsenic	102	131*	75-125	22*	20	0.248 J	0.264 J	6 (1)	20
Lead	112	123	75-125	6	20	2.56	1.31	64* (1)	20
Thallium	101	139*	75-125	28*	20	0.0618 J	0.0417 J	39* (1)	20
Batch number: 143010637001B	Sample number(s): 7648226-7648233 UNSPK: 7648228 BKG: 7648228								
Selenium	110	122	75-125	10	20	0.113 J	0.0971 U	200* (1)	20
Batch number: 14297049531A	Sample number(s): 7648226-7648229,7648231-7648233 UNSPK: 7648228 BKG: 7648228								
Total Organic Carbon (TOC)	75		22-155			1,910	1,500	24*	13
Batch number: 14301301201A	Sample number(s): 7648228-7648229,7648231-7648233 UNSPK: 7648228 BKG: 7648228								
Nitrate Nitrogen	109		90-110			0.50 U	0.50 U	0 (1)	20
Nitrite Nitrogen	107		90-110			0.50 U	0.50 U	0 (1)	20
Batch number: 14279710301A	Sample number(s): 7648226-7648228,7648231-7648233 BKG: 7648228								
75 mm						100	100	0	20
37.5 mm						100	100	0	20
19 mm						100	100	0	20
4.75 mm						100	100	0	20
3.35 mm						100	100	0	20

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Quality Control Summary

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Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

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2.36 mm					99.8	99.8	0		20
1.18 mm					99.0	98.5	1		20
0.6 mm					79.4	73.5	8		20
0.3 mm					33.7	29.5	13		20
0.15 mm					11.6	10.1	13		20
0.075 mm					4.0	3.5	13		20
0.064 mm					2.0	3.0	40* (1)		20
0.05 mm					0.50	0.50	0 (1)		20
0.02 mm					0.50 U	0.50 U	0 (1)		20
0.005 mm					0.50 U	0.50 U	0 (1)		20
0.002 mm					0.50 U	0.50 U	0 (1)		20
0.001 mm					0.50 U	0.50 U	0 (1)		20

Batch number: 14302820003B	Sample number(s): 7648226-7648233	BKG: 7648228		
Moisture		30.5	30.6	1 5
Moisture		30.5	30.6	1 5
Moisture Duplicate		30.5	30.6	1 5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: X142971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7648226	96	95	98	96
7648227	96	95	99	98
7648228	100	97	101	89
7648229	97	96	105	99
7648230	96	94	106	97
7648232	99	96	101	89
Blank	98	97	99	92
LCS	95	94	103	102
MS	97	96	105	99
MSD	96	94	106	97
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles
Batch number: X143001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7648233	99	91	104	86
Blank	100	99	99	92
DUP	101	97	97	93
LCS	97	93	103	102
LCSD	97	94	104	103
Limits:	50-141	54-135	52-141	50-131

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/16/14 at 10:55 AM

Group Number: 1513295

Surrogate Quality Control

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14301SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7648226	96	94	101	94	96	110
7648227	99	98	109	86	85	101
7648228	96	98	105	90	88	103
7648229	103	105	110	97	93	105
7648230	104	104	111	96	93	108
7648232	99	102	113	93	91	106
7648233	97	99	113	86	90	101
Blank	88	94	105	92	96	116
LCS	109	111	111	97	92	107
MS	103	105	110	97	93	105
MSD	104	104	111	96	93	108
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: 4 Gylcol Compounds
Batch number: 142970033A

	Tetramethylene glycol
7648226	74
7648227	72
7648228	64*
7648229	64*
7648230	65*
7648232	62*
7648233	47*
Blank	85
LCS	89
MS	64*
MSD	65*
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513295 Sample Nos.: 7648226-33

Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C22095 **30341**

Cooler Temperature upon receipt: 0.5 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:												
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																								
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																								
1300 Staton Road		Release No.:																								
Cedar Mountain NC 28718		PO Number: LBIO-66380																								
Sampler(s): <u>M. Epps, C. Burdorf, T. Obvey, K. Taguer</u>		Project Name: SED SW PW 2014		APPIX Volatiles (8260)										Condition upon receipt:												
Sample Identification																Containers										
Date Collected	Time Collected	Matrix	Volume (ml)													Preserv	No.									
SSP14-SED- <u>04</u>	<u>10/21/14</u>	<u>1440</u>	SW													40	MeOH	1	X							
SSP14-SED- <u>04</u>	↓	↓	SW													40	NaHSO4	2	X							
SSP14-SED- <u>04 CAB 26</u>	<u>10/22/14</u>	<u>0930</u>	SW													40	MeOH	1	X							
SSP14-SED- <u>26</u>	↓	↓	SW													40	NaHSO4	2	X							
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>						Special Instructions:																				
Bottles Relinquished by: <u>Lina Megaloto</u>		Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>T. Obvey</u>		Date: <u>10/20/14</u>	Time: <u>1200</u>																			
Bottles Relinquished by: <u>T. Obvey</u>		Date: <u>10/22/14</u>	Time: <u>1215</u>	Bottles Received by:		Date:	Time:																			
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:																			
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>C. Epps</u>		Date: <u>10/23/14</u>	Time: <u>0940</u>																			

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 12, 2014

Project: BRE - SED SW PW

Submittal Date: 10/31/2014

Group Number: 1515131

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SED-05 Sediment
SSP14-SED-06 Sediment
SSP14-SED-07 Sediment
SSP14-SED-27 Sediment
SSP14-SED-14 Sediment
SSP14-SED-31 Sediment
SSP14-SED-32 Sediment
TB-102914-2 Blank Water
TB-102914-3 Blank Water

Lancaster Labs (LL) #

7657439
7657441
7657443
7657445
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7657449
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7657453
7657454

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-05 Sediment
SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	23	8	22	0.8
10237	Acetonitrile	75-05-8	27	U 27	110	0.8
10237	Acrolein	107-02-8	22	U 22	110	0.8
10237	Acrylonitrile	107-13-1	4	U 4	22	0.8
10237	Allyl Chloride	107-05-1	1	U 1	5	0.8
10237	Benzene	71-43-2	0.5	U 0.5	5	0.8
10237	Bromodichloromethane	75-27-4	1	U 1	5	0.8
10237	Bromoform	75-25-2	1	U 1	5	0.8
10237	Bromomethane	74-83-9	2	U 2	5	0.8
10237	2-Butanone	78-93-3	4	U 4	11	0.8
10237	Carbon Disulfide	75-15-0	1	U 1	5	0.8
10237	Carbon Tetrachloride	56-23-5	1	U 1	5	0.8
10237	2-Chloro-1,3-butadiene	126-99-8	1	U 1	5	0.8
10237	Chlorobenzene	108-90-7	1	U 1	5	0.8
10237	Chloroethane	75-00-3	2	U 2	5	0.8
10237	Chloroform	67-66-3	1	U 1	5	0.8
10237	Chloromethane	74-87-3	2	U 2	5	0.8
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U 2	5	0.8
10237	Dibromochloromethane	124-48-1	1	U 1	5	0.8
10237	1,2-Dibromoethane	106-93-4	1	U 1	5	0.8
10237	Dibromomethane	74-95-3	1	U 1	5	0.8
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U 11	54	0.8
10237	Dichlorodifluoromethane	75-71-8	2	U 2	5	0.8
10237	1,1-Dichloroethane	75-34-3	1	U 1	5	0.8
10237	1,2-Dichloroethane	107-06-2	1	U 1	5	0.8
10237	1,1-Dichloroethene	75-35-4	1	U 1	5	0.8
10237	cis-1,2-Dichloroethene	156-59-2	1	U 1	5	0.8
10237	trans-1,2-Dichloroethene	156-60-5	1	U 1	5	0.8
10237	1,2-Dichloropropane	78-87-5	1	U 1	5	0.8
10237	cis-1,3-Dichloropropene	10061-01-5	1	U 1	5	0.8
10237	trans-1,3-Dichloropropene	10061-02-6	1	U 1	5	0.8
10237	Ethyl Methacrylate	97-63-2	1	U 1	5	0.8
10237	Ethylbenzene	100-41-4	1	U 1	5	0.8
10237	2-Hexanone	591-78-6	3	U 3	11	0.8
10237	Isobutyl Alcohol	78-83-1	110	U 110	270	0.8
10237	Methacrylonitrile	126-98-7	5	U 5	54	0.8
10237	Methyl Iodide	74-88-4	3	U 3	5	0.8
10237	Methyl Methacrylate	80-62-6	1	U 1	5	0.8
10237	4-Methyl-2-pentanone	108-10-1	3	U 3	11	0.8
10237	Methylene Chloride	75-09-2	2	U 2	5	0.8
10237	Pentachloroethane	76-01-7	1	U 1	5	0.8
10237	Propionitrile	107-12-0	32	U 32	110	0.8
10237	Styrene	100-42-5	1	U 1	5	0.8
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U 1	5	0.8
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U 1	5	0.8
10237	Tetrachloroethene	127-18-4	1	U 1	5	0.8
10237	Toluene	108-88-3	1	U 1	5	0.8
10237	1,1,1-Trichloroethane	71-55-6	1	U 1	5	0.8
10237	1,1,2-Trichloroethane	79-00-5	1	U 1	5	0.8
10237	Trichloroethene	79-01-6	1	U 1	5	0.8
10237	Trichlorofluoromethane	75-69-4	2	U 2	5	0.8

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-05 Sediment
SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.8
10237	Vinyl Acetate	108-05-4	2 U	2	11	0.8
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.8
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.8
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	11 J	4	23	1
10726	Acenaphthylene	208-96-8	4 U	4	23	1
10726	Acetophenone	98-86-2	22 U	22	45	1
10726	2-Acetylaminofluorene	53-96-3	89 U	89	220	1
10726	4-Aminobiphenyl	92-67-1	220 U	220	670	1
10726	Aniline	62-53-3	220 U	220	670	1
10726	Anthracene	120-12-7	6 J	4	23	1
10726	Benzo(a)anthracene	56-55-3	14 J	4	23	1
10726	Benzo(a)pyrene	50-32-8	16 J	4	23	1
10726	Benzo(b)fluoranthene	205-99-2	22 J	4	23	1
10726	Benzo(g,h,i)perylene	191-24-2	12 J	4	23	1
10726	Benzo(k)fluoranthene	207-08-9	5 J	4	23	1
10726	Benzyl alcohol	100-51-6	220 U	220	670	1
10726	1,1'-Biphenyl	92-52-4	26 J	22	45	1
10726	4-Bromophenyl-phenylether	101-55-3	22 U	22	45	1
10726	Butylbenzylphthalate	85-68-7	89 U	89	220	1
10726	Di-n-butylphthalate	84-74-2	89 U	89	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22 U	22	45	1
10726	4-Chloroaniline	106-47-8	22 U	22	45	1
10726	Chlorobenzilate	510-15-6	45 U	45	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22 U	22	45	1
10726	bis(2-Chloroethyl)ether	111-44-4	22 U	22	45	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22 U	22	45	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	44	1
10726	2-Chlorophenol	95-57-8	22 U	22	45	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22 U	22	45	1
10726	Chrysene	218-01-9	20 J	4	23	1
10726	Diallate TRANS/CIS	2303-16-4	45 U	45	220	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	23	1
10726	Dibenzofuran	132-64-9	22 U	22	45	1
10726	1,2-Dichlorobenzene	95-50-1	22 U	22	45	1
10726	1,3-Dichlorobenzene	541-73-1	22 U	22	45	1
10726	1,4-Dichlorobenzene	106-46-7	22 U	22	45	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	450	1
10726	2,4-Dichlorophenol	120-83-2	22 U	22	45	1
10726	2,6-Dichlorophenol	87-65-0	22 U	22	45	1
10726	Diethylphthalate	84-66-2	89 U	89	220	1
10726	Dimethoate	60-51-5	220 U	220	670	1
10726	p-Dimethylaminoazobenzene	60-11-7	89 U	89	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22 U	22	45	1
10726	3,3'-Dimethylbenzidine	119-93-7	670 U	670	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-05 Sediment
SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	45	1
10726	Dimethylphthalate	131-11-3	89	U 89	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	670	1
10726	1,3-Dinitrobenzene	99-65-0	89	U 89	220	1
10726	2,4-Dinitrophenol	51-28-5	400	U 400	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	89	U 89	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	45	1
10726	1,4-Dioxane	123-91-1	130	U 130	450	1
10726	Diphenyl ether	101-84-8	700	22	45	1
10726	Ethyl methanesulfonate	62-50-0	89	U 89	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	89	U 89	230	1
10726	Fluoranthene	206-44-0	35	4	23	1
10726	Fluorene	86-73-7	6	J 4	23	1
10726	Hexachlorobenzene	118-74-1	4	U 4	23	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	45	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	670	1
10726	Hexachloroethane	67-72-1	45	U 45	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	450	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	13	J 4	23	1
10726	Isodrin	465-73-6	22	U 22	45	1
10726	Isophorone	78-59-1	22	U 22	45	1
10726	Isosafrole	120-58-1	89	U 89	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	45	U 45	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	45	1
10726	2-Methylnaphthalene	91-57-6	6	J 4	23	1
10726	2-Methylphenol	95-48-7	22	U 22	45	1
10726	4-Methylphenol	106-44-5	22	U 22	45	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	35	4	23	1
10726	1,4-Naphthoquinone	130-15-4	1,100	U 1,100	4,500	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	220	U 220	670	1
10726	2-Naphthylamine	91-59-8	220	U 220	670	1
10726	2-Nitroaniline	88-74-4	22	U 22	45	1
10726	3-Nitroaniline	99-09-2	89	U 89	220	1
10726	4-Nitroaniline	100-01-6	89	U 89	220	1
10726	Nitrobenzene	98-95-3	22	U 22	45	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	670	1
10726	2-Nitrophenol	88-75-5	22	U 22	45	1
10726	4-Nitrophenol	100-02-7	220	U 220	670	1
10726	4-Nitroquinoline-1-oxide	56-57-5	450	U 450	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	45	1
10726	N-Nitrosodimethylamine	62-75-9	89	U 89	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-05 Sediment
SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	89	U 89	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	45	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	45	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	89	U 89	220	1
10726	N-Nitrosomorpholine	59-89-2	89	U 89	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	45	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	45	1
10726	Di-n-octylphthalate	117-84-0	89	U 89	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	45	1
10726	Pentachloronitrobenzene	82-68-8	89	U 89	220	1
10726	Pentachlorophenol	87-86-5	45	U 45	230	1
10726	Phenacetin	62-44-2	89	U 89	220	1
10726	Phenanthrene	85-01-8	23	J 4	23	1
10726	Phenol	108-95-2	22	U 22	45	1
10726	1,4-Phenylenediamine	106-50-3	16,000	U 16,000	45,000	1
10726	2-Picoline	109-06-8	130	U 130	450	1
10726	Pronamide	23950-58-5	45	U 45	220	1
10726	Pyrene	129-00-0	29	4	23	1
10726	Pyridine	110-86-1	89	U 89	220	1
10726	Safrole	94-59-7	89	U 89	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	45	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	89	U 89	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	89	U 89	220	1
10726	Thionazin	297-97-2	89	U 89	220	1
10726	o-Toluidine	95-53-4	270	U 270	890	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	45	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	45	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	45	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	89	U 89	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	670	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	8.2 J	6.7
12925	Ethylene glycol	107-21-1	6.7 U	6.7
12925	Propylene glycol	57-55-6	6.7 U	6.7
12925	Triethylene glycol	112-27-6	6.7 U	6.7

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	19.7	0.0445
06947	Beryllium	7440-41-7	0.540 J	0.0903
06949	Cadmium	7440-43-9	0.104 J	0.0445
06951	Chromium	7440-47-3	5.08	0.148
06952	Cobalt	7440-48-4	1.23 J	0.129
06953	Copper	7440-50-8	3.22	0.445

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-05 Sediment
SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	4,370	4.50	53.9	1
06958	Manganese	7439-96-5	71.1	0.112	1.35	1
06961	Nickel	7440-02-0	2.85	0.202	2.70	1
06966	Silver	7440-22-4	0.256 U	0.256	1.35	1
06969	Tin	7440-31-5	2.42 J	0.580	27.0	1
06971	Vanadium	7440-62-2	12.7	0.123	1.35	1
06972	Zinc	7440-66-6	14.4	0.350	5.39	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.114 U	0.114	0.539	2
06125	Arsenic	7440-38-2	0.441 J	0.115	1.08	2
06135	Lead	7439-92-1	3.49	0.0173	0.539	2
06141	Selenium	7782-49-2	0.135 U	0.135	1.08	2
06145	Thallium	7440-28-0	0.0914 J	0.0404	0.270	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0132 U	0.0132	0.265	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	4,080	228	683	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	98.2	0.50	0.50	1
07103	3.35 mm	n.a.	98.1	0.50	0.50	1
07103	2.36 mm	n.a.	97.9	0.50	0.50	1
07103	1.18 mm	n.a.	97.6	0.50	0.50	1
07103	0.6 mm	n.a.	96.4	0.50	0.50	1
07103	0.3 mm	n.a.	75.5	0.50	0.50	1
07103	0.15 mm	n.a.	39.2	0.50	0.50	1
07103	0.075 mm	n.a.	20.1	0.50	0.50	1
07103	0.064 mm	n.a.	16.0	0.50	0.50	1
07103	0.05 mm	n.a.	10.0	0.50	0.50	1
07103	0.02 mm	n.a.	5.0	0.50	0.50	1
07103	0.005 mm	n.a.	2.0	0.50	0.50	1
07103	0.002 mm	n.a.	1.0	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	25.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

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SED SW PW 2014

LL Sample # SW 7657439
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

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14S05

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143101AA	11/06/2014 05:51	Stephanie A Selis	0.8
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 15:05	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 15:05	Client Supplied	1
10445	High Level Bulk Prep DP 21	SW-846 5035A Modified	1	201430436040	10/31/2014 19:33	Mitchell R Washel	n.a.
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 05:10	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 03:18	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:36	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:34	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:34	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:34	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:34	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:34	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 09:43	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/02/2014 23:46	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	19	J	8	24	0.93
10237	Acetonitrile	75-05-8	30	U	30	120	0.93
10237	Acrolein	107-02-8	24	U	24	120	0.93
10237	Acrylonitrile	107-13-1	5	U	5	24	0.93
10237	Allyl Chloride	107-05-1	1	U	1	6	0.93
10237	Benzene	71-43-2	0.6	U	0.6	6	0.93
10237	Bromodichloromethane	75-27-4	1	U	1	6	0.93
10237	Bromoform	75-25-2	1	U	1	6	0.93
10237	Bromomethane	74-83-9	2	U	2	6	0.93
10237	2-Butanone	78-93-3	5	U	5	12	0.93
10237	Carbon Disulfide	75-15-0	1	U	1	6	0.93
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	0.93
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	0.93
10237	Chlorobenzene	108-90-7	1	U	1	6	0.93
10237	Chloroethane	75-00-3	2	U	2	6	0.93
10237	Chloroform	67-66-3	1	U	1	6	0.93
10237	Chloromethane	74-87-3	2	U	2	6	0.93
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6	0.93
10237	Dibromochloromethane	124-48-1	1	U	1	6	0.93
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	0.93
10237	Dibromomethane	74-95-3	1	U	1	6	0.93
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	60	0.93
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6	0.93
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	0.93
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	0.93
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	0.93
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	0.93
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	0.93
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	0.93
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	0.93
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	0.93
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	0.93
10237	Ethylbenzene	100-41-4	1	U	1	6	0.93
10237	2-Hexanone	591-78-6	4	U	4	12	0.93
10237	Isobutyl Alcohol	78-83-1	120	U	120	300	0.93
10237	Methacrylonitrile	126-98-7	6	U	6	60	0.93
10237	Methyl Iodide	74-88-4	4	U	4	6	0.93
10237	Methyl Methacrylate	80-62-6	1	U	1	6	0.93
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	12	0.93
10237	Methylene Chloride	75-09-2	2	U	2	6	0.93
10237	Pentachloroethane	76-01-7	1	U	1	6	0.93
10237	Propionitrile	107-12-0	36	U	36	120	0.93
10237	Styrene	100-42-5	1	U	1	6	0.93
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	0.93
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	6	0.93
10237	Tetrachloroethene	127-18-4	1	U	1	6	0.93
10237	Toluene	108-88-3	1	U	1	6	0.93
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	0.93
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	0.93
10237	Trichloroethene	79-01-6	1	U	1	6	0.93
10237	Trichlorofluoromethane	75-69-4	2	U	2	6	0.93

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.93
10237	Vinyl Acetate	108-05-4	2 U	2	12	0.93
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.93
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.93
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	22	1
10726	Acenaphthylene	208-96-8	4 U	4	22	1
10726	Acetophenone	98-86-2	22 U	22	43	1
10726	2-Acetylaminofluorene	53-96-3	86 U	86	220	1
10726	4-Aminobiphenyl	92-67-1	220 U	220	650	1
10726	Aniline	62-53-3	220 U	220	650	1
10726	Anthracene	120-12-7	4 U	4	22	1
10726	Benzo(a)anthracene	56-55-3	5 J	4	22	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	22	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	22	1
10726	Benzyl alcohol	100-51-6	220 U	220	650	1
10726	1,1'-Biphenyl	92-52-4	22 U	22	43	1
10726	4-Bromophenyl-phenylether	101-55-3	22 U	22	43	1
10726	Butylbenzylphthalate	85-68-7	86 U	86	220	1
10726	Di-n-butylphthalate	84-74-2	86 U	86	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22 U	22	43	1
10726	4-Chloroaniline	106-47-8	22 U	22	43	1
10726	Chlorobenzilate	510-15-6	43 U	43	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22 U	22	43	1
10726	bis(2-Chloroethyl)ether	111-44-4	22 U	22	43	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22 U	22	43	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	43	1
10726	2-Chlorophenol	95-57-8	22 U	22	43	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22 U	22	43	1
10726	Chrysene	218-01-9	4 U	4	22	1
10726	Diallate TRANS/CIS	2303-16-4	43 U	43	220	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	22	1
10726	Dibenzofuran	132-64-9	22 U	22	43	1
10726	1,2-Dichlorobenzene	95-50-1	22 U	22	43	1
10726	1,3-Dichlorobenzene	541-73-1	22 U	22	43	1
10726	1,4-Dichlorobenzene	106-46-7	22 U	22	43	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	430	1
10726	2,4-Dichlorophenol	120-83-2	22 U	22	43	1
10726	2,6-Dichlorophenol	87-65-0	22 U	22	43	1
10726	Diethylphthalate	84-66-2	86 U	86	220	1
10726	Dimethoate	60-51-5	220 U	220	650	1
10726	p-Dimethylaminoazobenzene	60-11-7	86 U	86	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22 U	22	43	1
10726	3,3'-Dimethylbenzidine	119-93-7	650 U	650	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	43	1
10726	Dimethylphthalate	131-11-3	86	U 86	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	650	1
10726	1,3-Dinitrobenzene	99-65-0	86	U 86	220	1
10726	2,4-Dinitrophenol	51-28-5	390	U 390	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	86	U 86	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	43	1
10726	1,4-Dioxane	123-91-1	130	U 130	430	1
10726	Diphenyl ether	101-84-8	22	U 22	43	1
10726	Ethyl methanesulfonate	62-50-0	86	U 86	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	86	U 86	220	1
10726	Fluoranthene	206-44-0	4	U 4	22	1
10726	Fluorene	86-73-7	4	U 4	22	1
10726	Hexachlorobenzene	118-74-1	4	U 4	22	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	43	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	650	1
10726	Hexachloroethane	67-72-1	43	U 43	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	430	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	22	1
10726	Isodrin	465-73-6	22	U 22	43	1
10726	Isophorone	78-59-1	22	U 22	43	1
10726	Isosafrole	120-58-1	86	U 86	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,500	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	43	U 43	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	43	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	22	1
10726	2-Methylphenol	95-48-7	22	U 22	43	1
10726	4-Methylphenol	106-44-5	22	U 22	43	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	22	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,300	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	220	U 220	650	1
10726	2-Naphthylamine	91-59-8	220	U 220	650	1
10726	2-Nitroaniline	88-74-4	22	U 22	43	1
10726	3-Nitroaniline	99-09-2	86	U 86	220	1
10726	4-Nitroaniline	100-01-6	86	U 86	220	1
10726	Nitrobenzene	98-95-3	22	U 22	43	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	650	1
10726	2-Nitrophenol	88-75-5	22	U 22	43	1
10726	4-Nitrophenol	100-02-7	220	U 220	650	1
10726	4-Nitroquinoline-1-oxide	56-57-5	430	U 430	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	43	1
10726	N-Nitrosodimethylamine	62-75-9	86	U 86	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	86	U 86	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	43	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	43	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	86	U 86	220	1
10726	N-Nitrosomorpholine	59-89-2	86	U 86	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	43	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	43	1
10726	Di-n-octylphthalate	117-84-0	86	U 86	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	43	1
10726	Pentachloronitrobenzene	82-68-8	86	U 86	220	1
10726	Pentachlorophenol	87-86-5	43	U 43	220	1
10726	Phenacetin	62-44-2	86	U 86	220	1
10726	Phenanthrene	85-01-8	4	U 4	22	1
10726	Phenol	108-95-2	22	U 22	43	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	43,000	1
10726	2-Picoline	109-06-8	130	U 130	430	1
10726	Pronamide	23950-58-5	43	U 43	220	1
10726	Pyrene	129-00-0	4	U 4	22	1
10726	Pyridine	110-86-1	86	U 86	220	1
10726	Safrole	94-59-7	86	U 86	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	43	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	86	U 86	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	86	U 86	220	1
10726	Thionazin	297-97-2	86	U 86	220	1
10726	o-Toluidine	95-53-4	260	U 260	860	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	43	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	43	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	43	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	86	U 86	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	650	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.5 U	6.5
12925	Ethylene glycol	107-21-1	6.5 U	6.5
12925	Propylene glycol	57-55-6	6.5 U	6.5
12925	Triethylene glycol	112-27-6	6.5 U	6.5

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	6.05	0.0422
06947	Beryllium	7440-41-7	0.168 J	0.0857
06949	Cadmium	7440-43-9	0.0422 U	0.0422
06951	Chromium	7440-47-3	1.40 J	0.141
06952	Cobalt	7440-48-4	0.585 J	0.123
06953	Copper	7440-50-8	0.738 J	0.422

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S06

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	1,950	4.27	51.2	1
06958	Manganese	7439-96-5	54.7	0.106	1.28	1
06961	Nickel	7440-02-0	0.701 J	0.192	2.56	1
06966	Silver	7440-22-4	0.243 U	0.243	1.28	1
06969	Tin	7440-31-5	2.09 J	0.550	25.6	1
06971	Vanadium	7440-62-2	4.11	0.116	1.28	1
06972	Zinc	7440-66-6	5.81	0.333	5.12	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.108 U	0.108	0.512	2
06125	Arsenic	7440-38-2	0.223 J	0.109	1.02	2
06135	Lead	7439-92-1	1.35	0.0164	0.512	2
06141	Selenium	7782-49-2	0.128 U	0.128	1.02	2
06145	Thallium	7440-28-0	0.0384 U	0.0384	0.256	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0127 U	0.0127	0.254	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	129 U	129	388	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	98.4	0.50	0.50	1
07103	3.35 mm	n.a.	95.3	0.50	0.50	1
07103	2.36 mm	n.a.	90.3	0.50	0.50	1
07103	1.18 mm	n.a.	76.7	0.50	0.50	1
07103	0.6 mm	n.a.	49.7	0.50	0.50	1
07103	0.3 mm	n.a.	11.2	0.50	0.50	1
07103	0.15 mm	n.a.	4.3	0.50	0.50	1
07103	0.075 mm	n.a.	3.4	0.50	0.50	1
07103	0.064 mm	n.a.	3.0	0.50	0.50	1
07103	0.05 mm	n.a.	2.0	0.50	0.50	1
07103	0.02 mm	n.a.	1.0	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	22.6	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-06 Sediment
SED SW PW 2014

LL Sample # SW 7657441
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S06

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143101AA	11/06/2014 06:14	Stephanie A Selis	0.93
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 15:25	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 15:25	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 15:25	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 06:20	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 03:33	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:40	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:37	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:37	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:37	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:37	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:37	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 09:55	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 00:48	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	16	J	7	20	0.79
10237	Acetonitrile	75-05-8	25	U	25	100	0.79
10237	Acrolein	107-02-8	20	U	20	100	0.79
10237	Acrylonitrile	107-13-1	4	U	4	20	0.79
10237	Allyl Chloride	107-05-1	1	U	1	5	0.79
10237	Benzene	71-43-2	0.5	U	0.5	5	0.79
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.79
10237	Bromoform	75-25-2	1	U	1	5	0.79
10237	Bromomethane	74-83-9	2	U	2	5	0.79
10237	2-Butanone	78-93-3	4	U	4	10	0.79
10237	Carbon Disulfide	75-15-0	1	U	1	5	0.79
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.79
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.79
10237	Chlorobenzene	108-90-7	1	U	1	5	0.79
10237	Chloroethane	75-00-3	2	U	2	5	0.79
10237	Chloroform	67-66-3	1	U	1	5	0.79
10237	Chloromethane	74-87-3	2	U	2	5	0.79
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.79
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.79
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.79
10237	Dibromomethane	74-95-3	1	U	1	5	0.79
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	50	0.79
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.79
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.79
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.79
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.79
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.79
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.79
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.79
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.79
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.79
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.79
10237	Ethylbenzene	100-41-4	1	U	1	5	0.79
10237	2-Hexanone	591-78-6	3	U	3	10	0.79
10237	Isobutyl Alcohol	78-83-1	100	U	100	250	0.79
10237	Methacrylonitrile	126-98-7	5	U	5	50	0.79
10237	Methyl Iodide	74-88-4	3	U	3	5	0.79
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.79
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	10	0.79
10237	Methylene Chloride	75-09-2	2	U	2	5	0.79
10237	Pentachloroethane	76-01-7	1	U	1	5	0.79
10237	Propionitrile	107-12-0	30	U	30	100	0.79
10237	Styrene	100-42-5	1	U	1	5	0.79
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.79
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	5	0.79
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.79
10237	Toluene	108-88-3	1	U	1	5	0.79
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.79
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.79
10237	Trichloroethene	79-01-6	1	U	1	5	0.79
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.79

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.79
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.79
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.79
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.79
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	22	1
10726	Acenaphthylene	208-96-8	4 U	4	22	1
10726	Acetophenone	98-86-2	21 U	21	42	1
10726	2-Acetylaminofluorene	53-96-3	85 U	85	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	630	1
10726	Aniline	62-53-3	210 U	210	630	1
10726	Anthracene	120-12-7	4 U	4	22	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	22	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	22	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	22	1
10726	Benzyl alcohol	100-51-6	210 U	210	630	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	42	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	42	1
10726	Butylbenzylphthalate	85-68-7	85 U	85	210	1
10726	Di-n-butylphthalate	84-74-2	85 U	85	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	42	1
10726	4-Chloroaniline	106-47-8	21 U	21	42	1
10726	Chlorobenzilate	510-15-6	42 U	42	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	42	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	42	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	42	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	42	1
10726	2-Chlorophenol	95-57-8	21 U	21	42	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	42	1
10726	Chrysene	218-01-9	4 U	4	22	1
10726	Diallate TRANS/CIS	2303-16-4	42 U	42	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	22	1
10726	Dibenzofuran	132-64-9	21 U	21	42	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	42	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	42	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	42	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	420	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	42	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	42	1
10726	Diethylphthalate	84-66-2	85 U	85	210	1
10726	Dimethoate	60-51-5	210 U	210	630	1
10726	p-Dimethylaminoazobenzene	60-11-7	85 U	85	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	42	1
10726	3,3'-Dimethylbenzidine	119-93-7	630 U	630	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	42	1
10726	Dimethylphthalate	131-11-3	85	U 85	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	630	1
10726	1,3-Dinitrobenzene	99-65-0	85	U 85	210	1
10726	2,4-Dinitrophenol	51-28-5	380	U 380	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	85	U 85	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	42	1
10726	1,4-Dioxane	123-91-1	130	U 130	420	1
10726	Diphenyl ether	101-84-8	21	U 21	42	1
10726	Ethyl methanesulfonate	62-50-0	85	U 85	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	85	U 85	220	1
10726	Fluoranthene	206-44-0	4	U 4	22	1
10726	Fluorene	86-73-7	4	U 4	22	1
10726	Hexachlorobenzene	118-74-1	4	U 4	22	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	42	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	630	1
10726	Hexachloroethane	67-72-1	42	U 42	210	1
10726	Hexachloropropene	1888-71-7	130	U 130	420	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	22	1
10726	Isodrin	465-73-6	21	U 21	42	1
10726	Isophorone	78-59-1	21	U 21	42	1
10726	Isosafrole	120-58-1	85	U 85	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,300	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	42	U 42	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	42	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	22	1
10726	2-Methylphenol	95-48-7	21	U 21	42	1
10726	4-Methylphenol	106-44-5	21	U 21	42	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	22	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,200	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	210	U 210	630	1
10726	2-Naphthylamine	91-59-8	210	U 210	630	1
10726	2-Nitroaniline	88-74-4	21	U 21	42	1
10726	3-Nitroaniline	99-09-2	85	U 85	210	1
10726	4-Nitroaniline	100-01-6	85	U 85	210	1
10726	Nitrobenzene	98-95-3	21	U 21	42	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	630	1
10726	2-Nitrophenol	88-75-5	21	U 21	42	1
10726	4-Nitrophenol	100-02-7	210	U 210	630	1
10726	4-Nitroquinoline-1-oxide	56-57-5	420	U 420	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	42	1
10726	N-Nitrosodimethylamine	62-75-9	85	U 85	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	85	U 85	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	42	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	42	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	85	U 85	210	1
10726	N-Nitrosomorpholine	59-89-2	85	U 85	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	42	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	42	1
10726	Di-n-octylphthalate	117-84-0	85	U 85	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	42	1
10726	Pentachloronitrobenzene	82-68-8	85	U 85	210	1
10726	Pentachlorophenol	87-86-5	42	U 42	220	1
10726	Phenacetin	62-44-2	85	U 85	210	1
10726	Phenanthrene	85-01-8	4	U 4	22	1
10726	Phenol	108-95-2	21	U 21	42	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	42,000	1
10726	2-Picoline	109-06-8	130	U 130	420	1
10726	Pronamide	23950-58-5	42	U 42	210	1
10726	Pyrene	129-00-0	4	U 4	22	1
10726	Pyridine	110-86-1	85	U 85	210	1
10726	Safrole	94-59-7	85	U 85	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	42	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	85	U 85	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	85	U 85	210	1
10726	Thionazin	297-97-2	85	U 85	210	1
10726	o-Toluidine	95-53-4	250	U 250	850	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	42	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	42	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	42	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	85	U 85	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	630	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.4 U	6.4
12925	Ethylene glycol	107-21-1	6.4 U	6.4
12925	Propylene glycol	57-55-6	6.4 U	6.4
12925	Triethylene glycol	112-27-6	6.4 U	6.4

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	5.70	0.0410
06947	Beryllium	7440-41-7	0.188 J	0.0833
06949	Cadmium	7440-43-9	0.0410 U	0.0410
06951	Chromium	7440-47-3	2.53 J	0.137
06952	Cobalt	7440-48-4	0.590 J	0.119
06953	Copper	7440-50-8	0.976 J	0.410

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	1,860	4.15	49.7	1
06958	Manganese	7439-96-5	73.6	0.103	1.24	1
06961	Nickel	7440-02-0	0.839 J	0.186	2.49	1
06966	Silver	7440-22-4	0.236 U	0.236	1.24	1
06969	Tin	7440-31-5	2.15 J	0.535	24.9	1
06971	Vanadium	7440-62-2	5.63	0.113	1.24	1
06972	Zinc	7440-66-6	5.51	0.323	4.97	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.105 U	0.105	0.497	2
06125	Arsenic	7440-38-2	0.355 J	0.106	0.994	2
06135	Lead	7439-92-1	2.10	0.0160	0.497	2
06141	Selenium	7782-49-2	0.124 U	0.124	0.994	2
06145	Thallium	7440-28-0	0.0373 U	0.0373	0.249	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0124 U	0.0124	0.248	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	128 U	128	384	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	100	0.50	0.50	1
07103	3.35 mm	n.a.	99.6	0.50	0.50	1
07103	2.36 mm	n.a.	98.6	0.50	0.50	1
07103	1.18 mm	n.a.	92.1	0.50	0.50	1
07103	0.6 mm	n.a.	62.0	0.50	0.50	1
07103	0.3 mm	n.a.	27.0	0.50	0.50	1
07103	0.15 mm	n.a.	8.6	0.50	0.50	1
07103	0.075 mm	n.a.	5.6	0.50	0.50	1
07103	0.064 mm	n.a.	5.0	0.50	0.50	1
07103	0.05 mm	n.a.	4.0	0.50	0.50	1
07103	0.02 mm	n.a.	2.0	0.50	0.50	1
07103	0.005 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	21.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
SED SW PW 2014

LL Sample # SW 7657443
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S07

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143101AA	11/06/2014 06:37	Stephanie A Selis	0.79
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 17:20	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 17:20	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 17:20	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 06:43	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 03:47	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:44	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:44	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:44	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:44	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:44	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:44	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 09:57	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 00:58	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	21	J	23	0.88
10237	Acetonitrile	75-05-8	29	U	120	0.88
10237	Acrolein	107-02-8	23	U	23	0.88
10237	Acrylonitrile	107-13-1	5	U	5	0.88
10237	Allyl Chloride	107-05-1	1	U	1	0.88
10237	Benzene	71-43-2	0.6	U	0.6	0.88
10237	Bromodichloromethane	75-27-4	1	U	1	0.88
10237	Bromoform	75-25-2	1	U	1	0.88
10237	Bromomethane	74-83-9	2	U	2	0.88
10237	2-Butanone	78-93-3	5	U	5	0.88
10237	Carbon Disulfide	75-15-0	2	J	1	0.88
10237	Carbon Tetrachloride	56-23-5	1	U	1	0.88
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	0.88
10237	Chlorobenzene	108-90-7	1	U	1	0.88
10237	Chloroethane	75-00-3	2	U	2	0.88
10237	Chloroform	67-66-3	1	U	1	0.88
10237	Chloromethane	74-87-3	2	U	2	0.88
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	0.88
10237	Dibromochloromethane	124-48-1	1	U	1	0.88
10237	1,2-Dibromoethane	106-93-4	1	U	1	0.88
10237	Dibromomethane	74-95-3	1	U	1	0.88
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	0.88
10237	Dichlorodifluoromethane	75-71-8	2	U	2	0.88
10237	1,1-Dichloroethane	75-34-3	1	U	1	0.88
10237	1,2-Dichloroethane	107-06-2	1	U	1	0.88
10237	1,1-Dichloroethene	75-35-4	1	U	1	0.88
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	0.88
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	0.88
10237	1,2-Dichloropropane	78-87-5	1	U	1	0.88
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	0.88
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	0.88
10237	Ethyl Methacrylate	97-63-2	1	U	1	0.88
10237	Ethylbenzene	100-41-4	1	U	1	0.88
10237	2-Hexanone	591-78-6	3	U	3	0.88
10237	Isobutyl Alcohol	78-83-1	120	U	120	0.88
10237	Methacrylonitrile	126-98-7	6	U	6	0.88
10237	Methyl Iodide	74-88-4	3	U	3	0.88
10237	Methyl Methacrylate	80-62-6	1	U	1	0.88
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	0.88
10237	Methylene Chloride	75-09-2	2	U	2	0.88
10237	Pentachloroethane	76-01-7	1	U	1	0.88
10237	Propionitrile	107-12-0	35	U	35	0.88
10237	Styrene	100-42-5	1	U	1	0.88
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	0.88
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	0.88
10237	Tetrachloroethene	127-18-4	1	U	1	0.88
10237	Toluene	108-88-3	1	U	1	0.88
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	0.88
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	0.88
10237	Trichloroethene	79-01-6	1	U	1	0.88
10237	Trichlorofluoromethane	75-69-4	2	U	2	0.88

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.88
10237	Vinyl Acetate	108-05-4	2 U	2	12	0.88
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.88
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.88
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	22	1
10726	Acenaphthylene	208-96-8	4 U	4	22	1
10726	Acetophenone	98-86-2	22 U	22	43	1
10726	2-Acetylaminofluorene	53-96-3	87 U	87	220	1
10726	4-Aminobiphenyl	92-67-1	220 U	220	650	1
10726	Aniline	62-53-3	220 U	220	650	1
10726	Anthracene	120-12-7	4 U	4	22	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	22	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	22	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	22	1
10726	Benzyl alcohol	100-51-6	220 U	220	650	1
10726	1,1'-Biphenyl	92-52-4	22 U	22	43	1
10726	4-Bromophenyl-phenylether	101-55-3	22 U	22	43	1
10726	Butylbenzylphthalate	85-68-7	87 U	87	220	1
10726	Di-n-butylphthalate	84-74-2	87 U	87	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22 U	22	43	1
10726	4-Chloroaniline	106-47-8	22 U	22	43	1
10726	Chlorobenzilate	510-15-6	43 U	43	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22 U	22	43	1
10726	bis(2-Chloroethyl)ether	111-44-4	22 U	22	43	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22 U	22	43	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	43	1
10726	2-Chlorophenol	95-57-8	22 U	22	43	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22 U	22	43	1
10726	Chrysene	218-01-9	4 U	4	22	1
10726	Diallate TRANS/CIS	2303-16-4	43 U	43	220	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	22	1
10726	Dibenzofuran	132-64-9	22 U	22	43	1
10726	1,2-Dichlorobenzene	95-50-1	22 U	22	43	1
10726	1,3-Dichlorobenzene	541-73-1	22 U	22	43	1
10726	1,4-Dichlorobenzene	106-46-7	22 U	22	43	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	430	1
10726	2,4-Dichlorophenol	120-83-2	22 U	22	43	1
10726	2,6-Dichlorophenol	87-65-0	22 U	22	43	1
10726	Diethylphthalate	84-66-2	87 U	87	220	1
10726	Dimethoate	60-51-5	220 U	220	650	1
10726	p-Dimethylaminoazobenzene	60-11-7	87 U	87	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22 U	22	43	1
10726	3,3'-Dimethylbenzidine	119-93-7	650 U	650	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	43	1
10726	Dimethylphthalate	131-11-3	87	U 87	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	650	1
10726	1,3-Dinitrobenzene	99-65-0	87	U 87	220	1
10726	2,4-Dinitrophenol	51-28-5	390	U 390	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	87	U 87	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	43	1
10726	1,4-Dioxane	123-91-1	130	U 130	430	1
10726	Diphenyl ether	101-84-8	22	U 22	43	1
10726	Ethyl methanesulfonate	62-50-0	87	U 87	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	87	U 87	220	1
10726	Fluoranthene	206-44-0	4	U 4	22	1
10726	Fluorene	86-73-7	4	U 4	22	1
10726	Hexachlorobenzene	118-74-1	4	U 4	22	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	43	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	650	1
10726	Hexachloroethane	67-72-1	43	U 43	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	430	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	22	1
10726	Isodrin	465-73-6	22	U 22	43	1
10726	Isophorone	78-59-1	22	U 22	43	1
10726	Isosafrole	120-58-1	87	U 87	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,500	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	43	U 43	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	43	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	22	1
10726	2-Methylphenol	95-48-7	22	U 22	43	1
10726	4-Methylphenol	106-44-5	22	U 22	43	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	22	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,300	1
	The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	220	U 220	650	1
10726	2-Naphthylamine	91-59-8	220	U 220	650	1
10726	2-Nitroaniline	88-74-4	22	U 22	43	1
10726	3-Nitroaniline	99-09-2	87	U 87	220	1
10726	4-Nitroaniline	100-01-6	87	U 87	220	1
10726	Nitrobenzene	98-95-3	22	U 22	43	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	650	1
10726	2-Nitrophenol	88-75-5	22	U 22	43	1
10726	4-Nitrophenol	100-02-7	220	U 220	650	1
10726	4-Nitroquinoline-1-oxide	56-57-5	430	U 430	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	43	1
10726	N-Nitrosodimethylamine	62-75-9	87	U 87	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	87	U 87	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	43	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	43	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	87	U 87	220	1
10726	N-Nitrosomorpholine	59-89-2	87	U 87	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	43	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	43	1
10726	Di-n-octylphthalate	117-84-0	87	U 87	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	43	1
10726	Pentachloronitrobenzene	82-68-8	87	U 87	220	1
10726	Pentachlorophenol	87-86-5	43	U 43	220	1
10726	Phenacetin	62-44-2	87	U 87	220	1
10726	Phenanthrene	85-01-8	4	U 4	22	1
10726	Phenol	108-95-2	22	U 22	43	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	43,000	1
10726	2-Picoline	109-06-8	130	U 130	430	1
10726	Pronamide	23950-58-5	43	U 43	220	1
10726	Pyrene	129-00-0	4	U 4	22	1
10726	Pyridine	110-86-1	87	U 87	220	1
10726	Safrole	94-59-7	87	U 87	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	43	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	87	U 87	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	87	U 87	220	1
10726	Thionazin	297-97-2	87	U 87	220	1
10726	o-Toluidine	95-53-4	260	U 260	870	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	43	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	43	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	43	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	87	U 87	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	650	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.6 U	6.6
12925	Ethylene glycol	107-21-1	6.6 U	6.6
12925	Propylene glycol	57-55-6	6.6 U	6.6
12925	Triethylene glycol	112-27-6	6.6 U	6.6

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	9.51	0.0425
06947	Beryllium	7440-41-7	0.455 J	0.0862
06949	Cadmium	7440-43-9	0.0888 J	0.0425
06951	Chromium	7440-47-3	2.19 J	0.142
06952	Cobalt	7440-48-4	1.19 J	0.124
06953	Copper	7440-50-8	1.67 J	0.425

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	5,690	4.30	51.5	1
06958	Manganese	7439-96-5	103	0.107	1.29	1
06961	Nickel	7440-02-0	1.66 J	0.193	2.57	1
06966	Silver	7440-22-4	0.244 U	0.244	1.29	1
06969	Tin	7440-31-5	3.27 J	0.553	25.7	1
06971	Vanadium	7440-62-2	11.3	0.117	1.29	1
06972	Zinc	7440-66-6	9.64	0.335	5.15	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.109 U	0.109	0.515	2
06125	Arsenic	7440-38-2	0.545 J	0.110	1.03	2
06135	Lead	7439-92-1	3.04	0.0165	0.515	2
06141	Selenium	7782-49-2	0.129 U	0.129	1.03	2
06145	Thallium	7440-28-0	0.0435 J	0.0386	0.257	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0130 U	0.0130	0.260	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	680	131	394	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	99.0	0.50	0.50	1
07103	3.35 mm	n.a.	97.4	0.50	0.50	1
07103	2.36 mm	n.a.	92.7	0.50	0.50	1
07103	1.18 mm	n.a.	66.2	0.50	0.50	1
07103	0.6 mm	n.a.	18.3	0.50	0.50	1
07103	0.3 mm	n.a.	4.7	0.50	0.50	1
07103	0.15 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.075 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.064 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.05 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.02 mm	n.a.	2.0	0.50	0.50	1
07103	0.005 mm	n.a.	2.0	0.50	0.50	1
07103	0.002 mm	n.a.	1.0	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
The grain size percent passing results are anomalous for particle sizes 0.15 mm, 0.075 mm, 0.064 mm, 0.05 mm, and 0.02 mm due to matrix interference.						
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	23.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
SED SW PW 2014

LL Sample # SW 7657445
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S27

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143102AA	11/06/2014 18:12	Chelsea B Stong	0.88
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 16:45	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 16:45	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 16:45	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 07:07	William H Saadeh	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 04:02	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 09:38	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:21	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:21	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:21	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:21	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:21	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 09:59	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 01:07	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	22	J	8	23
10237	Acetonitrile	75-05-8	29	U	29	120
10237	Acrolein	107-02-8	23	U	23	120
10237	Acrylonitrile	107-13-1	5	U	5	23
10237	Allyl Chloride	107-05-1	1	U	1	6
10237	Benzene	71-43-2	0.6	U	0.6	6
10237	Bromodichloromethane	75-27-4	1	U	1	6
10237	Bromoform	75-25-2	1	U	1	6
10237	Bromomethane	74-83-9	2	U	2	6
10237	2-Butanone	78-93-3	5	U	5	12
10237	Carbon Disulfide	75-15-0	2	J	1	6
10237	Carbon Tetrachloride	56-23-5	1	U	1	6
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6
10237	Chlorobenzene	108-90-7	1	U	1	6
10237	Chloroethane	75-00-3	2	U	2	6
10237	Chloroform	67-66-3	1	U	1	6
10237	Chloromethane	74-87-3	2	U	2	6
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6
10237	Dibromochloromethane	124-48-1	1	U	1	6
10237	1,2-Dibromoethane	106-93-4	1	U	1	6
10237	Dibromomethane	74-95-3	1	U	1	6
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	58
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6
10237	1,1-Dichloroethane	75-34-3	1	U	1	6
10237	1,2-Dichloroethane	107-06-2	1	U	1	6
10237	1,1-Dichloroethene	75-35-4	1	U	1	6
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6
10237	1,2-Dichloropropane	78-87-5	1	U	1	6
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6
10237	Ethyl Methacrylate	97-63-2	1	U	1	6
10237	Ethylbenzene	100-41-4	1	U	1	6
10237	2-Hexanone	591-78-6	3	U	3	12
10237	Isobutyl Alcohol	78-83-1	120	U	120	290
10237	Methacrylonitrile	126-98-7	6	U	6	58
10237	Methyl Iodide	74-88-4	3	U	3	6
10237	Methyl Methacrylate	80-62-6	1	U	1	6
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	12
10237	Methylene Chloride	75-09-2	2	U	2	6
10237	Pentachloroethane	76-01-7	1	U	1	6
10237	Propionitrile	107-12-0	35	U	35	120
10237	Styrene	100-42-5	1	U	1	6
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	6
10237	Tetrachloroethene	127-18-4	1	U	1	6
10237	Toluene	108-88-3	3	J	1	6
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6
10237	Trichloroethene	79-01-6	1	U	1	6
10237	Trichlorofluoromethane	75-69-4	2	U	2	6

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.92
10237	Vinyl Acetate	108-05-4	2 U	2	12	0.92
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.92
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.92
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	6 J	4	21	1
10726	Benzo(a)anthracene	56-55-3	17 J	4	21	1
10726	Benzo(a)pyrene	50-32-8	18 J	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	26 J	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	10 J	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	9 J	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	210	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	18 J	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	21 U	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	82 U	82	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	39	4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	9	J 4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	82	U 82	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Napthoquinone	130-15-4	1,000	U 1,000	4,100	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	210	1
10726	4-Nitroaniline	100-01-6	82	U 82	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	210	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	210	1
10726	Phenanthrene	85-01-8	28	4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	30	4	21	1
10726	Pyridine	110-86-1	82	U 82	210	1
10726	Safrole	94-59-7	82	U 82	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	210	1
10726	Thionazin	297-97-2	82	U 82	210	1
10726	o-Toluidine	95-53-4	250	U 250	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.2 U	6.2
12925	Ethylene glycol	107-21-1	6.2 U	6.2
12925	Propylene glycol	57-55-6	6.2 U	6.2
12925	Triethylene glycol	112-27-6	6.2 U	6.2

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	7.43	0.0403
06947	Beryllium	7440-41-7	0.132 J	0.0819
06949	Cadmium	7440-43-9	0.0403 U	0.0403
06951	Chromium	7440-47-3	2.29 J	0.134
06952	Cobalt	7440-48-4	0.512 J	0.117
06953	Copper	7440-50-8	1.20 J	0.403

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	3,130	4.08	48.9	1
06958	Manganese	7439-96-5	24.7	0.101	1.22	1
06961	Nickel	7440-02-0	0.944 J	0.183	2.44	1
06966	Silver	7440-22-4	0.232 U	0.232	1.22	1
06969	Tin	7440-31-5	2.08 J	0.526	24.4	1
06971	Vanadium	7440-62-2	5.79	0.111	1.22	1
06972	Zinc	7440-66-6	6.04	0.318	4.89	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.103 U	0.103	0.489	2
06125	Arsenic	7440-38-2	0.782 J	0.104	0.978	2
06135	Lead	7439-92-1	2.96	0.0157	0.489	2
06141	Selenium	7782-49-2	0.122 U	0.122	0.978	2
06145	Thallium	7440-28-0	0.0458 J	0.0367	0.244	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0119 U	0.0119	0.239	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	3,430	145	434	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	99.9	0.50	0.50	1
07103	3.35 mm	n.a.	99.8	0.50	0.50	1
07103	2.36 mm	n.a.	98.4	0.50	0.50	1
07103	1.18 mm	n.a.	91.0	0.50	0.50	1
07103	0.6 mm	n.a.	67.2	0.50	0.50	1
07103	0.3 mm	n.a.	38.4	0.50	0.50	1
07103	0.15 mm	n.a.	21.6	0.50	0.50	1
07103	0.075 mm	n.a.	14.6	0.50	0.50	1
07103	0.064 mm	n.a.	13.0	0.50	0.50	1
07103	0.05 mm	n.a.	9.0	0.50	0.50	1
07103	0.02 mm	n.a.	5.0	0.50	0.50	1
07103	0.005 mm	n.a.	2.0	0.50	0.50	1
07103	0.002 mm	n.a.	1.0	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	19.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-14 Sediment
SED SW PW 2014

LL Sample # SW 7657447
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S14

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143102AA	11/06/2014 18:35	Chelsea B Stong	0.92
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 09:35	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 09:35	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 09:35	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 09:53	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 04:17	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:48	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:46	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:46	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:46	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:46	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:46	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 10:05	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 01:15	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S31

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg		
10237	Acetone	67-64-1	15	J	7	21	0.83
10237	Acetonitrile	75-05-8	26	U	26	100	0.83
10237	Acrolein	107-02-8	21	U	21	100	0.83
10237	Acrylonitrile	107-13-1	4	U	4	21	0.83
10237	Allyl Chloride	107-05-1	1	U	1	5	0.83
10237	Benzene	71-43-2	0.5	U	0.5	5	0.83
10237	Bromodichloromethane	75-27-4	1	U	1	5	0.83
10237	Bromoform	75-25-2	1	U	1	5	0.83
10237	Bromomethane	74-83-9	2	U	2	5	0.83
10237	2-Butanone	78-93-3	4	U	4	10	0.83
10237	Carbon Disulfide	75-15-0	2	J	1	5	0.83
10237	Carbon Tetrachloride	56-23-5	1	U	1	5	0.83
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	0.83
10237	Chlorobenzene	108-90-7	1	U	1	5	0.83
10237	Chloroethane	75-00-3	2	U	2	5	0.83
10237	Chloroform	67-66-3	1	U	1	5	0.83
10237	Chloromethane	74-87-3	2	U	2	5	0.83
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	0.83
10237	Dibromochloromethane	124-48-1	1	U	1	5	0.83
10237	1,2-Dibromoethane	106-93-4	1	U	1	5	0.83
10237	Dibromomethane	74-95-3	1	U	1	5	0.83
10237	trans-1,4-Dichloro-2-butene	110-57-6	10	U	10	52	0.83
10237	Dichlorodifluoromethane	75-71-8	2	U	2	5	0.83
10237	1,1-Dichloroethane	75-34-3	1	U	1	5	0.83
10237	1,2-Dichloroethane	107-06-2	1	U	1	5	0.83
10237	1,1-Dichloroethene	75-35-4	1	U	1	5	0.83
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	5	0.83
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	5	0.83
10237	1,2-Dichloropropane	78-87-5	1	U	1	5	0.83
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	5	0.83
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	5	0.83
10237	Ethyl Methacrylate	97-63-2	1	U	1	5	0.83
10237	Ethylbenzene	100-41-4	1	U	1	5	0.83
10237	2-Hexanone	591-78-6	3	U	3	10	0.83
10237	Isobutyl Alcohol	78-83-1	100	U	100	260	0.83
10237	Methacrylonitrile	126-98-7	5	U	5	52	0.83
10237	Methyl Iodide	74-88-4	3	U	3	5	0.83
10237	Methyl Methacrylate	80-62-6	1	U	1	5	0.83
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	10	0.83
10237	Methylene Chloride	75-09-2	2	U	2	5	0.83
10237	Pentachloroethane	76-01-7	1	U	1	5	0.83
10237	Propionitrile	107-12-0	31	U	31	100	0.83
10237	Styrene	100-42-5	1	U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	5	0.83
10237	1,1,1,2-Tetrachloroethane	79-34-5	1	U	1	5	0.83
10237	Tetrachloroethene	127-18-4	1	U	1	5	0.83
10237	Toluene	108-88-3	1	J	1	5	0.83
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	5	0.83
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	5	0.83
10237	Trichloroethene	79-01-6	1	U	1	5	0.83
10237	Trichlorofluoromethane	75-69-4	2	U	2	5	0.83

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S31

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	5	0.83
10237	Vinyl Acetate	108-05-4	2 U	2	10	0.83
10237	Vinyl Chloride	75-01-4	1 U	1	5	0.83
10237	Xylene (Total)	1330-20-7	1 U	1	5	0.83
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	21	1
10726	Acenaphthylene	208-96-8	4 U	4	21	1
10726	Acetophenone	98-86-2	21 U	21	41	1
10726	2-Acetylaminofluorene	53-96-3	82 U	82	210	1
10726	4-Aminobiphenyl	92-67-1	210 U	210	620	1
10726	Aniline	62-53-3	210 U	210	620	1
10726	Anthracene	120-12-7	4 U	4	21	1
10726	Benzo(a)anthracene	56-55-3	4 U	4	21	1
10726	Benzo(a)pyrene	50-32-8	4 U	4	21	1
10726	Benzo(b)fluoranthene	205-99-2	4 U	4	21	1
10726	Benzo(g,h,i)perylene	191-24-2	4 U	4	21	1
10726	Benzo(k)fluoranthene	207-08-9	4 U	4	21	1
10726	Benzyl alcohol	100-51-6	210 U	210	620	1
10726	1,1'-Biphenyl	92-52-4	21 U	21	41	1
10726	4-Bromophenyl-phenylether	101-55-3	21 U	21	41	1
10726	Butylbenzylphthalate	85-68-7	82 U	82	210	1
10726	Di-n-butylphthalate	84-74-2	82 U	82	210	1
10726	4-Chloro-3-methylphenol	59-50-7	21 U	21	41	1
10726	4-Chloroaniline	106-47-8	21 U	21	41	1
10726	Chlorobenzilate	510-15-6	41 U	41	210	1
10726	bis(2-Chloroethoxy)methane	111-91-1	21 U	21	41	1
10726	bis(2-Chloroethyl)ether	111-44-4	21 U	21	41	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	21 U	21	41	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	41	1
10726	2-Chlorophenol	95-57-8	21 U	21	41	1
10726	4-Chlorophenyl-phenylether	7005-72-3	21 U	21	41	1
10726	Chrysene	218-01-9	4 U	4	21	1
10726	Diallate TRANS/CIS	2303-16-4	41 U	41	210	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	21	1
10726	Dibenzofuran	132-64-9	21 U	21	41	1
10726	1,2-Dichlorobenzene	95-50-1	21 U	21	41	1
10726	1,3-Dichlorobenzene	541-73-1	21 U	21	41	1
10726	1,4-Dichlorobenzene	106-46-7	21 U	21	41	1
10726	3,3'-Dichlorobenzidine	91-94-1	120 U	120	410	1
10726	2,4-Dichlorophenol	120-83-2	21 U	21	41	1
10726	2,6-Dichlorophenol	87-65-0	21 U	21	41	1
10726	Diethylphthalate	84-66-2	82 U	82	210	1
10726	Dimethoate	60-51-5	210 U	210	620	1
10726	p-Dimethylaminoazobenzene	60-11-7	82 U	82	210	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	21 U	21	41	1
10726	3,3'-Dimethylbenzidine	119-93-7	620 U	620	1,200	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S31

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	21	U 21	41	1
10726	Dimethylphthalate	131-11-3	82	U 82	210	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	210	U 210	620	1
10726	1,3-Dinitrobenzene	99-65-0	82	U 82	210	1
10726	2,4-Dinitrophenol	51-28-5	370	U 370	1,200	1
10726	2,4-Dinitrotoluene	121-14-2	82	U 82	210	1
10726	2,6-Dinitrotoluene	606-20-2	21	U 21	41	1
10726	1,4-Dioxane	123-91-1	120	U 120	410	1
10726	Diphenyl ether	101-84-8	21	U 21	41	1
10726	Ethyl methanesulfonate	62-50-0	82	U 82	210	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	82	U 82	210	1
10726	Fluoranthene	206-44-0	4	U 4	21	1
10726	Fluorene	86-73-7	4	U 4	21	1
10726	Hexachlorobenzene	118-74-1	4	U 4	21	1
10726	Hexachlorobutadiene	87-68-3	21	U 21	41	1
10726	Hexachlorocyclopentadiene	77-47-4	210	U 210	620	1
10726	Hexachloroethane	67-72-1	41	U 41	210	1
10726	Hexachloropropene	1888-71-7	120	U 120	410	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	4	U 4	21	1
10726	Isodrin	465-73-6	21	U 21	41	1
10726	Isophorone	78-59-1	21	U 21	41	1
10726	Isosafrole	120-58-1	82	U 82	210	1
10726	Methapyrilene	91-80-5	2,100	U 2,100	6,200	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	Methyl methanesulfonate	66-27-3	41	U 41	210	1
10726	3-Methylcholanthrene	56-49-5	21	U 21	41	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	21	1
10726	2-Methylphenol	95-48-7	21	U 21	41	1
10726	4-Methylphenol	106-44-5	21	U 21	41	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10726	Naphthalene	91-20-3	4	U 4	21	1
10726	1,4-Naphthoquinone	130-15-4	1,000	U 1,000	4,100	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.					
10726	1-Naphthylamine	134-32-7	210	U 210	620	1
10726	2-Naphthylamine	91-59-8	210	U 210	620	1
10726	2-Nitroaniline	88-74-4	21	U 21	41	1
10726	3-Nitroaniline	99-09-2	82	U 82	210	1
10726	4-Nitroaniline	100-01-6	82	U 82	210	1
10726	Nitrobenzene	98-95-3	21	U 21	41	1
10726	5-Nitro-o-toluidine	99-55-8	210	U 210	620	1
10726	2-Nitrophenol	88-75-5	21	U 21	41	1
10726	4-Nitrophenol	100-02-7	210	U 210	620	1
10726	4-Nitroquinoline-1-oxide	56-57-5	410	U 410	1,200	1
10726	N-Nitrosodiethylamine	55-18-5	21	U 21	41	1
10726	N-Nitrosodimethylamine	62-75-9	82	U 82	210	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S31

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	82	U 82	210	1
10726	N-Nitroso-di-n-propylamine	621-64-7	21	U 21	41	1
10726	N-Nitrosodiphenylamine	86-30-6	21	U 21	41	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	82	U 82	210	1
10726	N-Nitrosomorpholine	59-89-2	82	U 82	210	1
10726	N-Nitrosopiperidine	100-75-4	21	U 21	41	1
10726	N-Nitrosopyrrolidine	930-55-2	21	U 21	41	1
10726	Di-n-octylphthalate	117-84-0	82	U 82	210	1
10726	Pentachlorobenzene	608-93-5	21	U 21	41	1
10726	Pentachloronitrobenzene	82-68-8	82	U 82	210	1
10726	Pentachlorophenol	87-86-5	41	U 41	210	1
10726	Phenacetin	62-44-2	82	U 82	210	1
10726	Phenanthrene	85-01-8	4	U 4	21	1
10726	Phenol	108-95-2	21	U 21	41	1
10726	1,4-Phenylenediamine	106-50-3	14,000	U 14,000	41,000	1
10726	2-Picoline	109-06-8	120	U 120	410	1
10726	Pronamide	23950-58-5	41	U 41	210	1
10726	Pyrene	129-00-0	4	U 4	21	1
10726	Pyridine	110-86-1	82	U 82	210	1
10726	Safrole	94-59-7	82	U 82	210	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	21	U 21	41	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	82	U 82	210	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	82	U 82	210	1
10726	Thionazin	297-97-2	82	U 82	210	1
10726	o-Toluidine	95-53-4	250	U 250	820	1
10726	1,2,4-Trichlorobenzene	120-82-1	21	U 21	41	1
10726	2,4,5-Trichlorophenol	95-95-4	21	U 21	41	1
10726	2,4,6-Trichlorophenol	88-06-2	21	U 21	41	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	82	U 82	210	1
10726	1,3,5-Trinitrobenzene	99-35-4	210	U 210	620	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.3 U	6.3
12925	Ethylene glycol	107-21-1	6.3 U	6.3
12925	Propylene glycol	57-55-6	6.3 U	6.3
12925	Triethylene glycol	112-27-6	6.3 U	6.3

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	4.98	0.0408
06947	Beryllium	7440-41-7	0.0842 J	0.0829
06949	Cadmium	7440-43-9	0.0408 U	0.0408
06951	Chromium	7440-47-3	3.11 J	0.136
06952	Cobalt	7440-48-4	0.374 J	0.119
06953	Copper	7440-50-8	0.993 J	0.408

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S31

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	3,340	4.13	49.5	1
06958	Manganese	7439-96-5	21.0	0.103	1.24	1
06961	Nickel	7440-02-0	0.635 J	0.186	2.48	1
06966	Silver	7440-22-4	0.235 U	0.235	1.24	1
06969	Tin	7440-31-5	3.29 J	0.532	24.8	1
06971	Vanadium	7440-62-2	6.44	0.113	1.24	1
06972	Zinc	7440-66-6	4.57 J	0.322	4.95	1
SW-846 6020A						
			mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.104 U	0.104	0.495	2
06125	Arsenic	7440-38-2	0.500 J	0.106	0.990	2
06135	Lead	7439-92-1	2.29	0.0159	0.495	2
06141	Selenium	7782-49-2	0.124 U	0.124	0.990	2
06145	Thallium	7440-28-0	0.0371 U	0.0371	0.248	2
SW-846 7471B						
			mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0118 U	0.0118	0.235	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	125 U	125	375	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	100	0.50	0.50	1
07103	4.75 mm	n.a.	99.5	0.50	0.50	1
07103	3.35 mm	n.a.	98.9	0.50	0.50	1
07103	2.36 mm	n.a.	97.9	0.50	0.50	1
07103	1.18 mm	n.a.	94.0	0.50	0.50	1
07103	0.6 mm	n.a.	78.2	0.50	0.50	1
07103	0.3 mm	n.a.	48.2	0.50	0.50	1
07103	0.15 mm	n.a.	18.6	0.50	0.50	1
07103	0.075 mm	n.a.	6.0	0.50	0.50	1
07103	0.064 mm	n.a.	4.0	0.50	0.50	1
07103	0.05 mm	n.a.	3.0	0.50	0.50	1
07103	0.02 mm	n.a.	2.0	0.50	0.50	1
07103	0.005 mm	n.a.	1.0	0.50	0.50	1
07103	0.002 mm	n.a.	0.50 U	0.50	0.50	1
07103	0.001 mm	n.a.	0.50 U	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
SED SW PW 2014

LL Sample # SW 7657449
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

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URS Corporation
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4051 Ogletown Road, Suite 300
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Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S31

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143102AA	11/06/2014 18:59	Chelsea B Stong	0.83
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 09:55	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 09:55	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 09:55	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 10:15	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 04:32	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:52	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:48	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:48	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:48	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:48	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:48	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 10:07	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 01:25	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S32

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	24	8	23	0.87
10237	Acetonitrile	75-05-8	29	U	120	0.87
10237	Acrolein	107-02-8	23	U	120	0.87
10237	Acrylonitrile	107-13-1	5	U	23	0.87
10237	Allyl Chloride	107-05-1	1	U	6	0.87
10237	Benzene	71-43-2	0.6	U	6	0.87
10237	Bromodichloromethane	75-27-4	1	U	6	0.87
10237	Bromoform	75-25-2	1	U	6	0.87
10237	Bromomethane	74-83-9	2	U	6	0.87
10237	2-Butanone	78-93-3	5	U	12	0.87
10237	Carbon Disulfide	75-15-0	3	J	6	0.87
10237	Carbon Tetrachloride	56-23-5	1	U	6	0.87
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	6	0.87
10237	Chlorobenzene	108-90-7	1	U	6	0.87
10237	Chloroethane	75-00-3	2	U	6	0.87
10237	Chloroform	67-66-3	1	U	6	0.87
10237	Chloromethane	74-87-3	2	U	6	0.87
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	6	0.87
10237	Dibromochloromethane	124-48-1	1	U	6	0.87
10237	1,2-Dibromoethane	106-93-4	1	U	6	0.87
10237	Dibromomethane	74-95-3	1	U	6	0.87
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	58	0.87
10237	Dichlorodifluoromethane	75-71-8	2	U	6	0.87
10237	1,1-Dichloroethane	75-34-3	1	U	6	0.87
10237	1,2-Dichloroethane	107-06-2	1	U	6	0.87
10237	1,1-Dichloroethene	75-35-4	1	U	6	0.87
10237	cis-1,2-Dichloroethene	156-59-2	1	U	6	0.87
10237	trans-1,2-Dichloroethene	156-60-5	1	U	6	0.87
10237	1,2-Dichloropropane	78-87-5	1	U	6	0.87
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	6	0.87
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	6	0.87
10237	Ethyl Methacrylate	97-63-2	1	U	6	0.87
10237	Ethylbenzene	100-41-4	1	U	6	0.87
10237	2-Hexanone	591-78-6	3	U	12	0.87
10237	Isobutyl Alcohol	78-83-1	120	U	290	0.87
10237	Methacrylonitrile	126-98-7	6	U	58	0.87
10237	Methyl Iodide	74-88-4	3	U	6	0.87
10237	Methyl Methacrylate	80-62-6	1	U	6	0.87
10237	4-Methyl-2-pentanone	108-10-1	3	U	12	0.87
10237	Methylene Chloride	75-09-2	2	U	6	0.87
10237	Pentachloroethane	76-01-7	1	U	6	0.87
10237	Propionitrile	107-12-0	35	U	120	0.87
10237	Styrene	100-42-5	1	U	6	0.87
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	6	0.87
10237	1,1,1,2,2-Tetrachloroethane	79-34-5	1	U	6	0.87
10237	Tetrachloroethene	127-18-4	1	U	6	0.87
10237	Toluene	108-88-3	1	U	6	0.87
10237	1,1,1-Trichloroethane	71-55-6	1	U	6	0.87
10237	1,1,2-Trichloroethane	79-00-5	1	U	6	0.87
10237	Trichloroethene	79-01-6	1	U	6	0.87
10237	Trichlorofluoromethane	75-69-4	2	U	6	0.87

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S32

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/kg	ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	1 U	1	6	0.87
10237	Vinyl Acetate	108-05-4	2 U	2	12	0.87
10237	Vinyl Chloride	75-01-4	1 U	1	6	0.87
10237	Xylene (Total)	1330-20-7	1 U	1	6	0.87
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	Acenaphthene	83-32-9	4 U	4	22	1
10726	Acenaphthylene	208-96-8	4 U	4	22	1
10726	Acetophenone	98-86-2	22 U	22	44	1
10726	2-Acetylaminofluorene	53-96-3	87 U	87	220	1
10726	4-Aminobiphenyl	92-67-1	220 U	220	650	1
10726	Aniline	62-53-3	220 U	220	650	1
10726	Anthracene	120-12-7	4 U	4	22	1
10726	Benzo(a)anthracene	56-55-3	6 J	4	22	1
10726	Benzo(a)pyrene	50-32-8	6 J	4	22	1
10726	Benzo(b)fluoranthene	205-99-2	7 J	4	22	1
10726	Benzo(g,h,i)perylene	191-24-2	5 J	4	22	1
10726	Benzo(k)fluoranthene	207-08-9	6 J	4	22	1
10726	Benzyl alcohol	100-51-6	220 U	220	650	1
10726	1,1'-Biphenyl	92-52-4	22 U	22	44	1
10726	4-Bromophenyl-phenylether	101-55-3	22 U	22	44	1
10726	Butylbenzylphthalate	85-68-7	87 U	87	220	1
10726	Di-n-butylphthalate	84-74-2	87 U	87	220	1
10726	4-Chloro-3-methylphenol	59-50-7	22 U	22	44	1
10726	4-Chloroaniline	106-47-8	22 U	22	44	1
10726	Chlorobenzilate	510-15-6	44 U	44	220	1
10726	bis(2-Chloroethoxy)methane	111-91-1	22 U	22	44	1
10726	bis(2-Chloroethyl)ether	111-44-4	22 U	22	44	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	22 U	22	44	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10726	2-Chloronaphthalene	91-58-7	9 U	9	43	1
10726	2-Chlorophenol	95-57-8	22 U	22	44	1
10726	4-Chlorophenyl-phenylether	7005-72-3	22 U	22	44	1
10726	Chrysene	218-01-9	7 J	4	22	1
10726	Diallate TRANS/CIS	2303-16-4	44 U	44	220	1
10726	Dibenz(a,h)anthracene	53-70-3	4 U	4	22	1
10726	Dibenzofuran	132-64-9	22 U	22	44	1
10726	1,2-Dichlorobenzene	95-50-1	22 U	22	44	1
10726	1,3-Dichlorobenzene	541-73-1	22 U	22	44	1
10726	1,4-Dichlorobenzene	106-46-7	22 U	22	44	1
10726	3,3'-Dichlorobenzidine	91-94-1	130 U	130	440	1
10726	2,4-Dichlorophenol	120-83-2	22 U	22	44	1
10726	2,6-Dichlorophenol	87-65-0	22 U	22	44	1
10726	Diethylphthalate	84-66-2	87 U	87	220	1
10726	Dimethoate	60-51-5	220 U	220	650	1
10726	p-Dimethylaminoazobenzene	60-11-7	87 U	87	220	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	22 U	22	44	1
10726	3,3'-Dimethylbenzidine	119-93-7	650 U	650	1,300	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S32

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	2,4-Dimethylphenol	105-67-9	22	U 22	44	1
10726	Dimethylphthalate	131-11-3	87	U 87	220	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	220	U 220	650	1
10726	1,3-Dinitrobenzene	99-65-0	87	U 87	220	1
10726	2,4-Dinitrophenol	51-28-5	390	U 390	1,300	1
10726	2,4-Dinitrotoluene	121-14-2	87	U 87	220	1
10726	2,6-Dinitrotoluene	606-20-2	22	U 22	44	1
10726	1,4-Dioxane	123-91-1	130	U 130	440	1
10726	Diphenyl ether	101-84-8	22	U 22	44	1
10726	Ethyl methanesulfonate	62-50-0	87	U 87	220	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	87	U 87	220	1
10726	Fluoranthene	206-44-0	17	J 4	22	1
10726	Fluorene	86-73-7	4	U 4	22	1
10726	Hexachlorobenzene	118-74-1	4	U 4	22	1
10726	Hexachlorobutadiene	87-68-3	22	U 22	44	1
10726	Hexachlorocyclopentadiene	77-47-4	220	U 220	650	1
10726	Hexachloroethane	67-72-1	44	U 44	220	1
10726	Hexachloropropene	1888-71-7	130	U 130	440	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	5	J 4	22	1
10726	Isodrin	465-73-6	22	U 22	44	1
10726	Isophorone	78-59-1	22	U 22	44	1
10726	Isosafrole	120-58-1	87	U 87	220	1
10726	Methapyrilene	91-80-5	2,200	U 2,200	6,500	1
The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	44	U 44	220	1
10726	3-Methylcholanthrene	56-49-5	22	U 22	44	1
10726	2-Methylnaphthalene	91-57-6	4	U 4	22	1
10726	2-Methylphenol	95-48-7	22	U 22	44	1
10726	4-Methylphenol	106-44-5	22	U 22	44	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	4	U 4	22	1
10726	1,4-Napthoquinone	130-15-4	1,100	U 1,100	4,400	1
The QC window for 1,4-napthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	220	U 220	650	1
10726	2-Naphthylamine	91-59-8	220	U 220	650	1
10726	2-Nitroaniline	88-74-4	22	U 22	44	1
10726	3-Nitroaniline	99-09-2	87	U 87	220	1
10726	4-Nitroaniline	100-01-6	87	U 87	220	1
10726	Nitrobenzene	98-95-3	22	U 22	44	1
10726	5-Nitro-o-toluidine	99-55-8	220	U 220	650	1
10726	2-Nitrophenol	88-75-5	22	U 22	44	1
10726	4-Nitrophenol	100-02-7	220	U 220	650	1
10726	4-Nitroquinoline-1-oxide	56-57-5	440	U 440	1,300	1
10726	N-Nitrosodiethylamine	55-18-5	22	U 22	44	1
10726	N-Nitrosodimethylamine	62-75-9	87	U 87	220	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14S32

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/kg	ug/kg	ug/kg	
10726	N-Nitrosodi-n-butylamine	924-16-3	87	U 87	220	1
10726	N-Nitroso-di-n-propylamine	621-64-7	22	U 22	44	1
10726	N-Nitrosodiphenylamine	86-30-6	22	U 22	44	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10726	N-Nitrosomethylethylamine	10595-95-6	87	U 87	220	1
10726	N-Nitrosomorpholine	59-89-2	87	U 87	220	1
10726	N-Nitrosopiperidine	100-75-4	22	U 22	44	1
10726	N-Nitrosopyrrolidine	930-55-2	22	U 22	44	1
10726	Di-n-octylphthalate	117-84-0	87	U 87	220	1
10726	Pentachlorobenzene	608-93-5	22	U 22	44	1
10726	Pentachloronitrobenzene	82-68-8	87	U 87	220	1
10726	Pentachlorophenol	87-86-5	44	U 44	220	1
10726	Phenacetin	62-44-2	87	U 87	220	1
10726	Phenanthrene	85-01-8	14	J 4	22	1
10726	Phenol	108-95-2	22	U 22	44	1
10726	1,4-Phenylenediamine	106-50-3	15,000	U 15,000	44,000	1
10726	2-Picoline	109-06-8	130	U 130	440	1
10726	Pronamide	23950-58-5	44	U 44	220	1
10726	Pyrene	129-00-0	14	J 4	22	1
10726	Pyridine	110-86-1	87	U 87	220	1
10726	Safrole	94-59-7	87	U 87	220	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	22	U 22	44	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	87	U 87	220	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	87	U 87	220	1
10726	Thionazin	297-97-2	87	U 87	220	1
10726	o-Toluidine	95-53-4	260	U 260	870	1
10726	1,2,4-Trichlorobenzene	120-82-1	22	U 22	44	1
10726	2,4,5-Trichlorophenol	95-95-4	22	U 22	44	1
10726	2,4,6-Trichlorophenol	88-06-2	22	U 22	44	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	87	U 87	220	1
10726	1,3,5-Trinitrobenzene	99-35-4	220	U 220	650	1

GC Miscellaneous	SW-846 8015C Feb 2007	mg/kg	mg/kg	mg/kg
	Rev 3			
12925	Diethylene glycol	111-46-6	6.6 U	6.6
12925	Ethylene glycol	107-21-1	6.6 U	6.6
12925	Propylene glycol	57-55-6	6.6 U	6.6
12925	Triethylene glycol	112-27-6	6.6 U	6.6

The surrogate data is outside the QC limits due to unresolvable matrix problems evident during the sample preparation.

Metals	SW-846 6010C	mg/kg	mg/kg	mg/kg
06946	Barium	7440-39-3	12.7	0.0429
06947	Beryllium	7440-41-7	0.374 J	0.0870
06949	Cadmium	7440-43-9	0.121 J	0.0429
06951	Chromium	7440-47-3	7.09	0.143
06952	Cobalt	7440-48-4	1.11 J	0.125
06953	Copper	7440-50-8	3.72	0.429

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S32

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/kg	mg/kg	mg/kg	
01654	Iron	7439-89-6	11,600	4.34	51.9	1
06958	Manganese	7439-96-5	58.3	0.108	1.30	1
06961	Nickel	7440-02-0	2.39 J	0.195	2.60	1
06966	Silver	7440-22-4	0.247 U	0.247	1.30	1
06969	Tin	7440-31-5	2.79 J	0.558	26.0	1
06971	Vanadium	7440-62-2	20.4	0.118	1.30	1
06972	Zinc	7440-66-6	13.5	0.338	5.19	1
		SW-846 6020A	mg/kg	mg/kg	mg/kg	
06124	Antimony	7440-36-0	0.110 U	0.110	0.519	2
06125	Arsenic	7440-38-2	3.05	0.111	1.04	2
06135	Lead	7439-92-1	9.28	0.0167	0.519	2
06141	Selenium	7782-49-2	0.130 J	0.130	1.04	2
06145	Thallium	7440-28-0	0.0861 J	0.0390	0.260	2
		SW-846 7471B	mg/kg	mg/kg	mg/kg	
00159	Mercury	7439-97-6	0.0125 U	0.0125	0.251	1
Wet Chemistry						
		SW-846 9060A modified	mg/kg	mg/kg	mg/kg	
02079	Total Organic Carbon (TOC)	n.a.	1,500	132	397	1
Wet Chemistry						
		ASTM D422	% Passing	% Passing	% Passing	
07103	75 mm	n.a.	100	0.50	0.50	1
07103	37.5 mm	n.a.	100	0.50	0.50	1
07103	19 mm	n.a.	96.7	0.50	0.50	1
07103	4.75 mm	n.a.	87.5	0.50	0.50	1
07103	3.35 mm	n.a.	83.7	0.50	0.50	1
07103	2.36 mm	n.a.	79.6	0.50	0.50	1
07103	1.18 mm	n.a.	70.0	0.50	0.50	1
07103	0.6 mm	n.a.	53.4	0.50	0.50	1
07103	0.3 mm	n.a.	36.3	0.50	0.50	1
07103	0.15 mm	n.a.	22.0	0.50	0.50	1
07103	0.075 mm	n.a.	14.8	0.50	0.50	1
07103	0.064 mm	n.a.	14.0	0.50	0.50	1
07103	0.05 mm	n.a.	13.0	0.50	0.50	1
07103	0.02 mm	n.a.	10.0	0.50	0.50	1
07103	0.005 mm	n.a.	8.0	0.50	0.50	1
07103	0.002 mm	n.a.	6.0	0.50	0.50	1
07103	0.001 mm	n.a.	3.0	0.50	0.50	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	24.5	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
SED SW PW 2014

LL Sample # SW 7657451
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14S32

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	X143102AA	11/06/2014 19:22	Chelsea B Stong	0.87
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201430436035	10/29/2014 10:15	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201430436035	10/29/2014 10:15	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201430436035	10/29/2014 10:15	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14309SLJ026	11/11/2014 10:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14309SLJ026	11/06/2014 10:00	Jessica M Velez	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/08/2014 04:47	Tracy A Cole	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143110044A	11/07/2014 20:25	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
01654	Iron	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06958	Manganese	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143080637003	11/05/2014 10:56	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143080637003A	11/06/2014 16:51	Maria A Orrs	2
06125	Arsenic	SW-846 6020A	1	143080637003A	11/06/2014 16:51	Maria A Orrs	2
06135	Lead	SW-846 6020A	1	143080637003A	11/06/2014 16:51	Maria A Orrs	2
06141	Selenium	SW-846 6020A	1	143080637003B	11/06/2014 16:51	Maria A Orrs	2
06145	Thallium	SW-846 6020A	1	143080637003A	11/06/2014 16:51	Maria A Orrs	2
00159	Mercury	SW-846 7471B	1	143080638003	11/05/2014 10:09	Damary Valentin	1
10637	SW SW846 (IV) ICP/ICPMS Digest	SW-846 3050B	1	143080637003	11/04/2014 20:22	Annamaria Kuhns	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143080638003	11/05/2014 01:15	Annamaria Kuhns	1
02079	Total Organic Carbon (TOC)	SW-846 9060A modified	1	14306049531A	11/03/2014 02:06	James S Mathiot	1
07103	Grain Size to 1 um	ASTM D422	1	14304710301A	10/31/2014 18:45	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	14310820009A	11/06/2014 18:17	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657453
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14TB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	1
10335	Acetonitrile	75-05-8	25	U	25	1
10335	Acrolein	107-02-8	40	U	40	1
10335	Acrylonitrile	107-13-1	4	U	4	1
10335	Allyl Chloride	107-05-1	1	U	1	1
10335	Benzene	71-43-2	0.5	U	0.5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1
10335	Bromoform	75-25-2	0.5	U	0.5	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1
10335	2-Butanone	78-93-3	3	U	3	1
10335	Carbon Disulfide	75-15-0	1	U	1	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1
10335	Chloroform	67-66-3	0.5	U	0.5	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	1
10335	Dichlorodifluoromethane	75-71-8	1	U	1	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1
10335	2-Hexanone	591-78-6	3	U	3	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	1
10335	Methacrylonitrile	126-98-7	10	U	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1
10335	Methyl Methacrylate	80-62-6	1	U	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	1
10335	Methylene Chloride	75-09-2	2	U	2	1
10335	Pentachloroethane	76-01-7	1	U	1	1
10335	Propionitrile	107-12-0	30	U	30	1
10335	Styrene	100-42-5	1	U	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1
10335	Toluene	108-88-3	0.5	U	0.5	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657453
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14TB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143091AA	11/05/2014 15:48	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143091AA	11/05/2014 15:48	Chelsea B Stong	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-3 Blank Water
SED SW PW 2014

LL Sample # WW 7657454
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15
Reported: 11/12/2014 16:32

14TB3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	Dichlorodifluoromethane	75-71-8	1	U	1	4	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethyl Methacrylate	97-63-2	1	U	1	5	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-3 Blank Water
SED SW PW 2014

LL Sample # WW 7657454
LL Group # 1515131
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:15

Reported: 11/12/2014 16:32

14TB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	1,2,3-Trichloropropane	96-18-4	1 U	1	5	1	
10335	Vinyl Acetate	108-05-4	2 U	2	10	1	
10335	Vinyl Chloride	75-01-4	0.5 U	0.5	1	1	
10335	Xylene (Total)	1330-20-7	0.5 U	0.5	1	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Appendix IX Volatiles	SW-846 8260B	1	Y143091AA	11/05/2014 16:09	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143091AA	11/05/2014 16:09	Chelsea B Stong	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: X143101AA									
Sample number(s): 7657439,7657441,7657443									
Acetone	7	U	7.	20	ug/kg	98	53-141		
Acetonitrile	25	U	25.	100	ug/kg	99	61-147		
Acrolein	20	U	20.	100	ug/kg	129*	58-122		
Acrylonitrile	4	U	4.	20	ug/kg	91	58-123		
Allyl Chloride	1	U	1.	5	ug/kg	96	61-132		
Benzene	0.5	U	0.5	5	ug/kg	97	80-120		
Bromodichloromethane	1	U	1.	5	ug/kg	90	75-120		
Bromoform	1	U	1.	5	ug/kg	86	70-126		
Bromomethane	2	U	2.	5	ug/kg	92	32-162		
2-Butanone	4	U	4.	10	ug/kg	96	62-123		
Carbon Disulfide	1	U	1.	5	ug/kg	96	63-128		
Carbon Tetrachloride	1	U	1.	5	ug/kg	94	69-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/kg	89	73-120		
Chlorobenzene	1	U	1.	5	ug/kg	93	80-120		
Chloroethane	2	U	2.	5	ug/kg	96	17-171		
Chloroform	1	U	1.	5	ug/kg	97	80-125		
Chloromethane	2	U	2.	5	ug/kg	97	56-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/kg	97	59-122		
Dibromochloromethane	1	U	1.	5	ug/kg	87	77-120		
1,2-Dibromoethane	1	U	1.	5	ug/kg	93	80-120		
Dibromomethane	1	U	1.	5	ug/kg	92	80-120		
trans-1,4-Dichloro-2-butene	10	U	10.	50	ug/kg	112	70-128		
Dichlorodifluoromethane	2	U	2.	5	ug/kg	71	26-137		
1,1-Dichloroethane	1	U	1.	5	ug/kg	96	80-122		
1,2-Dichloroethane	1	U	1.	5	ug/kg	97	77-130		
1,1-Dichloroethene	1	U	1.	5	ug/kg	97	73-129		
cis-1,2-Dichloroethene	1	U	1.	5	ug/kg	92	80-120		
trans-1,2-Dichloroethene	1	U	1.	5	ug/kg	97	80-129		
1,2-Dichloropropane	1	U	1.	5	ug/kg	95	80-120		
cis-1,3-Dichloropropene	1	U	1.	5	ug/kg	84	74-120		
trans-1,3-Dichloropropene	1	U	1.	5	ug/kg	92	76-120		
Ethyl Methacrylate	1	U	1.	5	ug/kg	84	65-120		
Ethylbenzene	1	U	1.	5	ug/kg	93	80-120		
2-Hexanone	3	U	3.	10	ug/kg	102	51-120		
Isobutyl Alcohol	100	U	100.	250	ug/kg	106	64-121		
Methacrylonitrile	5	U	5.	50	ug/kg	96	73-127		
Methyl Iodide	3	U	3.	5	ug/kg	88	72-130		
Methyl Methacrylate	1	U	1.	5	ug/kg	84	60-120		
4-Methyl-2-pentanone	3	U	3.	10	ug/kg	98	57-123		
Methylene Chloride	2	U	2.	5	ug/kg	95	80-124		
Pentachloroethane	1	U	1.	5	ug/kg	88	71-120		
Propionitrile	30	U	30.	100	ug/kg	107	63-131		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1 U	1.	5	ug/kg	87		76-120		
1,1,1,2-Tetrachloroethane	1 U	1.	5	ug/kg	88		80-120		
1,1,2,2-Tetrachloroethane	1 U	1.	5	ug/kg	99		71-123		
Tetrachloroethene	1 U	1.	5	ug/kg	90		78-120		
Toluene	1 U	1.	5	ug/kg	95		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	88		63-135		
1,1,2-Trichloroethane	1 U	1.	5	ug/kg	92		80-120		
Trichloroethene	1 U	1.	5	ug/kg	95		80-125		
Trichlorofluoromethane	2 U	2.	5	ug/kg	86		58-133		
1,2,3-Trichloropropane	1 U	1.	5	ug/kg	100		71-123		
Vinyl Acetate	2 U	2.	10	ug/kg	113		40-127		
Vinyl Chloride	1 U	1.	5	ug/kg	93		59-120		
Xylene (Total)	1 U	1.	5	ug/kg	88		80-120		

Batch number: X143102AA	Sample number (s): 7657445,7657447,7657449,7657451								
Acetone	7 U	7.	20	ug/kg	92	93	53-141	0	30
Acetonitrile	25 U	25.	100	ug/kg	93	96	61-147	3	30
Acrolein	20 U	20.	100	ug/kg	116	114	58-122	2	30
Acrylonitrile	4 U	4.	20	ug/kg	90	90	58-123	0	30
Allyl Chloride	1 U	1.	5	ug/kg	102	101	61-132	1	30
Benzene	0.5 U	0.5	5	ug/kg	101	98	80-120	3	30
Bromodichloromethane	1 U	1.	5	ug/kg	92	92	75-120	1	30
Bromoform	1 U	1.	5	ug/kg	87	84	70-126	4	30
Bromomethane	2 U	2.	5	ug/kg	92	87	32-162	5	30
2-Butanone	4 U	4.	10	ug/kg	94	92	62-123	2	30
Carbon Disulfide	1 J	1.	5	ug/kg	110	106	63-128	4	30
Carbon Tetrachloride	1 U	1.	5	ug/kg	99	93	69-130	6	30
2-Chloro-1,3-butadiene	1 U	1.	5	ug/kg	96	93	73-120	3	30
Chlorobenzene	1 U	1.	5	ug/kg	96	93	80-120	3	30
Chloroethane	2 U	2.	5	ug/kg	101	97	17-171	3	30
Chloroform	1 U	1.	5	ug/kg	101	98	80-125	3	30
Chloromethane	2 U	2.	5	ug/kg	101	98	56-120	4	30
1,2-Dibromo-3-chloropropane	2 U	2.	5	ug/kg	93	89	59-122	4	30
Dibromochloromethane	1 U	1.	5	ug/kg	90	87	77-120	4	30
1,2-Dibromoethane	1 U	1.	5	ug/kg	94	92	80-120	2	30
Dibromomethane	1 U	1.	5	ug/kg	92	90	80-120	2	30
trans-1,4-Dichloro-2-butene	10 U	10.	50	ug/kg	109	107	70-128	1	30
Dichlorodifluoromethane	2 U	2.	5	ug/kg	86	83	26-137	4	30
1,1-Dichloroethane	1 U	1.	5	ug/kg	101	99	80-122	2	30
1,2-Dichloroethane	1 U	1.	5	ug/kg	98	97	77-130	1	30
1,1-Dichloroethene	1 U	1.	5	ug/kg	104	99	73-129	5	30
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	96	93	80-120	3	30
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	101	98	80-129	3	30
1,2-Dichloropropane	1 U	1.	5	ug/kg	100	97	80-120	4	30
cis-1,3-Dichloropropene	1 U	1.	5	ug/kg	90	89	74-120	1	30
trans-1,3-Dichloropropene	1 U	1.	5	ug/kg	96	95	76-120	1	30
Ethyl Methacrylate	1 U	1.	5	ug/kg	88	86	65-120	3	30
Ethylbenzene	1 U	1.	5	ug/kg	97	92	80-120	5	30
2-Hexanone	3 U	3.	10	ug/kg	100	97	51-120	3	30
Isobutyl Alcohol	100 U	100.	250	ug/kg	100	95	64-121	5	30
Methacrylonitrile	5 U	5.	50	ug/kg	94	93	73-127	1	30
Methyl Iodide	3 U	3.	5	ug/kg	95	92	72-130	3	30
Methyl Methacrylate	1 U	1.	5	ug/kg	86	85	60-120	1	30
4-Methyl-2-pentanone	3 U	3.	10	ug/kg	97	94	57-123	3	30
Methylene Chloride	2 U	2.	5	ug/kg	100	97	80-124	3	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Analysis Name	Blank		Blank		Report	LCS	LCSD	LCS/LCSD	RPD	RPD
	Result	U	MDL**	LOQ						
Pentachloroethane	1	U	1.	5	ug/kg	89	87	71-120	3	30
Propionitrile	30	U	30.	100	ug/kg	106	101	63-131	5	30
Styrene	1	U	1.	5	ug/kg	88	84	76-120	5	30
1,1,1,2-Tetrachloroethane	1	U	1.	5	ug/kg	91	87	80-120	4	30
1,1,2,2-Tetrachloroethane	1	U	1.	5	ug/kg	96	96	71-123	0	30
Tetrachloroethene	1	U	1.	5	ug/kg	94	88	78-120	6	30
Toluene	1	U	1.	5	ug/kg	100	95	80-120	4	30
1,1,1-Trichloroethane	1	U	1.	5	ug/kg	92	87	63-135	6	30
1,1,2-Trichloroethane	1	U	1.	5	ug/kg	95	92	80-120	3	30
Trichloroethene	1	U	1.	5	ug/kg	100	96	80-125	4	30
Trichlorofluoromethane	2	U	2.	5	ug/kg	97	92	58-133	5	30
1,2,3-Trichloropropane	1	U	1.	5	ug/kg	97	97	71-123	1	30
Vinyl Acetate	2	U	2.	10	ug/kg	118	109	40-127	8	30
Vinyl Chloride	1	U	1.	5	ug/kg	98	93	59-120	5	30
Xylene (Total)	1	U	1.	5	ug/kg	93	89	80-120	5	30

Batch number: Y143091AA

Sample number(s): 7657453-7657454

Acetone	6	U	6.	20	ug/l	77		55-129		
Acetonitrile	25	U	25.	100	ug/l	94		49-163		
Acrolein	40	U	40.	100	ug/l	85		59-120		
Acrylonitrile	4	U	4.	20	ug/l	82		62-120		
Allyl Chloride	1	U	1.	5	ug/l	97		56-120		
Benzene	0.5	U	0.5	1	ug/l	100		78-120		
Bromodichloromethane	0.5	U	0.5	1	ug/l	95		73-120		
Bromoform	0.5	U	0.5	4	ug/l	84		61-120		
Bromomethane	0.5	U	0.5	1	ug/l	69		53-130		
2-Butanone	3	U	3.	10	ug/l	88		54-133		
Carbon Disulfide	1	U	1.	5	ug/l	94		58-126		
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	103		74-130		
2-Chloro-1,3-butadiene	1	U	1.	5	ug/l	99		73-120		
Chlorobenzene	0.5	U	0.5	1	ug/l	97		80-120		
Chloroethane	0.5	U	0.5	1	ug/l	73		56-120		
Chloroform	0.5	U	0.5	1	ug/l	100		80-122		
Chloromethane	0.5	U	0.5	1	ug/l	103		63-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	83		56-120		
Dibromochloromethane	0.5	U	0.5	1	ug/l	88		72-120		
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	97		80-120		
Dibromomethane	0.5	U	0.5	1	ug/l	96		80-120		
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	81		47-139		
Dichlorodifluoromethane	1	U	1.	1	ug/l	90		55-127		
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	102		80-120		
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	101		65-135		
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	100		76-124		
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	105		80-120		
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	98		80-120		
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	92		80-120		
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	90		76-120		
Ethyl Methacrylate	1	U	1.	5	ug/l	89		73-120		
Ethylbenzene	0.5	U	0.5	1	ug/l	93		79-120		
2-Hexanone	3	U	3.	10	ug/l	85		57-127		
Isobutyl Alcohol	100	U	100.	250	ug/l	87		63-134		
Methacrylonitrile	10	U	10.	50	ug/l	93		75-120		
Methyl Iodide	0.5	U	0.5	1	ug/l	102		75-128		
Methyl Methacrylate	1	U	1.	5	ug/l	87		71-120		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Methyl-2-pentanone	3 U	3.	10	ug/l	87		51-124		
Methylene Chloride	2 U	2.	4	ug/l	99		80-120		
Pentachloroethane	1 U	1.	5	ug/l	93		74-120		
Propionitrile	30 U	30.	100	ug/l	96		73-133		
Styrene	1 U	1.	5	ug/l	96		80-120		
1,1,1,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	96		80-120		
1,1,2,2-Tetrachloroethane	0.5 U	0.5	1	ug/l	88		70-120		
Tetrachloroethene	0.5 U	0.5	1	ug/l	103		80-120		
Toluene	0.5 U	0.5	1	ug/l	99		80-120		
1,1,1-Trichloroethane	0.5 U	0.5	1	ug/l	101		66-126		
1,1,2-Trichloroethane	0.5 U	0.5	1	ug/l	94		80-120		
Trichloroethene	0.5 U	0.5	1	ug/l	103		80-120		
Trichlorofluoromethane	0.5 U	0.5	1	ug/l	99		58-135		
1,2,3-Trichloropropane	1 U	1.	5	ug/l	89		76-120		
Vinyl Acetate	2 U	2.	10	ug/l	138*		56-135		
Vinyl Chloride	0.5 U	0.5	1	ug/l	93		63-120		
Xylene (Total)	0.5 U	0.5	1	ug/l	96		80-120		

Batch number: 14309SLJ026

Sample number(s): 7657439, 7657441, 7657443, 7657445, 7657447, 7657449, 7657451

Acenaphthene	3 U	3.	17	ug/kg	90		83-111		
Acenaphthylene	3 U	3.	17	ug/kg	117		83-127		
Acetophenone	17 U	17.	33	ug/kg	103		76-108		
2-Acetylaminofluorene	67 U	67.	170	ug/kg	102		78-116		
4-Aminobiphenyl	170 U	170.	500	ug/kg	38		14-89		
Aniline	170 U	170.	500	ug/kg	67		43-110		
Anthracene	3 U	3.	17	ug/kg	100		82-118		
Benzo(a)anthracene	3 U	3.	17	ug/kg	102		76-119		
Benzo(a)pyrene	3 U	3.	17	ug/kg	100		84-122		
Benzo(b)fluoranthene	3 U	3.	17	ug/kg	108		78-129		
Benzo(g,h,i)perylene	3 U	3.	17	ug/kg	97		77-121		
Benzo(k)fluoranthene	3 U	3.	17	ug/kg	94		79-120		
Benzyl alcohol	170 U	170.	500	ug/kg	113		75-132		
1,1'-Biphenyl	17 U	17.	33	ug/kg	97		78-111		
4-Bromophenyl-phenylether	17 U	17.	33	ug/kg	98		84-120		
Butylbenzylphthalate	67 U	67.	170	ug/kg	101		80-118		
Di-n-butylphthalate	67 U	67.	170	ug/kg	103		84-120		
4-Chloro-3-methylphenol	17 U	17.	33	ug/kg	111		79-127		
4-Chloroaniline	17 U	17.	33	ug/kg	51		10-105		
Chlorobenzilate	33 U	33.	170	ug/kg	106		81-134		
bis(2-Chloroethoxy)methane	17 U	17.	33	ug/kg	96		65-123		
bis(2-Chloroethyl)ether	17 U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl)ether	17 U	17.	33	ug/kg	92		73-114		
2-Chloronaphthalene	7 U	7.	33	ug/kg	107		63-146		
2-Chlorophenol	17 U	17.	33	ug/kg	112		80-122		
4-Chlorophenyl-phenylether	17 U	17.	33	ug/kg	102		83-115		
Chrysene	3 U	3.	17	ug/kg	100		77-116		
Diallate TRANS/CIS	33 U	33.	170	ug/kg	94		76-135		
Dibenz(a,h)anthracene	3 U	3.	17	ug/kg	98		81-123		
Dibenzofuran	17 U	17.	33	ug/kg	99		85-115		
1,2-Dichlorobenzene	17 U	17.	33	ug/kg	99		79-112		
1,3-Dichlorobenzene	17 U	17.	33	ug/kg	96		79-113		
1,4-Dichlorobenzene	17 U	17.	33	ug/kg	96		79-112		
3,3'-Dichlorobenzidine	100 U	100.	330	ug/kg	90		10-125		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

<u>Analysis Name</u>	<u>Blank Result</u>		<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
	U									
2,4-Dichlorophenol	17	U	17.	33	ug/kg	110		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	106		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	102		81-118		
Dimethoate	170		170.	500	ug/kg	50		18-80		
	U									
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	112		81-130		
3,3'-Dimethylbenzidine	500		500.	1,000	ug/kg	116*		17-78		
	U									
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	100		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	109		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	100		82-113		
4,6-Dinitro-2-methylphenol	170		170.	500	ug/kg	103		67-131		
	U									
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	104		86-121		
2,4-Dinitrophenol	300		300.	1,000	ug/kg	106		42-131		
	U									
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	106		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	101		83-120		
1,4-Dioxane	100		100.	330	ug/kg	62		33-86		
	U									
Diphenyl ether	17	U	17.	33	ug/kg	92		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	100		77-121		
bis(2-Ethylhexyl) phthalate	67	U	67.	170	ug/kg	104		81-121		
Fluoranthene	3	U	3.	17	ug/kg	97		75-118		
Fluorene	3	U	3.	17	ug/kg	98		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	92		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	100		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	140		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	102		78-114		
Hexachloropropene	100		100.	330	ug/kg	106		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	95		76-122		
Isodrin	17	U	17.	33	ug/kg	110		85-128		
Isophorone	17	U	17.	33	ug/kg	103		83-119		
Isosafrole	67	U	67.	170	ug/kg	109		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	86		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	96		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	105		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	98		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	110		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	106		75-119		
Naphthalene	3	U	3.	17	ug/kg	98		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	90		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	68		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	38		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	66		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	102		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	96		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	89		48-112		

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Nitrobenzene	17 U	17.	33	ug/kg	95		80-115		
2-Nitrophenol	17 U	17.	33	ug/kg	114		83-120		
4-Nitrophenol	170 U	170.	500	ug/kg	89		64-121		
4-Nitroquinoline-1-oxide	330 U	330.	1,000	ug/kg	113		65-139		
N-Nitroso-di-n-propylamine	17 U	17.	33	ug/kg	98		70-119		
N-Nitrosodi-n-butylamine	67 U	67.	170	ug/kg	93		64-128		
N-Nitrosodiethylamine	17 U	17.	33	ug/kg	95		77-117		
N-Nitrosodimethylamine	67 U	67.	170	ug/kg	83		72-110		
N-Nitrosodiphenylamine	17 U	17.	33	ug/kg	97		83-118		
N-Nitrosomethylethylamine	67 U	67.	170	ug/kg	83		71-115		
N-Nitrosomorpholine	67 U	67.	170	ug/kg	92		75-128		
N-Nitrosopiperidine	17 U	17.	33	ug/kg	97		82-121		
N-Nitrosopyrrolidine	17 U	17.	33	ug/kg	106		71-132		
Di-n-octylphthalate	67 U	67.	170	ug/kg	119		82-134		
Pentachlorobenzene	17 U	17.	33	ug/kg	103		79-119		
Pentachloronitrobenzene	67 U	67.	170	ug/kg	108		83-116		
Pentachlorophenol	33 U	33.	170	ug/kg	77		46-133		
Phenacetin	67 U	67.	170	ug/kg	99		76-119		
Phenanthrene	3 U	3.	17	ug/kg	95		80-114		
Phenol	17 U	17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000 U	12,000.	33,000	ug/kg					
2-Picoline	100 U	100.	330	ug/kg	68		64-108		
Pronamide	33 U	33.	170	ug/kg	100		72-119		
Pyrene	3 U	3.	17	ug/kg	94		81-114		
Pyridine	67 U	67.	170	ug/kg	94		51-109		
Safrole	67 U	67.	170	ug/kg	104		82-117		
1,2,4,5-Tetrachlorobenzene	17 U	17.	33	ug/kg	97		80-109		
2,3,4,6-Tetrachlorophenol	67 U	67.	170	ug/kg	110		77-129		
Tetraethyldithiopyrophosphate	67 U	67.	170	ug/kg	97		77-123		
Thionazin	67 U	67.	170	ug/kg	92		76-123		
o-Toluidine	200 U	200.	670	ug/kg	53		12-110		
1,2,4-Trichlorobenzene	17 U	17.	33	ug/kg	103		83-113		
2,4,5-Trichlorophenol	17 U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17 U	17.	33	ug/kg	106		81-123		
O,O,O-Triethylphosphorothioate	67 U	67.	170	ug/kg	100		82-117		
1,3,5-Trinitrobenzene	170 U	170.	500	ug/kg	85		67-111		
Batch number: 143110044A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451								
Diethylene glycol	5.0 U	5.0	10	mg/kg	93		54-149		
Ethylene glycol	5.0 U	5.0	10	mg/kg	94		76-122		
Propylene glycol	5.0 U	5.0	10	mg/kg	93		67-131		
Triethylene glycol	5.0 U	5.0	10	mg/kg	93		34-145		
Batch number: 143080637003	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451								
Barium	0.0330 U	0.0330	1.00	mg/kg	97		80-120		
Beryllium	0.0670 U	0.0670	1.00	mg/kg	99		80-120		
Cadmium	0.0330 U	0.0330	1.00	mg/kg	101		80-120		
Chromium	0.110 U	0.110	3.00	mg/kg	98		80-120		
Cobalt	0.0960 U	0.0960	1.00	mg/kg	102		80-120		
Copper	0.330 U	0.330	2.00	mg/kg	100		80-120		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Iron	3.34 U	3.34	40.0	mg/kg	99		80-120		
Manganese	0.0830 U	0.0830	1.00	mg/kg	98		80-120		
Nickel	0.150 U	0.150	2.00	mg/kg	102		80-120		
Silver	0.190 U	0.190	1.00	mg/kg	98		80-120		
Tin	1.24 J	0.430	20.0	mg/kg	98		80-120		
Vanadium	0.0910 U	0.0910	1.00	mg/kg	102		80-120		
Zinc	0.597 J	0.260	4.00	mg/kg	101		80-120		

Batch number: 143080637003A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451
Antimony	0.0844 U 0.0844 0.400 mg/kg 104 80-120
Arsenic	0.0854 U 0.0854 0.800 mg/kg 107 80-120
Lead	0.0128 U 0.0128 0.400 mg/kg 102 80-120
Thallium	0.0300 U 0.0300 0.200 mg/kg 103 80-120

Batch number: 143080637003B	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451
Selenium	0.100 U 0.100 0.800 mg/kg 110 80-120

Batch number: 143080638003	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451
Mercury	0.0100 U 0.0100 0.200 mg/kg 94 80-120

Batch number: 14306049531A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451
Total Organic Carbon (TOC)	100 100. 300 mg/kg 110 47-143

Batch number: 14310820009A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451
Moisture	100 99-101

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X143101AA	Sample number(s): 7657439,7657441,7657443 UNSPK: P657973								
Acetone	64	96	31-195	25	30				
Acetonitrile	45	47	41-166	4	30				
Acrolein	65	63	10-165	3	30				
Acrylonitrile	100	99	48-139	6	30				
Allyl Chloride	91	87	55-154	3	30				
Benzene	91	82	55-143	3	30				
Bromodichloromethane	84	73	53-136	6	30				
Bromoform	79	62	50-144	18	30				
Bromomethane	77	75	42-168	4	30				
2-Butanone	104	109	37-163	11	30				
Carbon Disulfide	82	68	48-146	8	30				
Carbon Tetrachloride	96	91	51-165	2	30				
2-Chloro-1,3-butadiene	93	84	51-152	3	30				
Chlorobenzene	75	55	49-135	24	30				
Chloroethane	80	81	39-152	8	30				
Chloroform	91	88	61-142	3	30				
Chloromethane	92	92	36-143	7	30				
1,2-Dibromo-3-chloropropane	79	58	34-165	23	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromochloromethane	80	65	51-128	13	30				
1,2-Dibromoethane	84	66	54-129	18	30				
Dibromomethane	84	71	57-130	9	30				
trans-1,4-Dichloro-2-butene	87	61	31-144	28	30				
Dichlorodifluoromethane	96	91	26-151	2	30				
1,1-Dichloroethane	93	91	63-142	5	30				
1,2-Dichloroethane	89	81	54-143	2	30				
1,1-Dichloroethene	103	99	61-149	3	30				
cis-1,2-Dichloroethene	88	80	67-135	3	30				
trans-1,2-Dichloroethene	93	86	64-144	1	30				
1,2-Dichloropropane	90	83	54-144	1	30				
cis-1,3-Dichloropropene	82	66	45-137	15	30				
trans-1,3-Dichloropropene	80	61	51-134	20	30				
Ethyl Methacrylate	82	68	35-134	12	30				
Ethylbenzene	76	58	44-141	20	30				
2-Hexanone	101	91	32-160	3	30				
Isobutyl Alcohol	81	83	44-158	10	30				
Methacrylonitrile	101	97	54-142	3	30				
Methyl Iodide	92	90	52-139	5	30				
Methyl Methacrylate	89	80	42-134	4	30				
4-Methyl-2-pentanone	104	98	46-139	1	30				
Methylene Chloride	90	88	60-149	5	30				
Pentachloroethane	67	55	35-145	13	30				
Propionitrile	82	81	40-151	7	30				
Styrene	62	38	35-134	42*	30				
1,1,1,2-Tetrachloroethane	76	64	55-139	10	30				
1,1,2,2-Tetrachloroethane	84	70	29-182	12	30				
Tetrachloroethene	82	76	42-149	1	30				
Toluene	85	70	50-146	12	30				
1,1,1-Trichloroethane	88	86	52-146	5	30				
1,1,2-Trichloroethane	87	75	58-152	8	30				
Trichloroethene	91	79	53-144	7	30				
Trichlorofluoromethane	87	86	47-163	5	30				
1,2,3-Trichloropropane	92	76	36-180	13	30				
Vinyl Acetate	103	106	21-139	3	30				
Vinyl Chloride	91	87	50-154	2	30				
Xylene (Total)	68	50	44-136	24	30				

Batch number: X143102AA

Sample number(s): 7657445,7657447,7657449,7657451 BKG: 7657445

Acetone	16	J	19	13 (1)	30
Acetonitrile	22	U	21	U 0 (1)	30
Acrolein	18	U	17	U 0 (1)	30
Acrylonitrile	4	U	3	U 0 (1)	30
Allyl Chloride	0.9	U	0.8	U 0 (1)	30
Benzene	0.4	U	0.4	U 0 (1)	30
Bromodichloromethane	0.9	U	0.8	U 0 (1)	30
Bromoform	0.9	U	0.8	U 0 (1)	30
Bromomethane	2	U	2	U 0 (1)	30
2-Butanone	4	U	3	U 0 (1)	30
Carbon Disulfide	1	J	0.8	U 200* (1)	30
Carbon Tetrachloride	0.9	U	0.8	U 0 (1)	30
2-Chloro-1,3-butadiene	0.9	U	0.8	U 0 (1)	30

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>		<u>DUP</u> <u>Conc</u>		<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Chlorobenzene	0.9	U	0.8	U	0	(1)	30				
Chloroethane	2	U	2	U	0	(1)	30				
Chloroform	0.9	U	0.8	U	0	(1)	30				
Chloromethane	2	U	2	U	0	(1)	30				
1,2-Dibromo-3-chloropropane	2	U	2	U	0	(1)	30				
Dibromochloromethane	0.9	U	0.8	U	0	(1)	30				
1,2-Dibromoethane	0.9	U	0.8	U	0	(1)	30				
Dibromomethane	0.9	U	0.8	U	0	(1)	30				
trans-1,4-Dichloro-2-butene	9	U	8	U	0	(1)	30				
Dichlorodifluoromethane	2	U	2	U	0	(1)	30				
1,1-Dichloroethane	0.9	U	0.8	U	0	(1)	30				
1,2-Dichloroethane	0.9	U	0.8	U	0	(1)	30				
1,1-Dichloroethene	0.9	U	0.8	U	0	(1)	30				
cis-1,2-Dichloroethene	0.9	U	0.8	U	0	(1)	30				
trans-1,2-Dichloroethene	0.9	U	0.8	U	0	(1)	30				
1,2-Dichloropropane	0.9	U	0.8	U	0	(1)	30				
cis-1,3-Dichloropropene	0.9	U	0.8	U	0	(1)	30				
trans-1,3-Dichloropropene	0.9	U	0.8	U	0	(1)	30				
Ethyl Methacrylate	0.9	U	0.8	U	0	(1)	30				
Ethylbenzene	0.9	U	0.8	U	0	(1)	30				
2-Hexanone	3	U	3	U	0	(1)	30				
Isobutyl Alcohol	88	U	85	U	0	(1)	30				
Methacrylonitrile	4	U	4	U	0	(1)	30				
Methyl Iodide	3	U	3	U	0	(1)	30				
Methyl Methacrylate	0.9	U	0.8	U	0	(1)	30				
4-Methyl-2-pentanone	3	U	3	U	0	(1)	30				
Methylene Chloride	2	U	2	U	0	(1)	30				
Pentachloroethane	0.9	U	0.8	U	0	(1)	30				
Propionitrile	26	U	25	U	0	(1)	30				
Styrene	0.9	U	0.8	U	0	(1)	30				
1,1,1,2-Tetrachloroethane	0.9	U	0.8	U	0	(1)	30				
1,1,2,2-Tetrachloroethane	0.9	U	0.8	U	0	(1)	30				
Tetrachloroethene	0.9	U	0.8	U	0	(1)	30				
Toluene	0.9	U	0.8	U	0	(1)	30				
1,1,1-Trichloroethane	0.9	U	0.8	U	0	(1)	30				
1,1,2-Trichloroethane	0.9	U	0.8	U	0	(1)	30				
Trichloroethene	0.9	U	0.8	U	0	(1)	30				
Trichlorofluoromethane	2	U	2	U	0	(1)	30				
1,2,3-Trichloropropane	0.9	U	0.8	U	0	(1)	30				
Vinyl Acetate	2	U	2	U	0	(1)	30				
Vinyl Chloride	0.9	U	0.8	U	0	(1)	30				
Xylene (Total)	0.9	U	0.8	U	0	(1)	30				

Batch number: Y143091AA	Sample number(s): 7657453-7657454 UNSPK: P660371				
Acetone	77	78	35-144	1	30
Acetonitrile	76	89	40-131	16	30
Acrolein	80	81	39-136	1	30
Acrylonitrile	83	79	51-125	4	30
Allyl Chloride	104	106	47-142	1	30
Benzene	111	110	72-134	1	30
Bromodichloromethane	100	101	73-125	1	30
Bromoform	85	84	48-118	2	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Bromomethane	80	75	47-129	7	30				
2-Butanone	88	88	44-135	1	30				
Carbon Disulfide	104	106	53-149	1	30				
Carbon Tetrachloride	120	119	75-148	1	30				
2-Chloro-1,3-butadiene	112	112	75-146	0	30				
Chlorobenzene	104	105	87-124	1	30				
Chloroethane	80	73	55-130	9	30				
Chloroform	110	109	81-134	1	30				
Chloromethane	117	117	61-125	0	30				
1,2-Dibromo-3-chloropropane	83	81	50-123	2	30				
Dibromochloromethane	91	91	74-116	0	30				
1,2-Dibromoethane	100	100	77-116	0	30				
Dibromomethane	99	99	83-119	1	30				
trans-1,4-Dichloro-2-butene	78	76	27-147	3	30				
Dichlorodifluoromethane	108	106	58-156	2	30				
1,1-Dichloroethane	112	105	84-129	6	30				
1,2-Dichloroethane	109	108	63-142	1	30				
1,1-Dichloroethene	115	114	79-137	1	30				
cis-1,2-Dichloroethene	113	111	80-141	1	30				
trans-1,2-Dichloroethene	117	112	86-131	4	30				
1,2-Dichloropropane	104	104	83-124	0	30				
cis-1,3-Dichloropropene	93	94	70-116	1	30				
trans-1,3-Dichloropropene	94	94	74-119	0	30				
Ethyl Methacrylate	89	90	64-126	1	30				
Ethylbenzene	103	103	71-134	0	30				
2-Hexanone	86	86	38-131	0	30				
Isobutyl Alcohol	87	86	53-142	1	30				
Methacrylonitrile	94	93	71-126	0	30				
Methyl Iodide	113	113	65-144	0	30				
Methyl Methacrylate	87	88	63-123	1	30				
4-Methyl-2-pentanone	88	87	45-128	1	30				
Methylene Chloride	106	106	78-133	0	30				
Pentachloroethane	98	96	71-117	2	30				
Propionitrile	95	93	61-138	2	30				
Styrene	104	103	78-125	0	30				
1,1,1,2-Tetrachloroethane	104	102	80-123	1	30				
1,1,2,2-Tetrachloroethane	89	89	72-128	1	30				
Tetrachloroethene	116	115	80-128	1	30				
Toluene	110	108	80-125	2	30				
1,1,1-Trichloroethane	113	114	69-140	1	30				
1,1,2-Trichloroethane	98	97	71-141	1	30				
Trichloroethene	115	114	88-133	1	30				
Trichlorofluoromethane	117	116	63-163	1	30				
1,2,3-Trichloropropane	89	89	76-118	0	30				
Vinyl Acetate	141	129	62-153	9	30				
Vinyl Chloride	109	108	66-133	1	30				
Xylene (Total)	105	105	79-125	1	30				

Batch number: 14309SLJ026

Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK:
7657439

Acenaphthene	94	90	55-132	3	30
Acenaphthylene	117	111	53-143	3	30

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Acetophenone	94	94	67-111	1	30				
2-Acetylaminofluorene	101	99	48-138	1	30				
4-Aminobiphenyl	19	18	10-80	7	30				
Aniline	51	44	23-96	14	30				
Anthracene	99	95	42-147	2	30				
Benzo(a)anthracene	101	95	32-150	5	30				
Benzo(a)pyrene	99	92	36-151	7	30				
Benzo(b)fluoranthene	100	99	29-150	0	30				
Benzo(g,h,i)perylene	103	97	41-147	5	30				
Benzo(k)fluoranthene	93	91	35-146	1	30				
Benzyl alcohol	106	102	69-131	2	30				
1,1'-Biphenyl	103	95	57-123	7	30				
4-Bromophenyl-phenylether	106	98	58-142	6	30				
Butylbenzylphthalate	104	99	50-137	4	30				
Di-n-butylphthalate	105	96	57-130	7	30				
4-Chloro-3-methylphenol	100	96	39-150	3	30				
4-Chloroaniline	35	24	10-100	37*	30				
Chlorobenzilate	107	103	79-128	2	30				
bis(2-Chloroethoxy)methane	85	84	54-128	0	30				
bis(2-Chloroethyl)ether	89	86	69-114	2	30				
bis(2-Chloroisopropyl)ether	85	84	62-120	0	30				
2-Chloronaphthalene	95	76	40-156	21	30				
2-Chlorophenol	105	104	35-152	1	30				
4-Chlorophenyl-phenylether	100	95	56-130	4	30				
Chrysene	97	93	28-146	3	30				
Diallate TRANS/CIS	100	97	45-145	2	30				
Dibenz(a,h)anthracene	103	98	54-142	3	30				
Dibenzofuran	99	95	46-137	3	30				
1,2-Dichlorobenzene	98	95	45-133	2	30				
1,3-Dichlorobenzene	93	89	45-129	3	30				
1,4-Dichlorobenzene	92	90	44-132	0	30				
3,3'-Dichlorobenzidine	80	71	10-143	10	30				
2,4-Dichlorophenol	108	103	39-153	3	30				
2,6-Dichlorophenol	103	97	56-133	4	30				
Diethylphthalate	99	95	54-127	3	30				
Dimethoate	86	79	39-178	7	30				
p-Dimethylaminoazobenzene	112	107	77-123	3	30				
3,3'-Dimethylbenzidine	79	70	10-103	11	30				
7,12-Dimethylbenz[a]anthracene	93	86	44-139	7	30				
2,4-Dimethylphenol	100	100	38-140	1	30				
Dimethylphthalate	97	92	45-135	5	30				
4,6-Dinitro-2-methylphenol	48	51	10-148	7	30				
1,3-Dinitrobenzene	98	92	73-116	5	30				
2,4-Dinitrophenol	33	35	20-143	7	30				
2,4-Dinitrotoluene	95	95	39-144	1	30				
2,6-Dinitrotoluene	98	98	54-134	2	30				
1,4-Dioxane	53	50	10-98	5	30				
Diphenyl ether	97	97	54-125	1	30				
Ethyl methanesulfonate	80	80	44-120	1	30				
bis(2-Ethylhexyl)phthalate	105	103	52-138	1	30				
Fluoranthene	90	82	41-135	7	30				
Fluorene	96	92	55-128	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Hexachlorobenzene	94	90	46-132	4	30				
Hexachlorobutadiene	103	104	65-125	2	30				
Hexachlorocyclopentadiene	36	37	10-153	4	30				
Hexachloroethane	88	89	24-138	2	30				
Hexachloropropene	49	52	39-124	6	30				
Indeno (1,2,3-cd)pyrene	100	96	44-147	3	30				
Isodrin	109	100	10-143	7	30				
Isophorone	98	94	68-119	4	30				
Isosafrole	107	103	69-135	3	30				
Methapyrilene	39*	37*	70-130	4	30				
Methyl methanesulfonate	53	53	10-134	1	30				
3-Methylcholanthrene	101	95	65-123	4	30				
2-Methylnaphthalene	95	91	39-140	2	30				
2-Methylphenol	100	100	36-149	2	30				
4-Methylphenol	90	90	29-143	1	30				
Naphthalene	97	96	44-142	1	30				
1,4-Naphthoquinone	78	73	70-130	5	30				
1-Naphthylamine	53	42	10-92	21	30				
2-Naphthylamine	17	13	10-71	27	30				
5-Nitro-o-toluidine	85	77	33-107	8	30				
2-Nitroaniline	102	99	64-131	1	30				
3-Nitroaniline	87	77	31-145	11	30				
4-Nitroaniline	79	72	30-131	8	30				
Nitrobenzene	89	88	41-141	0	30				
2-Nitrophenol	104	107	45-146	4	30				
4-Nitrophenol	85	83	25-142	2	30				
4-Nitroquinoline-1-oxide	24	25	10-160	2	30				
N-Nitroso-di-n-propylamine	89	87	58-126	1	30				
N-Nitrosodi-n-butylamine	86	85	38-136	0	30				
N-Nitrosodiethylamine	88	88	56-112	1	30				
N-Nitrosodimethylamine	76	71	61-110	5	30				
N-Nitrosodiphenylamine	105	97	59-135	7	30				
N-Nitrosomethylethylamine	73	72	54-118	1	30				
N-Nitrosomorpholine	83	82	72-121	0	30				
N-Nitrosopiperidine	90	93	48-131	4	30				
N-Nitrosopyrrolidine	89	93	59-131	5	30				
Di-n-octylphthalate	118	112	54-151	4	30				
Pentachlorobenzene	101	99	69-119	0	30				
Pentachloronitrobenzene	109	104	78-116	4	30				
Pentachlorophenol	97	88	23-145	8	30				
Phenacetin	99	92	69-121	7	30				
Phenanthrene	97	89	42-141	7	30				
Phenol	90	92	61-130	3	30				
2-Picoline	75	76	55-104	3	30				
Pronamide	106	99	69-130	5	30				
Pyrene	96	88	37-140	7	30				
Pyridine	78	80	16-108	3	30				
Safrole	99	99	76-114	1	30				
1,2,4,5-Tetrachlorobenzene	106	101	71-120	3	30				
2,3,4,6-Tetrachlorophenol	102	93	62-132	8	30				
Tetraethylthiopyrophosphate	103	101	76-126	0	30				
Thionazin	96	93	65-123	2	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
o-Toluidine	50	38	21-84	26	30				
1,2,4-Trichlorobenzene	100	96	50-139	2	30				
2,4,5-Trichlorophenol	103	94	64-131	7	30				
2,4,6-Trichlorophenol	105	99	60-136	4	30				
O,O,O-Triethylphosphorothioate	97	99	70-119	3	30				
1,3,5-Trinitrobenzene	57	56	10-113	0	30				
Batch number: 143110044A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657445								
Diethylene glycol	73	74	48-124	1	20				
Ethylene glycol	76	76	68-115	1	20				
Propylene glycol	75	75	71-115	0	20				
Triethylene glycol	73	74	23-139	2	20				
Batch number: 143080637003	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657445 BKG: 7657445								
Barium	99	100	75-125	1	20	7.24	5.67	24*	20
Beryllium	102	100	75-125	3	20	0.347 J	0.210 J	49* (1)	20
Cadmium	99	99	75-125	0	20	0.0676 J	0.0324 U	200* (1)	20
Chromium	110	111	75-125	1	20	1.67 J	3.05	58* (1)	20
Cobalt	102	102	75-125	0	20	0.904 J	0.563 J	47* (1)	20
Copper	108	104	75-125	3	20	1.27 J	0.904 J	34* (1)	20
Iron	-360 (2)	446 (2)	75-125	18	20	4,340	2,780	44*	20
Manganese	101	136*	75-125	13	20	78.2	54.7	35*	20
Nickel	102	101	75-125	1	20	1.26 J	0.497 J	87* (1)	20
Silver	99	97	75-125	1	20	0.186 U	0.186 U	0 (1)	20
Tin	97	97	75-125	0	20	2.49 J	1.56 J	46* (1)	20
Vanadium	104	100	75-125	4	20	8.63	5.56	43*	20
Zinc	102	104	75-125	1	20	7.35	5.47	29* (1)	20
Batch number: 143080637003A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657445 BKG: 7657445								
Antimony	103	114	75-125	10	20	0.0827 U	0.0827 U	0 (1)	20
Arsenic	100	125	75-125	19	20	0.415 J	0.149 J	95* (1)	20
Lead	81	78	75-125	2	20	2.31	1.11	70* (1)	20
Thallium	105	103	75-125	2	20	0.0332 J	0.0294 U	200* (1)	20
Batch number: 143080637003B	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657445 BKG: 7657445								
Selenium	115	115	75-125	0	20	0.0980 U	0.0980 U	0 (1)	20
Batch number: 143080638003	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657439 BKG: 7657439								
Mercury	96	93	75-125	6	20	0.0098 U	0.0099 U	0 (1)	20
Batch number: 14306049531A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 UNSPK: 7657439 BKG: 7657439								
Total Organic Carbon (TOC)	101		22-155			3,030	2,940	3	13
Batch number: 14310820009A	Sample number(s): 7657439,7657441,7657443,7657445,7657447,7657449,7657451 BKG: 7657443								

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Moisture						21.9	21.8	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles

Batch number: X143101AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657439	99	95	101	91
7657441	99	97	96	92
7657443	101	97	96	94
Blank	99	99	98	92
LCS	99	97	103	102
MS	97	101	99	100
MSD	98	101	101	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles

Batch number: X143102AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657445	99	97	97	94
7657447	98	96	97	92
7657449	99	96	97	92
7657451	100	99	97	93
Blank	97	96	99	94
DUP	99	96	98	93
LCS	95	94	102	102
LCSD	95	93	103	101
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles

Batch number: Y143091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657453	105	102	98	90
7657454	105	102	98	90
Blank	103	102	98	92
LCS	101	100	100	99
MS	102	102	100	98
MSD	103	100	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds

Batch number: 14309SLJ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657439	89	96	97	82	88	95
7657441	89	95	101	83	93	99

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 04:32 PM

Group Number: 1515131

Surrogate Quality Control

7657443	91	96	92	80	87	97
7657445	91	96	95	83	91	96
7657447	86	94	96	79	87	93
7657449	89	96	105	86	92	102
7657451	87	95	103	84	91	99
Blank	90	99	105	85	89	103
LCS	98	103	102	87	89	100
MS	87	92	96	84	93	102
MSD	89	95	90	82	88	98
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: 4 Gylcol Compounds
Batch number: 143110044A

Tetramethylene glycol

7657439	63*
7657441	64*
7657443	64*
7657445	64*
7657447	65*
7657449	64*
7657451	66*
Blank	84
LCS	85
MS	68*
MSD	69*
Limits:	71-121

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

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- (2) The unspiked result was more than four times the spike added.



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1515131 Sample Nos.: 7657439-54
 Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C22095 **30341**
 Cooler Temperature upon receipt: 0.2 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required								Comments:				
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379			APPIX Volatiles (8260)												
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681															
1300 Staton Road		Release No.:															
Cedar Mountain NC 28718		PO Number: LBIO-66380															
Sampler(s): <u>ME, HL</u>																	
Project Name: SED SW PW 2014													Condition upon receipt:				
Sample Identification		Date Collected	Time Collected	Matrix	Containers												
					Volume (ml)	Preserv	No.										
SSP14-SED- <u>05</u>		<u>10/29/14</u>	<u>1505</u>	SW	40	MeOH	1	X									<u>Intact</u>
SSP14-SED- <u>05</u>		↓	↓	SW	40	NaHSO4	2	X									
SSP14-SED- <u>06</u>		↓	<u>1525</u>	SW	40	MeOH	1	X									
SSP14-SED- <u>06</u>		↓	↓	SW	40	NaHSO4	2	X									
Turnaround Time Requested (please circle):		<u>Standard</u>		RUSH	Number of days: <u>8</u>			Special Instructions:									
Bottles Relinquished by: <u>Anna M. Gashko</u>		Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>[Signature]</u>		Date: <u>10/28/14</u>	Time: <u>1200</u>										
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by:		Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>10/31/14</u>	Time: <u>0915</u>										



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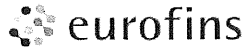
Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1515131 Sample Nos.: 7657439-54
 Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C22095 **30341**
 Cooler Temperature upon receipt: 0.2 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		APPIX Volatiles (8260)															
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																	
1300 Staton Road		Release No.:																	
Cedar Mountain NC 28718		PO Number: LBIO-66380																	
Sampler(s): <u>ME, HL</u>		Project Name: SED SW PW 2014												Condition upon receipt:					
Sample Identification	Date Collected	Time Collected	Matrix	Containers			No.	X											
				Volume (ml)	Preserv														
SSP14-SED- <u>07</u>	<u>10/29/14</u>	<u>1720</u>	SW	40	MeOH	1	X											Intact ↓	
SSP14-SED- <u>07</u>	↓	↓	SW	40	NaHSO4	2	X												
SSP14-SED- <u>27</u>	↓	<u>1645</u>	SW	40	MeOH	1	X												
SSP14-SED- <u>27</u>	↓	↓	SW	40	NaHSO4	2	X												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:															
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>[Signature]</u>		Date: <u>10/28/14</u>	Time: <u>1200</u>												
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by:		Date:	Time:												
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:												
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>10/31/14</u>	Time: <u>0915</u>												



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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 15131 Sample Nos.: 7657439-54
 Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C27027 **30331**
 Cooler Temperature upon receipt: 0.2 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:													
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		APPIX SV/s+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod											Condition upon receipt:				
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																									
1300 Staton Road		Release No.:																									
Cedar Mountain NC 28718		PO Number: LBIO-66380																									
Sampler(s): <u>MB, HL</u>		Project Name: SED SW PW 2014																									
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPIX SV/s+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod										
SSP14-SED- <u>07</u>			<u>10/29/14</u>	<u>1720</u>	SW	125	None	1	X				X	X			X	Intact									
SSP14-SED- <u>07</u>					SW	125	None	1			X																
SSP14-SED- <u>07</u>					SW	500	None	1				X															
SSP14-SED- <u>07</u>					SW	125	None	1		X																	
SSP14-SED- <u>27</u>				<u>1645</u>	SW	125	None	1	X				X	X			X										
SSP14-SED- <u>27</u>					SW	125	None	1			X																
SSP14-SED- <u>27</u>					SW	500	None	1				X															
SSP14-SED- <u>27</u>					SW	125	None	1		X																	
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:																	
Bottles Relinquished by: <u>Abg Migashko</u>			Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>[Signature]</u>			Date: <u>10/29/14</u>	Time: <u>1200</u>																		
Bottles Relinquished by: <u>[Signature]</u>			Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by:			Date:	Time:																		
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:																		
Bottles Relinquished by:			Date:	Time:	Bottles Received by: <u>[Signature]</u>			Date: <u>10/31/14</u>	Time: <u>0915</u>																		



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Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1515131 Sample Nos.: 7657439-54

Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: 222095 **30341**

Cooler Temperature upon receipt: 0.9 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:														
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																										
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																										
1300 Staton Road		Release No.:																										
Cedar Mountain NC 28718		PO Number: LBIO-66380																										
Sampler(s): <u>MB, HL</u>																												
Project Name: SED SW PW 2014				APPIX Volatiles (8260)										Condition upon receipt:														
Sample Identification			Date Collected													Time Collected	Matrix	Containers										
Volume (ml)	Preserv	No.																										
SSP14-SED- <u>14</u>	<u>10/29/14</u>	<u>935</u>	<u>SW</u>													<u>40</u>	<u>MeOH</u>	<u>1</u>	<u>X</u>									
SSP14-SED- <u>14</u>		<u>935</u>	<u>SW</u>													<u>40</u>	<u>NaHSO4</u>	<u>2</u>	<u>X</u>									
SSP14-SED- <u>31</u>		<u>955</u>	<u>SW</u>													<u>40</u>	<u>MeOH</u>	<u>1</u>	<u>X</u>									
SSP14-SED- <u>31</u>		<u>955</u>	<u>SW</u>													<u>40</u>	<u>NaHSO4</u>	<u>2</u>	<u>X</u>									
<u>SSP14-SED-32</u>		<u>10/5</u>	<u>SW</u>													<u>40</u>	<u>MeOH</u>	<u>1</u>	<u>X</u>									
<u>SSP14-SED-32</u>		<u>10/5</u>	<u>SW</u>													<u>40</u>	<u>NaHSO4</u>	<u>2</u>	<u>X</u>									
<u>TB-102914-2</u>	<u>↓</u>	<u>935</u>	<u>WW</u>													<u>40</u>	<u>HCl</u>	<u>2</u>	<u>X</u>									
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																								
Bottles Relinquished by: <u>Lina Megachko</u>		Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>[Signature]</u>				Date: <u>10/28</u>	Time: <u>1200</u>																			
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by:				Date:	Time:																			
Bottles Relinquished by:		Date:	Time:	Bottles Received by:				Date:	Time:																			
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>				Date: <u>10/31/14</u>	Time: <u>0915</u>																			



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Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only

Group No.: 1515131 Sample Nos.: 7657439-54

Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C22095 **30341**

Cooler Temperature upon receipt: 0.2 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:																
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																												
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681																												
1300 Staton Road		Release No.:																												
Cedar Mountain NC 28718		PO Number: LBIO-66380																												
Sampler(s): <u>ME, HL</u>				APPIX Volatiles (8260)										Condition upon receipt:																
Project Name: SED SW PW 2014																														
Sample Identification			Date Collected												Time Collected	Matrix	Containers			X										
			Volume (ml)												Preserv	No.														
TB- <u>102914-3</u>			<u>10/29/14</u>												<u>1505</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>2</u>											

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>			Special Instructions:		
Bottles Relinquished by: <u>Aida Magashko</u>	Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>[Signature]</u>	Date: <u>10/28/14</u>	Time: <u>1200</u>
Bottles Relinquished by: <u>[Signature]</u>	Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>[Signature]</u>	Date: <u>10/31/14</u>	Time: <u>0915</u>

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 10/31/2014 9:15
 Number of Packages: 4 Number of Projects: 2
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	No	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	No	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Corey Eshleman (3647) at 10:17 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.9	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N

Samples Not Intact Details: SED SW PW 2014

Sample ID on Label	Bottle Code	Bottle Quantity	Container Salvageable?	Comments
SSP14-SED-05	40 ml glass vial - MeOH	1	N	SOIL VIALS WERE NOT IN FOAM HOLDERS.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 07, 2014

Project: BRE - SED SW PW

Submittal Date: 10/30/2014

Group Number: 1514779

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SW-14 Surface Water
SSP14-SW-14-Z Filtered Surface Water
SSP14-SW-14-A Surface Water
SSP14-SW-31 Surface Water
SSP14-SW-31-Z Filtered Surface Water
SSP14-SW-31-A Surface Water
SSP14-SW-32 Surface Water
SSP14-SW-32-Z Filtered Surface Water
SSP14-SW-32-A Surface Water
TB-102914-1 Blank Water
TB-102914-A-1 Blank Water

Lancaster Labs (LL) #

7655623
7655624
7655625
7655626
7655627
7655628
7655629
7655630
7655631
7655632
7655633

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SW-14 Surface Water
SED SW PW 2014

LL Sample # WW 7655623
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14 Surface Water
SED SW PW 2014

LL Sample # WW 7655623
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	2.1		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0027 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.572		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.240 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.171 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0033 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0037 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14 Surface Water
SED SW PW 2014

LL Sample # WW 7655623
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 8.00	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 21:43	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 14:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 14:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 21:43	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14305WAJ026	11/04/2014 06:13	Brian K Graham	1
11010	8270D BNA Extraction	SW-846 3510C	1	14305WAJ026	11/03/2014 09:30	David S Schrum	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/05/2014 23:28	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:36	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:24	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:24	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:24	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:24	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:24	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 06:55	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14 Surface Water
SED SW PW 2014

LL Sample # WW 7655623
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM 2540 D-1997	1	14308145702A	11/04/2014 11:56	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655624
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0019 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.148 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0015 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0036 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:47	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655624
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:26	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:26	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:26	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:26	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:26	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:01	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-14-A Surface Water
SED SW PW 2014

LL Sample # WW 7655625
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BS14A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143041AA	10/31/2014 11:02	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143041AA	10/31/2014 11:02	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31 Surface Water
SED SW PW 2014

LL Sample # WW 7655626
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31 Surface Water
SED SW PW 2014

LL Sample # WW 7655626
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	2.3		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0031 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.613		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.198 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.175 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0041 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0042 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31 Surface Water
SED SW PW 2014

LL Sample # WW 7655626
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 3.20	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 22:05	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 14:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 14:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 22:05	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14305WAJ026	11/04/2014 06:40	Brian K Graham	1
11010	8270D BNA Extraction	SW-846 3510C	1	14305WAJ026	11/03/2014 09:30	David S Schrum	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/05/2014 23:43	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:51	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:28	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:28	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:28	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:28	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:28	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:03	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31 Surface Water
SED SW PW 2014

LL Sample # WW 7655626
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM 2540 D-1997	1	14308145702A	11/04/2014 11:56	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655627
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15
Reported: 11/07/2014 18:47

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
SW-846 6010C			mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0021 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.142 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0017 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0033 J	0.0020	0.0400	1
SW-846 6020A			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:55	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655627
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:29	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:29	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:29	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:29	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:29	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:05	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-31-A Surface Water
SED SW PW 2014

LL Sample # WW 7655628
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BS31A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143041AA	10/31/2014 11:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143041AA	10/31/2014 11:25	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32 Surface Water
SED SW PW 2014

LL Sample # WW 7655629
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32 Surface Water
SED SW PW 2014

LL Sample # WW 7655629
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B 25mL							
purge							
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles SW-846 8260B SIM							
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles SW-846 8270D							
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous SW-846 8015C Feb 2007							
Rev 3							
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals SM 2340 B-1997							
06256	Total Hardness as CaCO3	471-34-1	2.4		0.033	0.40	1
SW-846 6010C							
07046	Barium	7440-39-3	0.0027 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.668		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.240 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.177 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0062 J		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0035 J		0.0020	0.0400	1
SW-846 6020A							
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32 Surface Water
SED SW PW 2014

LL Sample # WW 7655629
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 4.30	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 02:46	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 14:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 14:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 02:46	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14305WAJ026	11/04/2014 07:08	Brian K Graham	1
11010	8270D BNA Extraction	SW-846 3510C	1	14305WAJ026	11/03/2014 09:30	David S Schrum	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/05/2014 23:58	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:58	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:31	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:31	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:31	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:31	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:31	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:07	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32 Surface Water
SED SW PW 2014

LL Sample # WW 7655629
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BSW32

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM 2540 D-1997	1	14308145702A	11/04/2014 11:56	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655630
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15
Reported: 11/07/2014 18:47

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0021 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.158 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0040 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0043 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:02	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7655630
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:33	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:33	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:33	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:33	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:33	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:09	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-32-A Surface Water
SED SW PW 2014

LL Sample # WW 7655631
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BS32A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143041AA	10/31/2014 11:49	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143041AA	10/31/2014 11:49	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-1 Blank Water
SED SW PW 2014

LL Sample # WW 7655632
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BT291

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-1 Blank Water
SED SW PW 2014

LL Sample # WW 7655632
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BT291

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles		SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 17:11	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 13:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 13:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 17:11	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102914-A-1 Blank Water
SED SW PW 2014

LL Sample # WW 7655633
LL Group # 1514779
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/30/2014 09:15

Reported: 11/07/2014 18:47

BT29A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	T143041AA	10/31/2014 12:13	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143041AA	10/31/2014 12:13	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: C143071AA										
Sample number(s): 7655623,7655626,7655632										
Acetone	3.0	U	3.0	5.0	ug/l	96	99	60-139	3	30
Acetonitrile	7.0	U	7.0	20	ug/l	99		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104	100	66-120	4	30
Benzene	0.1	U	0.1	0.5	ug/l	104	100	80-120	3	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	105	103	80-120	2	30
Bromoform	0.1	U	0.1	0.5	ug/l	112	105	72-138	6	30
Bromomethane	0.1	U	0.1	0.5	ug/l	92	88	62-126	4	30
2-Butanone	1.0	U	1.0	5.0	ug/l	104	113	63-137	8	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	110	103	70-128	6	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	112	104	80-135	7	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	108	102	78-120	5	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	105	101	80-120	4	30
Chloroethane	0.1	U	0.1	0.5	ug/l	91	86	68-120	6	30
Chloroform	0.1	U	0.1	0.5	ug/l	106	103	80-120	3	30
Chloromethane	0.2	U	0.2	0.5	ug/l	93	92	55-120	2	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	112	120	64-141	7	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	107	105	80-126	2	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	108	105	80-120	3	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	101	80-120	5	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	133	151	14-166	12	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	106	98	35-142	8	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	102	99	80-120	4	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	102	76-132	5	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	110	104	80-123	5	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	105	103	80-120	2	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	110	104	80-120	6	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	105	100	80-120	4	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	106	105	80-120	2	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	112	109	80-120	2	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	106	104	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	106	101	80-120	5	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	103	100	72-124	3	30
Isobutyl Alcohol	10	U	10	25	ug/l	95	103	73-146	8	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	115	126	59-150	9	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	104	100	80-129	4	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	109	127	56-137	15	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	100	94	71-123	7	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	105	104	80-120	2	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	111	108	75-126	3	30
Propionitrile	2.0	U	2.0	10	ug/l	105	105	67-143	0	30
Styrene	0.1	U	0.1	0.5	ug/l	113	109	80-120	3	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	108	104	80-120	4	30
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	105	104	80-120	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	103	99	80-120	4	30
Toluene	0.1 U	0.1	0.5	ug/l	104	102	80-120	2	30
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	105	100	80-120	5	30
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	104	102	80-120	2	30
Trichloroethene	0.1 U	0.1	0.5	ug/l	108	102	80-120	6	30
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	99	93	64-141	6	30
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	110	104	80-120	5	30
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	135		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	111	106	80-120	4	30

Batch number: C143082AA

Sample number(s): 7655629

Acetone	3.0 U	3.0	5.0	ug/l	89		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	81		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	96		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	103		80-120		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	100		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	97		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	89		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	100		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	104		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	107		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	107		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	92		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	104		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	99		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	104		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	31		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	99		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	107		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	100		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	103		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	86		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	93		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10 U	10.	25	ug/l	104		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	110		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	101		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	101		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	92		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	100		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	108		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	109		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		
Batch number: E143031AA	Sample number(s): 7655623,7655626,7655629,7655632								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	115	116	70-130	0	30
Batch number: T143041AA	Sample number(s): 7655625,7655628,7655631,7655633								
Acrolein	40 U	40.	100	ug/l	80		59-120		
Acrylonitrile	4 U	4.	20	ug/l	105		62-120		
Batch number: 14305WAJ026	Sample number(s): 7655623,7655626,7655629								
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	101	94	56-134	7	30
1,4-Dioxane	1 U	1.	5	ug/l	70	67	39-83	4	30
Diphenyl ether	0.5 U	0.5	1	ug/l	101	92	77-113	9	30
Batch number: 143090027A	Sample number(s): 7655623,7655626,7655629								
Diethylene glycol	8.0 U	8.0	10	mg/l	97		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	96		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	88		46-118		
Batch number: 143070636001	Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630								
Barium	0.00033 U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	97		80-120		
Calcium	0.0609 J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	99		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	98		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	100		80-120		
Magnesium	0.0342 J	0.0167	0.200	mg/l	99		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	97		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	101		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	94		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	86		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0038 J	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143070639001A	Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630								
Antimony	0.00033 U	0.00033	0.0020	mg/l	95		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	92		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	98		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	97		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	94		80-120		
Batch number: 143075713001	Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630								
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
Batch number: 14308145702A	Sample number(s): 7655623,7655626,7655629								

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	98		91-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143071AA	Sample number(s): 7655623,7655626,7655632 UNSPK: P649787								
Acetone	97	103	57-163	6	30				
Acetonitrile	82	84	77-129	3	30				
Allyl Chloride	101	106	61-120	4	30				
Benzene	103	105	87-126	2	30				
Bromodichloromethane	105	106	82-133	1	30				
Bromoform	110	112	60-138	2	30				
Bromomethane	94	96	66-130	2	30				
2-Butanone	102	109	56-160	7	30				
Carbon Disulfide	111	110	84-141	1	30				
Carbon Tetrachloride	115	116	81-148	1	30				
2-Chloro-1,3-butadiene	107	109	78-128	2	30				
Chlorobenzene	108	109	78-133	1	30				
Chloroethane	92	94	70-139	2	30				
Chloroform	106	108	86-136	1	30				
Chloromethane	94	99	49-135	5	30				
1,2-Dibromo-3-chloropropane	115	123	53-163	7	30				
Dibromochloromethane	108	110	79-125	1	30				
1,2-Dibromoethane	107	109	84-127	2	30				
Dibromomethane	106	103	83-126	3	30				
trans-1,4-Dichloro-2-butene	132	142	11-172	7	30				
Dichlorodifluoromethane	107	112	28-136	4	30				
1,1-Dichloroethane	102	103	81-126	2	30				
1,2-Dichloroethane	107	108	82-135	1	30				
1,1-Dichloroethene	111	111	86-132	0	30				
cis-1,2-Dichloroethene	103	105	82-129	2	30				
trans-1,2-Dichloroethene	110	109	88-127	2	30				
1,2-Dichloropropane	103	104	91-126	1	30				
cis-1,3-Dichloropropene	103	107	74-132	3	30				
trans-1,3-Dichloropropene	108	113	71-128	4	30				
Ethyl Methacrylate	105	110	73-134	5	30				
Ethylbenzene	107	109	80-140	2	30				
2-Hexanone	106	108	51-149	3	30				
Isobutyl Alcohol	105	114	65-146	9	30				
Methacrylonitrile	113	118	58-155	4	30				
Methyl Iodide	102	103	71-137	1	30				
Methyl Methacrylate	108	116	48-152	8	30				
4-Methyl-2-pentanone	101	103	69-149	2	30				
Methylene Chloride	103	102	77-135	1	30				
Pentachloroethane	122	119	68-145	3	30				
Propionitrile	105	110	63-147	4	30				
Styrene	115	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Tetrachloroethene	106	109	75-129	3	30				
Toluene	106	109	83-127	3	30				
1,1,1-Trichloroethane	107	108	85-140	1	30				
1,1,2-Trichloroethane	103	107	85-129	3	30				
Trichloroethene	108	108	85-131	0	30				
Trichlorofluoromethane	102	104	73-139	1	30				
1,2,3-Trichloropropane	112	111	76-120	1	30				
Vinyl Acetate	123	123	27-162	0	30				
Xylene (Total)	112	113	81-137	1	30				

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: C143082AA			Sample number(s): 7655629		UNSPK: P658000				
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30			
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30			
Tetrachloroethene	112	109	75-129	2	30			
Toluene	113	110	83-127	3	30			
1,1,1-Trichloroethane	111	109	85-140	2	30			
1,1,2-Trichloroethane	115	108	85-129	6	30			
Trichloroethene	113	111	85-131	2	30			
Trichlorofluoromethane	100	100	73-139	0	30			
1,2,3-Trichloropropane	113	111	76-120	2	30			
Vinyl Acetate	123	118	27-162	4	30			
Xylene (Total)	118	115	81-137	3	30			
Batch number: T143041AA Sample number(s): 7655625,7655628,7655631,7655633 UNSPK: P653246								
Acrolein	86	76	39-136	12	30			
Acrylonitrile	113	111	51-125	2	30			
Batch number: 143090027A Sample number(s): 7655623,7655626,7655629 UNSPK: P658000								
Diethylene glycol	93	90	52-122	4	20			
Ethylene glycol	96	92	54-123	4	20			
Propylene glycol	97	92	55-131	6	20			
Triethylene glycol	83	82	33-123	1	20			
Batch number: 143070636001 Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630 UNSPK: P658000								
BKG: P658000								
Barium	99	100	75-125	0	20	0.0056 J	0.0054 J	3 (1) 20
Beryllium	98	99	75-125	1	20	0.00067 U	0.00067 U	0 (1) 20
Calcium	96	99	75-125	2	20	1.08	1.10	2 (1) 20
Chromium	101	98	75-125	3	20	0.0013 U	0.0013 U	0 (1) 20
Cobalt	102	100	75-125	1	20	0.0010 U	0.0010 U	0 (1) 20
Copper	97	100	75-125	3	20	0.0028 U	0.0028 U	0 (1) 20
Iron	99	103	75-125	3	20	0.299 J	0.292 J	2 (1) 20
Magnesium	98	99	75-125	1	20	0.393	0.378	4 (1) 20
Manganese	97	99	75-125	2	20	0.0263	0.0259	2 (1) 20
Nickel	103	102	75-125	1	20	0.0016 U	0.0016 U	0 (1) 20
Selenium	98	98	75-125	0	20	0.0048 U	0.0048 U	0 (1) 20
Silver	73*	86	75-125	16	20	0.0018 U	0.0018 U	0 (1) 20
Tin	99	100	75-125	1	20	0.0024 U	0.0024 U	0 (1) 20
Vanadium	96	101	75-125	5	20	0.0019 U	0.0019 U	0 (1) 20
Zinc	97	98	75-125	1	20	0.0043 J	0.0037 J	17 (1) 20
Batch number: 143070639001A Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630 UNSPK: P658000								
BKG: P658000								
Antimony	97	93	75-125	3	20	0.00033 U	0.00033 U	0 (1) 20
Arsenic	98	100	75-125	3	20	0.00082 U	0.00082 U	0 (1) 20
Cadmium	103	100	75-125	3	20	0.00017 U	0.00017 U	0 (1) 20
Lead	99	101	75-125	3	20	0.000082 U	0.000082 U	0 (1) 20
Thallium	100	97	75-125	3	20	0.00015 U	0.00015 U	0 (1) 20
Batch number: 143075713001 Sample number(s): 7655623-7655624,7655626-7655627,7655629-7655630 UNSPK: P658000								
BKG: P658000								
Mercury	92	90	80-120	2	20	0.000060 U	0.000060 U	0 (1) 20

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14308145702A	Sample number(s): 7655623,7655626,7655629 BKG: P656312							
Total Suspended Solids					2.00 U	2.00 U	0 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7655623	102	103	98	98
7655626	102	103	98	96
7655632	103	98	98	97
Blank	100	101	97	98
LCS	99	99	99	102
LCSD	100	98	101	102
MS	100	99	100	102
MSD	99	99	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Appendix IX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7655629	103	103	98	98
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143031AA

	Dibromofluoromethane
7655623	101
7655626	101
7655629	101
7655632	103
Blank	103
LCS	101
LCSD	101
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143041AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7655625	108	100	94	100
7655628	112	103	95	103

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 06:47 PM

Group Number: 1514779

Surrogate Quality Control

7655631	112	107	91	100
7655633	114	106	96	101
Blank	107	102	95	99
LCS	102	99	96	101
MS	112	107	95	105
MSD	107	101	94	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14305WAJ026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7655623	90	107	114
7655626	79	96	116
7655629	89	91	113
Blank	92	98	125
LCS	90	96	108
LCSD	87	90	107
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143090027A

	Tetramethylene glycol
7655623	92
7655626	100
7655629	101
Blank	98
LCS	99
MS	95
MSD	96
Limits:	54-136

*- Outside of specification

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Lancaster
Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1514779 Sample Nos.: 7655623-33
 Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: 627617 **30361**
 Cooler Temperature upon receipt: 0.5 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required												Comments:										
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																								
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																								
1300 Staton Road		Release No.:																								
Cedar Mountain NC 28718		PO Number: LBIO-66380																								
Sampler(s): <u>ME, CM</u>		Project Name: SED SW PW 2014																								
Sample Identification				Containers			Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)													Surface Water		
				Volume (ml)	Preserv	No.																		Condition upon receipt:		
<u>SSP14-SW-31</u>				<u>10/29/14</u>	<u>955</u>	<u>WW</u>	<u>500 / 1000</u>	<u>None</u>	<u>2</u>																	<u>Intact</u>
<u>SSP14-SW-31</u>				↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>				<u>X</u>													
<u>SSP14-SW-31</u>				↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>					<u>X</u>												
<u>SSP14-SW-31</u>				↓	↓	<u>WW</u>	<u>250</u>	<u>None</u>	<u>2</u>	<u>X</u>																
<u>SSP14-SW-31</u>				↓	↓	<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>		<u>X</u>															
<u>SSP14-SW-31 -z</u>				↓	↓	<u>WW</u>	<u>250</u>	<u>HNO3</u>	<u>1</u>				<u>X</u>													
Turnaround Time Requested (please circle) : <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:																
Bottles Relinquished by: <u>Alisa Migashko</u>				Date: <u>10/17/14</u>	Time: <u>12:34</u>	Bottles Received by: <u>[Signature]</u>				Date: <u>10/29/14</u>	Time: <u>1200</u>															
Bottles Relinquished by: <u>[Signature]</u>				Date: <u>10/29/14</u>	Time: <u>1300</u>	Bottles Received by:				Date:	Time:															
Bottles Relinquished by:				Date:	Time:	Bottles Received by:				Date:	Time:															
Bottles Relinquished by:				Date:	Time:	Bottles Received by: <u>[Signature]</u>				Date: <u>10/30/14</u>	Time: <u>0915</u>															

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>10/30/2014 9:15</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4 HCL, 2 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 09:54 on 10/30/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.5	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 07, 2014

Project: BRE - SED SW PW

Submittal Date: 10/29/2014

Group Number: 1514400

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SW-09 Surface Water
SSP14-SW-09-Z Filtered Surface Water
SSP14-SW-09-A Surface Water
SSP14-SW-08 Surface Water
SSP14-SW-08-Z Filtered Surface Water
SSP14-SW-08-A Surface Water
TB-102814-1 Blank Water
TB-102814-1-A Blank Water

Lancaster Labs (LL) #

7654075
7654076
7654077
7654078
7654079
7654080
7654081
7654082

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SW-09 Surface Water
SED SW PW 2014

LL Sample # WW 7654075
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.8	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.4 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09 Surface Water
SED SW PW 2014

LL Sample # WW 7654075
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25
Reported: 11/07/2014 09:11

BRE09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.10		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	6.6		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0042 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.92		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.927		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.435		0.0167	0.200	1
07058	Manganese	7439-96-5	0.416		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0072 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09 Surface Water
SED SW PW 2014

LL Sample # WW 7654075
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 3.60	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 20:58	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 13:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 13:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 20:58	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14303WAB026	11/04/2014 01:47	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14303WAB026	10/30/2014 21:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/05/2014 22:59	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143036256013	10/30/2014 11:00	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
01750	Calcium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
01757	Magnesium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:26	Joanne M Gates	1
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014 11:33	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014 11:33	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014 11:33	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014 11:33	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014 11:33	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143035713005	10/31/2014 20:50	Parker D Lindstrom	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014 22:00	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09 Surface Water
SED SW PW 2014

LL Sample # WW 7654075
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE09

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014 22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143035713005	10/30/2014 23:30	Annamaria Kuhns	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14303145701A	10/30/2014 13:15	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7654076
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0046 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.617	0.0334	0.400	1
07058	Manganese	7439-96-5	0.402	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0087 J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:29	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7654076
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:34	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:34	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:34	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:34	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:34	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143035713005	10/31/2014	20:53	Parker D Lindstrom	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143035713005	10/30/2014	23:30	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-09-A Surface Water
SED SW PW 2014

LL Sample # WW 7654077
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE9A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143031AA	10/30/2014 13:12	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143031AA	10/30/2014 13:12	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08 Surface Water
SED SW PW 2014

LL Sample # WW 7654078
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2 J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08 Surface Water
SED SW PW 2014

LL Sample # WW 7654078
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.12		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.2		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0025 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.23		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	1.52		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.282		0.0167	0.200	1
07058	Manganese	7439-96-5	0.371		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0041 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08 Surface Water
SED SW PW 2014

LL Sample # WW 7654078
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 2.40 J	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143071AA	11/03/2014 21:20	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 13:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 13:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 21:20	Kerri E Legerlotz	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14303WAB026	11/04/2014 02:14	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14303WAB026	10/30/2014 21:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/05/2014 23:14	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143036256013	10/30/2014 11:00	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
01750	Calcium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
01757	Magnesium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:33	Joanne M Gates	1
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014 11:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014 11:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014 11:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014 11:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014 11:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143035713005	10/31/2014 20:42	Parker D Lindstrom	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014 22:00	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08 Surface Water
SED SW PW 2014

LL Sample # WW 7654078
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014 22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143035713005	10/30/2014 23:30	Annamaria Kuhns	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14303145701A	10/30/2014 13:15	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7654079
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25
Reported: 11/07/2014 09:11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0025 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	1.46	0.0334	0.400	1
07058	Manganese	7439-96-5	0.374	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0045 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07047	Beryllium	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07051	Chromium	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07052	Cobalt	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07053	Copper	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
01754	Iron	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07061	Nickel	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07036	Selenium	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07066	Silver	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07069	Tin	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07071	Vanadium	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1
07072	Zinc	SW-846 6010C	1	143020636001	10/30/2014 07:44	Joanne M Gates	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7654079
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143020639001A	10/30/2014	11:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143020639001A	10/30/2014	11:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143020639001A	10/30/2014	11:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143020639001A	10/30/2014	11:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143020639001A	10/30/2014	11:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143035713005	10/31/2014	20:55	Parker D Lindstrom	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143020636001	10/29/2014	22:00	Annamaria Kuhns	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143020639001	10/29/2014	22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143035713005	10/30/2014	23:30	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-08-A Surface Water
SED SW PW 2014

LL Sample # WW 7654080
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRE8A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143031AA	10/30/2014 13:36	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143031AA	10/30/2014 13:36	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102814-1 Blank Water
SED SW PW 2014

LL Sample # WW 7654081
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRETB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102814-1 Blank Water
SED SW PW 2014

LL Sample # WW 7654081
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25
Reported: 11/07/2014 09:11

BRETB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles		SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143071AA	11/03/2014 16:49	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143031AA	10/30/2014 12:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143031AA	10/30/2014 12:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143071AA	11/03/2014 16:49	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102814-1-A Blank Water
SED SW PW 2014

LL Sample # WW 7654082
LL Group # 1514400
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/28/2014 14:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/29/2014 09:25

Reported: 11/07/2014 09:11

BRETZ

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143031AA	10/30/2014 12:48	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143031AA	10/30/2014 12:48	Linda C Pape	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: C143071AA	Sample number(s): 7654075,7654078,7654081									
Acetone	3.0	U	3.0	5.0	ug/l	96	99	60-139	3	30
Acetonitrile	7.0	U	7.0	20	ug/l	99		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104	100	66-120	4	30
Benzene	0.1	U	0.1	0.5	ug/l	104	100	80-120	3	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	105	103	80-120	2	30
Bromoform	0.1	U	0.1	0.5	ug/l	112	105	72-138	6	30
Bromomethane	0.1	U	0.1	0.5	ug/l	92	88	62-126	4	30
2-Butanone	1.0	U	1.0	5.0	ug/l	104	113	63-137	8	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	110	103	70-128	6	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	112	104	80-135	7	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	108	102	78-120	5	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	105	101	80-120	4	30
Chloroethane	0.1	U	0.1	0.5	ug/l	91	86	68-120	6	30
Chloroform	0.1	U	0.1	0.5	ug/l	106	103	80-120	3	30
Chloromethane	0.2	U	0.2	0.5	ug/l	93	92	55-120	2	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	112	120	64-141	7	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	107	105	80-126	2	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	108	105	80-120	3	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	101	80-120	5	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	133	151	14-166	12	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	106	98	35-142	8	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	102	99	80-120	4	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	102	76-132	5	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	110	104	80-123	5	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	105	103	80-120	2	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	110	104	80-120	6	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	105	100	80-120	4	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	106	105	80-120	2	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	112	109	80-120	2	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	106	104	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	106	101	80-120	5	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	103	100	72-124	3	30
Isobutyl Alcohol	10	U	10	25	ug/l	95	103	73-146	8	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	115	126	59-150	9	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	104	100	80-129	4	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	109	127	56-137	15	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	100	94	71-123	7	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	105	104	80-120	2	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	111	108	75-126	3	30
Propionitrile	2.0	U	2.0	10	ug/l	105	105	67-143	0	30
Styrene	0.1	U	0.1	0.5	ug/l	113	109	80-120	3	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	108	104	80-120	4	30
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	105	104	80-120	2	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

Analysis Name	Blank		Blank		Report	LCS	LCSD	LCS/LCSD	RPD	RPD
	Result	U	MDL**	LOQ						
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	103	99	80-120	4	30
Toluene	0.1	U	0.1	0.5	ug/l	104	102	80-120	2	30
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	105	100	80-120	5	30
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	104	102	80-120	2	30
Trichloroethene	0.1	U	0.1	0.5	ug/l	108	102	80-120	6	30
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	99	93	64-141	6	30
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	110	104	80-120	5	30
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	135		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	111	106	80-120	4	30
Batch number: E143031AA	Sample number(s): 7654075,7654078,7654081									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	115	116	70-130	0	30
Batch number: N143031AA	Sample number(s): 7654077,7654080,7654082									
Acrolein	40	U	40.	100	ug/l	102		59-120		
Acrylonitrile	4	U	4.	20	ug/l	97		62-120		
Batch number: 14303WAB026	Sample number(s): 7654075,7654078									
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	101	93	56-134	8	30
1,4-Dioxane	1	U	1.	5	ug/l	47	48	39-83	1	30
Diphenyl ether	0.5	U	0.5	1	ug/l	99	93	77-113	5	30
Batch number: 143090027A	Sample number(s): 7654075,7654078									
Diethylene glycol	8.0	U	8.0	10	mg/l	97		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	96		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	88		46-118		
Batch number: 143020636001	Sample number(s): 7654075-7654076,7654078-7654079									
Barium	0.00033	U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	98		80-120		
Calcium	0.0577	J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	97		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	98		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	99		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	101		80-120		
Magnesium	0.0167	U	0.0167	0.200	mg/l	100		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	98		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	99		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	109		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	96		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	102		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143020639001A	Sample number(s): 7654075-7654076,7654078-7654079									
Antimony	0.00033	U	0.00033	0.0020	mg/l	102		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	103		80-120		
Lead	0.000082	U	0.00008	0.0020	mg/l	103		80-120		
Thallium	U		2							
	0.00015	U	0.00015	0.0010	mg/l	101		80-120		
Batch number: 143035713005	Sample number(s): 7654075-7654076,7654078-7654079									
Mercury	0.000060	U	0.00006	0.00020	mg/l	87		80-120		
	U		0							

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14303145701A	Sample number(s): 7654075,7654078								
Total Suspended Solids	1.00 U	1.00	3.00	mg/l	94		91-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143071AA	Sample number(s): 7654075,7654078,7654081 UNSPK: P649787								
Acetone	97	103	57-163	6	30				
Acetonitrile	82	84	77-129	3	30				
Allyl Chloride	101	106	61-120	4	30				
Benzene	103	105	87-126	2	30				
Bromodichloromethane	105	106	82-133	1	30				
Bromoform	110	112	60-138	2	30				
Bromomethane	94	96	66-130	2	30				
2-Butanone	102	109	56-160	7	30				
Carbon Disulfide	111	110	84-141	1	30				
Carbon Tetrachloride	115	116	81-148	1	30				
2-Chloro-1,3-butadiene	107	109	78-128	2	30				
Chlorobenzene	108	109	78-133	1	30				
Chloroethane	92	94	70-139	2	30				
Chloroform	106	108	86-136	1	30				
Chloromethane	94	99	49-135	5	30				
1,2-Dibromo-3-chloropropane	115	123	53-163	7	30				
Dibromochloromethane	108	110	79-125	1	30				
1,2-Dibromoethane	107	109	84-127	2	30				
Dibromomethane	106	103	83-126	3	30				
trans-1,4-Dichloro-2-butene	132	142	11-172	7	30				
Dichlorodifluoromethane	107	112	28-136	4	30				
1,1-Dichloroethane	102	103	81-126	2	30				
1,2-Dichloroethane	107	108	82-135	1	30				
1,1-Dichloroethene	111	111	86-132	0	30				
cis-1,2-Dichloroethene	103	105	82-129	2	30				
trans-1,2-Dichloroethene	110	109	88-127	2	30				
1,2-Dichloropropane	103	104	91-126	1	30				
cis-1,3-Dichloropropene	103	107	74-132	3	30				
trans-1,3-Dichloropropene	108	113	71-128	4	30				
Ethyl Methacrylate	105	110	73-134	5	30				
Ethylbenzene	107	109	80-140	2	30				
2-Hexanone	106	108	51-149	3	30				
Isobutyl Alcohol	105	114	65-146	9	30				
Methacrylonitrile	113	118	58-155	4	30				
Methyl Iodide	102	103	71-137	1	30				
Methyl Methacrylate	108	116	48-152	8	30				
4-Methyl-2-pentanone	101	103	69-149	2	30				
Methylene Chloride	103	102	77-135	1	30				
Pentachloroethane	122	119	68-145	3	30				
Propionitrile	105	110	63-147	4	30				
Styrene	115	117	71-138	2	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30			
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30			
Tetrachloroethene	106	109	75-129	3	30			
Toluene	106	109	83-127	3	30			
1,1,1-Trichloroethane	107	108	85-140	1	30			
1,1,2-Trichloroethane	103	107	85-129	3	30			
Trichloroethene	108	108	85-131	0	30			
Trichlorofluoromethane	102	104	73-139	1	30			
1,2,3-Trichloropropane	112	111	76-120	1	30			
Vinyl Acetate	123	123	27-162	0	30			
Xylene (Total)	112	113	81-137	1	30			
Batch number: N143031AA Sample number(s): 7654077,7654080,7654082 UNSPK: P649485								
Acrolein	103	95	39-136	8	30			
Acrylonitrile	95	95	51-125	0	30			
Batch number: 143090027A Sample number(s): 7654075,7654078 UNSPK: P658000								
Diethylene glycol	93	90	52-122	4	20			
Ethylene glycol	96	92	54-123	4	20			
Propylene glycol	97	92	55-131	6	20			
Triethylene glycol	83	82	33-123	1	20			
Batch number: 143020636001 Sample number(s): 7654075-7654076,7654078-7654079 UNSPK: P649791 BKG: P649791								
Barium	99	98	75-125	0	20	0.0060 J	0.0060 J	0 (1) 20
Beryllium	98	98	75-125	1	20	0.00067 U	0.00067 U	0 (1) 20
Calcium	101	99	75-125	1	20	1.10	1.08	1 (1) 20
Chromium	97	97	75-125	0	20	0.0013 U	0.0013 U	0 (1) 20
Cobalt	99	100	75-125	1	20	0.0010 U	0.0010 U	0 (1) 20
Copper	100	100	75-125	0	20	0.0028 U	0.0028 U	0 (1) 20
Iron	95	98	75-125	3	20	0.207 J	0.204 J	1 (1) 20
Magnesium	102	100	75-125	2	20	0.415	0.410	1 (1) 20
Manganese	99	99	75-125	0	20	0.0845	0.0852	1 20
Nickel	100	101	75-125	1	20	0.0016 U	0.0016 U	0 (1) 20
Selenium	101	100	75-125	0	20	0.0048 U	0.0048 U	0 (1) 20
Silver	110	112	75-125	2	20	0.0018 U	0.0018 U	0 (1) 20
Tin	97	98	75-125	1	20	0.0024 U	0.0024 U	0 (1) 20
Vanadium	103	102	75-125	1	20	0.0019 U	0.0019 U	0 (1) 20
Zinc	99	100	75-125	1	20	0.0026 J	0.0023 J	13 (1) 20
Batch number: 143020639001A Sample number(s): 7654075-7654076,7654078-7654079 UNSPK: P649791 BKG: P649791								
Antimony	107	104	75-125	3	20	0.00033 U	0.00033 U	0 (1) 20
Arsenic	96	102	75-125	6	20	0.00082 U	0.00082 U	0 (1) 20
Cadmium	103	101	75-125	2	20	0.00017 U	0.00017 U	0 (1) 20
Lead	103	103	75-125	0	20	0.000094 J	0.000082 U	200* (1) 20
Thallium	100	107	75-125	7	20	0.00015 U	0.00015 U	0 (1) 20
Batch number: 143035713005 Sample number(s): 7654075-7654076,7654078-7654079 UNSPK: 7654078 BKG: 7654078								
Mercury	91	86	80-120	5	20	0.000060 U	0.000060 U	0 (1) 20
Batch number: 14303145701A Sample number(s): 7654075,7654078 BKG: P654214								
Total Suspended Solids					55.5	56.0	1 (1)	5

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7654075	103	102	97	97
7654078	103	106	98	97
7654081	101	101	96	97
Blank	100	101	97	98
LCS	99	99	99	102
LCSD	100	98	101	102
MS	100	99	100	102
MSD	99	99	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143031AA

	Dibromofluoromethane
7654075	102
7654078	101
7654081	102
Blank	103
LCS	101
LCSD	101
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: N143031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7654077	100	104	97	91
7654080	102	104	97	91
7654082	99	103	98	92
Blank	100	103	97	91
LCS	99	101	101	97
MS	100	102	101	97
MSD	98	100	100	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14303WAB026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7654075	84	93	88
7654078	86	95	57
Blank	109	102	121
LCS	98	98	115
LCSD	85	91	109
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143090027A
Tetramethylene glycol

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/07/14 at 09:11 AM

Group Number: 1514400

Surrogate Quality Control

7654075	97
7654078	98
Blank	98
LCS	99
MS	95
MSD	96

Limits: 54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: Dupont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/29/2014 9:25</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	7
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4-HCL 3 unpres

Unpacked by Brandy Barclay (2299) at 09:48 on 10/29/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	3.0	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 06, 2014

Project: BRE - SED SW PW

Submittal Date: 10/24/2014

Group Number: 1514577

PO Number: LBIO-66380

State of Sample Origin: NC

Client Sample Description

EB-102214 Blank Water

Lancaster Labs (LL) #

7654873

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: **EB-102214 Blank Water**
SED SW PW 2014

LL Sample # **WW 7654873**
LL Group # **1514577**
Account # **06643**

Project Name: **BRE - SED SW PW**

Collected: 10/22/2014 19:20 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 11/06/2014 11:27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000124 J	0.000073	0.00111	1
06953	Copper	7440-50-8	0.00130 U	0.00130	0.00393	1
06955	Lead	7439-92-1	0.000603 U	0.000603	0.00181	1
06961	Nickel	7440-02-0	0.00312 J	0.000638	0.00425	1
06966	Silver	7440-22-4	0.000440 U	0.000440	0.00116	1
06972	Zinc	7440-66-6	0.00380 J	0.000994	0.00764	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000075 U	0.0000075	0.0000748	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:23	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:37	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/06/14 at 11:27 AM

Group Number: 1514577

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143044792001	Sample number(s): 7654873								
Cadmium	0.000127 J	0.00007 3	0.00111	umoles/g	102		80-120		
Copper	0.00130 U	0.00130	0.00394	umoles/g	100		80-120		
Lead	0.000604 U	0.00060 4	0.00181	umoles/g	104		80-120		
Mercury	0.0000075 U	0.00000 75	0.00007 49	umoles/g	71*		80-120		
Nickel	0.000639 U	0.00063 9	0.00426	umoles/g	102		80-120		
Silver	0.000440 U	0.00044 0	0.00116	umoles/g	85		80-120		
Zinc	0.00292 J	0.00099 5	0.00765	umoles/g	105		80-120		
Batch number: 14303163001A	Sample number(s): 7654873								
Acid Volatile Sulfide	0.63 U	0.63	2.0	umoles/g	48		40-95		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143044792001	Sample number(s): 7654873 UNSPK: P654867 BKG: P654867								
Cadmium	88	90	75-125	2	20	0.000071 U	0.000113 J	200* (1)	20
Copper	95	89	75-125	5	20	0.00974	0.0156	46* (1)	20
Lead	89	92	75-125	2	20	0.00569	0.00525	8 (1)	20
Mercury	24*	23*	80-120	5	20	0.0000073 U	0.0000073 U	0 (1)	20
Nickel	111	89	75-125	21*	20	0.0117	0.0517	126* (1)	20
Silver	75	75	75-125	0	20	0.000821 J	0.000745 J	10 (1)	20
Zinc	93	95	75-125	1	20	0.0534	0.0500	7	20
Batch number: 14303163001A	Sample number(s): 7654873 UNSPK: P654867 BKG: P654867								
Acid Volatile Sulfide	44	43	37-119	3	20	0.63 U	0.63 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/06/14 at 11:27 AM

Group Number: 1514577

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DuPont

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 10/24/2014 9:30
 Number of Packages: 8 Number of Projects: 1
 State/Province of Origin: SC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	36
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 24 HCL, 12 Unpreserved

Unpacked by Timothy Cubberley (6520) at 13:20 on 10/24/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.2	DT	Wet	Y	Loose	N
2	DT131	0.4	DT	Wet	Y	Loose	N
3	DT131	1.1	DT	Wet	Y	Loose	N
4	DT131	1.9	DT	Wet	Y	Loose	N
5	DT131	1.5	DT	Wet	Y	Loose	N
6	DT131	1.2	DT	Wet	Y	Loose	N
7	DT131	2.3	DT	Wet	Y	Loose	N
8	DT131	1.1	DT	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
PPS14-SW-04	SSP14-SW-04	
PPS14-SW-04-A	SSP14-SW-04-A	
PPS14-SW-26	SSP14-SW-26	
PPS14-SW-26-A	SSP14-SW-26-A	

Client: DuPont

JH
10/29/14
②

General Comments: One of the SSP-SW-33 vials was empty.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 15, 2014

Project: BRE - SED SW PW

Submittal Date: 10/31/2014

Group Number: 1515222

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SED-05 Sediment
SSP14-SED-06 Sediment
SSP14-SED-07 Sediment
SSP14-SED-27 Sediment
SSP14-SED-14 Sediment
SSP14-SED-31 Sediment
SSP14-SED-32 Sediment

Lancaster Labs (LL) #

7657876
7657877
7657878
7657879
7657880
7657881
7657882

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-05 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657876
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:05 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000254 J	0.000073	0.00221	1
06953	Copper	7440-50-8	0.0156	0.00129	0.00781	1
06955	Lead	7439-92-1	0.00791	0.000599	0.00359	1
06961	Nickel	7440-02-0	0.00440 J	0.000634	0.00845	1
06966	Silver	7440-22-4	0.000437 U	0.000437	0.00230	1
06972	Zinc	7440-66-6	0.0502	0.000987	0.0152	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000074 U	0.0000074	0.000149	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:03	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:03	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:03	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:03	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:03	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:26	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:37	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

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Sample Description: SSP14-SED-06 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657877
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 15:25 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000167 J	0.000072	0.00217	1
06953	Copper	7440-50-8	0.0307	0.00127	0.00767	1
06955	Lead	7439-92-1	0.00467	0.000588	0.00353	1
06961	Nickel	7440-02-0	0.0978	0.000622	0.00830	1
06966	Silver	7440-22-4	0.000429 U	0.000429	0.00226	1
06972	Zinc	7440-66-6	0.0392	0.000969	0.0149	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000092 J	0.0000073	0.000146	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:08	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:08	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:08	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:08	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:08	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:31	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:39	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-07 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657878
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 17:20 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000120 J	0.000071	0.00214	1
06953	Copper	7440-50-8	0.0141	0.00125	0.00757	1
06955	Lead	7439-92-1	0.00337 J	0.000581	0.00348	1
06961	Nickel	7440-02-0	0.0939	0.000614	0.00819	1
06966	Silver	7440-22-4	0.000423 U	0.000423	0.00223	1
06972	Zinc	7440-66-6	0.0392	0.000956	0.0147	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000072 U	0.0000072	0.000144	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 14:11	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 14:11	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 14:11	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 14:11	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 14:11	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 11:44	Eric L Eby	1
00159	Mercury	SW-846 7471B	2	143163449001	11/13/2014 10:15	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-27 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657879
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 16:45 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000112 J	0.000072	0.00219	1
06953	Copper	7440-50-8	0.0140	0.00128	0.00775	1
06955	Lead	7439-92-1	0.00295 J	0.000595	0.00357	1
06961	Nickel	7440-02-0	0.0346	0.000629	0.00839	1
06966	Silver	7440-22-4	0.000434 U	0.000434	0.00228	1
06972	Zinc	7440-66-6	0.0453	0.000980	0.0151	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000074 U	0.0000074	0.000147	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:12	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:12	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:12	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:12	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:12	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:35	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:41	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

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Sample Description: SSP14-SED-14 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657880
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:35 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000141 J	0.000070	0.00213	1
06953	Copper	7440-50-8	0.0214	0.00125	0.00755	1
06955	Lead	7439-92-1	0.00609	0.000579	0.00347	1
06961	Nickel	7440-02-0	0.108	0.000612	0.00816	1
06966	Silver	7440-22-4	0.000422 U	0.000422	0.00222	1
06972	Zinc	7440-66-6	0.0261	0.000953	0.0147	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000072 U	0.0000072	0.000144	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:16	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:16	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:16	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:16	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:16	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:39	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:43	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-31 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657881
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 09:55 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000088 J	0.000071	0.00215	1
06953	Copper	7440-50-8	0.00721 J	0.00125	0.00760	1
06955	Lead	7439-92-1	0.00409	0.000583	0.00350	1
06961	Nickel	7440-02-0	0.0572	0.000617	0.00823	1
06966	Silver	7440-22-4	0.000425 U	0.000425	0.00224	1
06972	Zinc	7440-66-6	0.0138 J	0.000961	0.0148	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000072 U	0.0000072	0.000145	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:20	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:20	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:20	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:20	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:20	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:43	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:45	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-32 Sediment
AVS
SED SW PW 2014

LL Sample # SW 7657882
LL Group # 1515222
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/29/2014 10:15 by ME

CRG-E.I.DuPont de Nemours & Co

Submitted: 10/31/2014 09:15

URS Corporation

Reported: 11/15/2014 10:40

Iron Hill Corporate Center

4051 Ogletown Road, Suite 300

Newark DE 19713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000226 J	0.000071	0.00215	1
06953	Copper	7440-50-8	0.0206	0.00126	0.00761	1
06955	Lead	7439-92-1	0.0188	0.000584	0.00350	1
06961	Nickel	7440-02-0	0.000889 J	0.000618	0.00824	1
06966	Silver	7440-22-4	0.000426 U	0.000426	0.00224	1
06972	Zinc	7440-66-6	0.0256	0.000962	0.0148	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000072 U	0.0000072	0.000145	1
These samples were accepted with a Non-conformance form due to the LCS reading out of specification at 56% the window is 80%-120%.						
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	3	143163449001	11/13/2014 15:24	Eric L Eby	1
06953	Copper	SW-846 6010C	3	143163449001	11/13/2014 15:24	Eric L Eby	1
06955	Lead	SW-846 6010C	3	143163449001	11/13/2014 15:24	Eric L Eby	1
06961	Nickel	SW-846 6010C	3	143163449001	11/13/2014 15:24	Eric L Eby	1
06966	Silver	SW-846 6010C	3	143163449001	11/13/2014 15:24	Eric L Eby	1
06972	Zinc	SW-846 6010C	3	143163449001	11/14/2014 12:47	Eric L Eby	1
00159	Mercury	SW-846 7471B	1	143163449001	11/13/2014 10:48	Damary Valentin	1
13449	Non-digest metals - U4	SW-846 3050B	1	143163449001	11/12/2014 07:45	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14309163001A	11/05/2014 08:55	Susan E Hibner	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/15/14 at 10:40 AM

Group Number: 1515222

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143163449001	Sample number(s): 7657876-7657882								
Cadmium	0.000073 U	0.00007 3	0.00223	umoles/g	107		80-120		
Copper	0.00262 J	0.00130	0.00787	umoles/g	103		80-120		
Lead	0.000604 U	0.00060 4	0.00362	umoles/g	103		80-120		
Mercury	0.0000075 U	0.00000 75	0.00015 0	umoles/g	56*		80-120		
Nickel	0.000639 U	0.00063 9	0.00852	umoles/g	106		80-120		
Silver	0.000440 U	0.00044 0	0.00232	umoles/g	102		80-120		
Zinc	0.0101 J 5	0.00099	0.0153	umoles/g	107		80-120		
Batch number: 14309163001A	Sample number(s): 7657876-7657882								
Acid Volatile Sulfide	0.63 U	0.63	2.0	umoles/g	48		40-95		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143163449001	Sample number(s): 7657876-7657882 UNSPK: 7657878 BKG: 7657878								
Cadmium	98	99	75-125	0	20	0.000120 J	0.000155 J	25* (1)	20
Copper	86	93	75-125	7	20	0.0141	0.00578 J	84* (1)	20
Lead	97	99	75-125	2	20	0.00337 J	0.00362	7 (1)	20
Mercury	79	114	75-125	36*	20	0.0000072 U	0.0000073 U	0 (1)	20
Nickel	55*	56*	75-125	0	20	0.0939	0.00104 J	196* (1)	20
Silver	91	91	75-125	1	20	0.000423 U	0.000431 U	0 (1)	20
Zinc	95	100	75-125	4	20	0.0392	0.0319	20 (1)	20
Batch number: 14309163001A	Sample number(s): 7657876-7657882 UNSPK: 7657878 BKG: 7657878								
Acid Volatile Sulfide	48	46	37-119	5	20	0.63 U	0.63 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/15/14 at 10:40 AM

Group Number: 1515222

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1515222 Sample Nos.: 7657876-82

Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: 226391 **30333**

Cooler Temperature upon receipt: 0.9 °C Container No.: 1

Facility Name: Brevard				Project Manager: Tracy Obvey				Analyses Required APIX SVs+site specific cmpds (8270D) AVS (EPA-821-R-91-100) Glycols (8015C) Grain Size (ASTM D422) APIX Metals+Fe,Mn (6010/6020/7471B) Moisture (2540 G) NO2 (300.0) NO3 (300.0) TOC (SW-846 9060A) mod										Comments:					
Facility Contact: Chet Meinzer				Facility Contact Phone No.: 828-862-8379																			
Facility Address: DuPont Brevard				Job No.: 9267-7720100CWH06504681																			
1300 Staton Road				Release No.:																			
Cedar Mountain NC 28718				PO Number: LBIO-66380																			
Sampler(s): <u>ME, HL</u>																							
Project Name: SED SW PW 2014																							
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod							Condition upon receipt:	
				Volume (ml)	Preserv	No.																	
SSP14-SED- <u>31</u>	<u>10/29/14</u>	<u>9:55</u>	SW	125	None	1	X				X	X			X								<u>Intact</u>
SSP14-SED- <u>31</u>	↓	↓	SW	125	None	1		X															
SSP14-SED- <u>31</u>	↓	↓	SW	500	None	1			X														
SSP14-SED- <u>31</u>	↓	↓	SW	125	None	1		X															
SSP14-SED- <u>32</u>	↓	<u>10/5</u>	SW	125	None	1	X				X	X			X								
SSP14-SED- <u>32</u>	↓	↓	SW	125	None	1		X															
SSP14-SED- <u>32</u>	↓	↓	SW	500	None	1			X														
SSP14-SED- <u>32</u>	↓	↓	SW	125	None	1		X															

Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:			
Bottles Relinquished by: <u>Dr. Megashko</u>	Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>M. L. S.</u>		Date: <u>10/27/14</u>	Time: <u>1300</u>	
Bottles Relinquished by: <u>M. L. S.</u>	Date: <u>10/30/14</u>	Time: <u>1300</u>	Bottles Received by: <u>[Signature]</u>		Date:	Time:	
Bottles Relinquished by:	Date:	Time:	Bottles Received by:		Date:	Time:	
Bottles Relinquished by:	Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>10/31/14</u>	Time: <u>0915</u>	

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 10/31/2014 9:15
 Number of Packages: 4 Number of Projects: 2
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	No	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	No	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Corey Eshleman (3647) at 10:17 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.9	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N

Samples Not Intact Details: SED SW PW 2014

Sample ID on Label	Bottle Code	Bottle Quantity	Container Salvageable?	Comments
SSP14-SED-05	40 ml glass vial - MeOH	1	N	SOIL VIALS WERE NOT IN FOAM HOLDERS.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

October 31, 2014

Project: BRE - SED SW PW

Submittal Date: 10/24/2014

Group Number: 1513608

PO Number: LBIO-67047

State of Sample Origin: NC

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SSP14-PW-10 Pore Water	7649687
SSP14-PW-10-A Pore Water	7649688
SSP14-PW-26 Pore Water	7649689
SSP14-PW-26-A Pore Water	7649690
SSP14-PW-09 Pore Water	7649691
SSP14-PW-09-A Pore Water	7649692
SSP14-PW-30 Pore Water	7649693
SSP14-PW-30-A Pore Water	7649694
SSP14-PW-29 Pore Water	7649695
SSP14-PW-29-A Pore Water	7649696
SSP14-PW-04 Pore Water	7649697
SSP14-PW-04 MS Pore Water	7649698
SSP14-PW-04 MSD Pore Water	7649699
SSP14-PW-04-A Pore Water	7649700
SSP14-PW-04-A MS Pore Water	7649701
SSP14-PW-04-A MSD Pore Water	7649702
SSP14-PW-04-D Pore Water	7649703
SSP14-PW-04-D-A Pore Water	7649704
SSP14-PW-BALLFIELD Pore Water	7649705
SSP14-PW-BALLFIELD-A Pore Water	7649706
TB-102114-3 Blank Water	7649707
TB-102114-3-A Blank Water	7649708
TB-102314-3 Blank Water	7649709
TB-102314-3-A Blank Water	7649710

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-PW-10 Pore Water
SED SW PW 2014

LL Sample # WW 7649687
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30
Reported: 10/31/2014 11:45

BRP10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 J		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-10 Pore Water
SED SW PW 2014

LL Sample # WW 7649687
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.016 J	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 15:12	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 14:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 14:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 15:12	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 20:17	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-10-A Pore Water
SED SW PW 2014

LL Sample # WW 7649688
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142971AA	10/24/2014 17:19	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142971AA	10/24/2014 17:19	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-26 Pore Water
SED SW PW 2014

LL Sample # WW 7649689
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 08:55 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	2.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.5 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.7 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.2 J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-26 Pore Water
SED SW PW 2014

LL Sample # WW 7649689
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 08:55 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	3.6	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	6	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 15:34	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 15:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 15:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 15:34	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 20:44	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-26-A Pore Water
SED SW PW 2014

LL Sample # WW 7649690
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 08:55 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 15:33	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 15:33	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-09 Pore Water
SED SW PW 2014

LL Sample # WW 7649691
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 16:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U		7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U		0.1	0.5	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U		10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U		0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U		2.0	10	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3 J		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-09 Pore Water
SED SW PW 2014

LL Sample # WW 7649691
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 16:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 15:56	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 15:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 15:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 15:56	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 21:12	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-09-A Pore Water
SED SW PW 2014

LL Sample # WW 7649692
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 16:50 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 15:55	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 15:55	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-30 Pore Water
SED SW PW 2014

LL Sample # WW 7649693
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:35 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-30 Pore Water
SED SW PW 2014

LL Sample # WW 7649693
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:35 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
	SW-846 8260B 25mL		ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
	SW-846 8260B SIM		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS Semivolatiles						
	SW-846 8270D		ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 16:19	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 15:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 15:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 16:19	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 21:39	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-30-A Pore Water
SED SW PW 2014

LL Sample # WW 7649694
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 17:35 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 16:17	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 16:17	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-29 Pore Water
SED SW PW 2014

LL Sample # WW 7649695
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-29 Pore Water
SED SW PW 2014

LL Sample # WW 7649695
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 16:41	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 16:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 16:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 16:41	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 22:06	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-29-A Pore Water
SED SW PW 2014

LL Sample # WW 7649696
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 18:10 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 16:39	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 16:39	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 Pore Water
SED SW PW 2014

LL Sample # WW 7649697
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 J	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 Pore Water
SED SW PW 2014

LL Sample # WW 7649697
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 12:56	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 13:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 13:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 12:56	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/26/2014 19:17	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 MS Pore Water
SED SW PW 2014

LL Sample # WW 7649698
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	36	3.0	5.0	1
02898	Acetonitrile	75-05-8	49	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.5	0.1	0.5	1
02898	Bromoform	75-25-2	5.3	0.1	0.5	1
02898	Bromomethane	74-83-9	4.8	0.1	0.5	1
02898	2-Butanone	78-93-3	38	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.3	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.7	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.7	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	4.9	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	4.8	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.2	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.6	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.5	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	14	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.2	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.5	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.3	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.3	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.3	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.6	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.6	0.1	0.5	1
02898	2-Hexanone	591-78-6	30	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	150	10	25	1
02898	Methacrylonitrile	126-98-7	38	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.9	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.9	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.2	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.2	0.2	0.5	1
02898	Propionitrile	107-12-0	37	2.0	10	1
02898	Styrene	100-42-5	5.9	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.7	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.6	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Toluene	108-88-3	5.4	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.3	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.6	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.5	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 MS Pore Water
SED SW PW 2014

LL Sample # WW 7649698
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	17	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.56	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	34	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 13:18	Kerri E Legerlotz	1
	purge						
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 14:04	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 13:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 13:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 13:18	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143031AA	10/30/2014 14:04	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/26/2014 19:44	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 MSD Pore Water
SED SW PW 2014

LL Sample # WW 7649699
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	37	3.0	5.0	1
02898	Acetonitrile	75-05-8	52	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.0	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	5.2	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	39	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.2	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.5	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.5	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.4	0.1	0.5	1
02898	Chloroethane	75-00-3	5.4	0.1	0.5	1
02898	Chloroform	67-66-3	5.3	0.1	0.5	1
02898	Chloromethane	74-87-3	5.3	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.4	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.3	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.6	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	9.9	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.2	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.1	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.2	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.1	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.7	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.1	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.6	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.5	0.1	0.5	1
02898	2-Hexanone	591-78-6	31	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	39	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.8	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.1	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.0	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.5	0.2	0.5	1
02898	Propionitrile	107-12-0	39	2.0	10	1
02898	Styrene	100-42-5	5.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.1	0.1	0.5	1
02898	Toluene	108-88-3	5.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.6	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.4	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.8	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04 MSD Pore Water
SED SW PW 2014

LL Sample # WW 7649699
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	18	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.55	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	35	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 13:41	Kerri E Legerlotz	1
	purge						
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 14:26	Kerri E Legerlotz	1
	purge						
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 14:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 14:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 13:41	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143031AA	10/30/2014 14:26	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/26/2014 20:11	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-A Pore Water
SED SW PW 2014

LL Sample # WW 7649700
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 17:01	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 17:01	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-A MS Pore Water
SED SW PW 2014

LL Sample # WW 7649701
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	67 J		40	100	1
10335	Acrylonitrile	107-13-1	82		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 17:23	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 17:23	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-A MSD Pore Water
SED SW PW 2014

LL Sample # WW 7649702
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	65 J		40	100	1
10335	Acrylonitrile	107-13-1	84		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 17:45	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 17:45	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-D Pore Water
SED SW PW 2014

LL Sample # WW 7649703
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 J	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-D Pore Water
SED SW PW 2014

LL Sample # WW 7649703
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRP4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
		SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS Semivolatiles						
		SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 17:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 16:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 16:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 17:04	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 22:34	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-04-D-A Pore Water
SED SW PW 2014

LL Sample # WW 7649704
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPA4D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 18:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 18:07	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-BALLFIELD Pore Water
SED SW PW 2014

LL Sample # WW 7649705
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 11:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRPBL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-BALLFIELD Pore Water
SED SW PW 2014

LL Sample # WW 7649705
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 11:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRPBL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,4-Dioxane	123-91-1	1 U	1	5	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143031AA	10/30/2014 17:26	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 16:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 16:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 17:26	Kerri E Legerlotz	1
10461	1,4-Dioxane	SW-846 8270D	1	14298WAC026	10/27/2014 23:01	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-PW-BALLFIELD-A Pore Water
SED SW PW 2014

LL Sample # WW 7649706
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 11:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BPABL

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 18:29	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 18:29	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649707
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRTB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649707
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRTB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 12:33	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 12:25	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 12:25	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 12:33	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102114-3-A Blank Water
SED SW PW 2014

LL Sample # WW 7649708
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 17:00 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRAT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142971AA	10/24/2014 16:57	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142971AA	10/24/2014 16:57	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649709
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRTB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-3 Blank Water
SED SW PW 2014

LL Sample # WW 7649709
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRTB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
		SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles						
		SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL	1	C143031AA	10/30/2014 17:49	Kerri E Legerlotz	1
		purge					
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143011AA	10/28/2014 12:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143011AA	10/28/2014 12:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143031AA	10/30/2014 17:49	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-102314-3-A Blank Water
SED SW PW 2014

LL Sample # WW 7649710
LL Group # 1513608
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 09:45 by TO

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/24/2014 09:30

Reported: 10/31/2014 11:45

BRAT3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	L142981AA	10/25/2014 15:11	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L142981AA	10/25/2014 15:11	Amanda K Richards	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 11:45 AM

Group Number: 1513608

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143031AA									
Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705,7649707,7649709									
Acetone	3.0 U	3.0	5.0	ug/l	105		60-139		
Acetonitrile	7.0 U	7.0	20	ug/l	134		50-145		
Allyl Chloride	0.1 U	0.1	0.5	ug/l	103		66-120		
Benzene	0.1 U	0.1	0.5	ug/l	103		80-120		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	105		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	97		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	100		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	107		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	103		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	114		80-135		
2-Chloro-1,3-butadiene	0.1 U	0.1	0.5	ug/l	111		78-120		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	106		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	96		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	108		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	98		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	98		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	104		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	111		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	110		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	95		14-166		
Dichlorodifluoromethane	0.1 U	0.1	0.5	ug/l	107		35-142		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	114		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	108		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	108		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	105		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	102		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	108		80-120		
Ethyl Methacrylate	0.1 U	0.1	0.5	ug/l	106		70-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	108		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	110		72-124		
Isobutyl Alcohol	10 U	10	25	ug/l	104		73-146		
Methacrylonitrile	1.0 U	1.0	5.0	ug/l	109		59-150		
Methyl Iodide	0.1 U	0.1	0.5	ug/l	102		80-129		
Methyl Methacrylate	0.1 U	0.1	0.5	ug/l	108		56-137		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	104		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	106		80-120		
Pentachloroethane	0.2 U	0.2	0.5	ug/l	107		75-126		
Propionitrile	2.0 U	2.0	10	ug/l	105		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	113		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 11:45 AM

Group Number: 1513608

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	104		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	105		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	108		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	105		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	142		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	110		80-120		

Batch number: E143011AA Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705,7649707,7649709

Vinyl Chloride 0.010 U 0.010 0.050 ug/l 106 70-130

Batch number: L142971AA Sample number(s): 7649688,7649708

Acrolein 40 U 40. 100 ug/l 97 59-120

Acrylonitrile 4 U 4. 20 ug/l 86 62-120

Batch number: L142981AA Sample number(s): 7649690,7649692,7649694,7649696,7649700-

Acrolein 40 U 40. 100 ug/l 70 59-120

Acrylonitrile 4 U 4. 20 ug/l 89 62-120

Batch number: 14298WAC026 Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705

1,4-Dioxane 1 U 1. 5 ug/l 67 39-83

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143031AA	Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705,7649707,7649709 UNSPK: 7649697								
Acetone	97	98	57-163	1	30				
Acetonitrile	131*	138*	77-129	5	30				
Allyl Chloride	103	102	61-120	1	30				
Benzene	103	100	87-126	3	30				
Bromodichloromethane	110	106	82-133	3	30				
Bromoform	107	103	60-138	3	30				
Bromomethane	97	103	66-130	6	30				
2-Butanone	102	103	56-160	1	30				
Carbon Disulfide	106	103	84-141	3	30				
Carbon Tetrachloride	114	110	81-148	4	30				
2-Chloro-1,3-butadiene	113	109	78-128	4	30				
Chlorobenzene	110	108	78-133	1	30				
Chloroethane	98	108	70-139	9	30				
Chloroform	109	105	86-136	3	30				
Chloromethane	96	105	49-135	9	30				
1,2-Dibromo-3-chloropropane	105	108	53-163	3	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 11:45 AM

Group Number: 1513608

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromochloromethane	110	107	79-125	3	30				
1,2-Dibromoethane	112	113	84-127	1	30				
Dibromomethane	109	106	83-126	3	30				
trans-1,4-Dichloro-2-butene	55	40	11-172	31*	30				
Dichlorodifluoromethane	108	114	28-136	5	30				
1,1-Dichloroethane	104	100	81-126	3	30				
1,2-Dichloroethane	111	109	82-135	2	30				
1,1-Dichloroethene	109	104	86-132	5	30				
cis-1,2-Dichloroethene	104	101	82-129	2	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	106	102	91-126	3	30				
cis-1,3-Dichloropropene	97	94	74-132	3	30				
trans-1,3-Dichloropropene	105	103	71-128	2	30				
Ethyl Methacrylate	112	113	73-134	1	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	120	122	51-149	2	30				
Isobutyl Alcohol	117	113	65-146	4	30				
Methacrylonitrile	102	103	58-155	1	30				
Methyl Iodide	98	96	71-137	2	30				
Methyl Methacrylate	98	102	48-152	4	30				
4-Methyl-2-pentanone	112	114	69-149	2	30				
Methylene Chloride	103	100	77-135	3	30				
Pentachloroethane	103	109	68-145	6	30				
Propionitrile	100	105	63-147	5	30				
Styrene	118	116	71-138	2	30				
1,1,1,2-Tetrachloroethane	115	112	87-126	2	30				
1,1,2,2-Tetrachloroethane	113	114	75-131	1	30				
Tetrachloroethene	106	103	75-129	3	30				
Toluene	106	104	83-127	2	30				
1,1,1-Trichloroethane	107	105	85-140	2	30				
1,1,2-Trichloroethane	112	112	85-129	0	30				
Trichloroethene	110	108	85-131	2	30				
Trichlorofluoromethane	110	117	73-139	6	30				
1,2,3-Trichloropropane	112	113	76-120	1	30				
Vinyl Acetate	140	143	27-162	2	30				
Xylene (Total)	113	113	81-137	0	30				

Batch number: E143011AA Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705,7649707,7649709 UNSPK: 7649697

Vinyl Chloride 112 109 70-130 3 30

Batch number: L142971AA Sample number(s): 7649688,7649708 UNSPK: P648045

Acrolein 95 92 39-136 3 30

Acrylonitrile 83 86 51-125 3 30

Batch number: L142981AA Sample number(s): 7649690,7649692,7649694,7649696,7649700-

7649702,7649704,7649706,7649710 UNSPK: 7649700

Acrolein 45 43 39-136 4 30

Acrylonitrile 82 84 51-125 3 30

Batch number: 14298WAC026 Sample number(s): 7649687,7649689,7649691,7649693,7649695,7649697-7649699,7649703,7649705 UNSPK: 7649697

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 11:45 AM

Group Number: 1513608

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
1,4-Dioxane	67	68	48-83	2	30			

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles

Batch number: C143031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649687	106	104	98	100
7649689	106	103	99	101
7649691	107	105	100	100
7649693	106	104	99	99
7649695	105	103	99	100
7649697	106	102	99	100
7649698	101	101	102	106
7649699	102	100	103	105
7649703	106	103	100	100
7649705	106	104	99	100
7649707	106	104	99	100
7649709	107	102	98	100
Blank	104	103	99	102
LCS	104	104	102	106
MS	101	101	102	106
MSD	102	100	103	105
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride

Batch number: E143011AA

	Dibromofluoromethane
7649687	99
7649689	101
7649691	100
7649693	100
7649695	101
7649697	101
7649698	101
7649699	99
7649703	99
7649705	100
7649707	100
7649709	100
Blank	101
LCS	100
MS	101
MSD	99
Limits:	80-120

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/31/14 at 11:45 AM

Group Number: 1513608

Surrogate Quality Control

Analysis Name: Acrolein, Acrylonitrile
Batch number: L142971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649688	97	100	95	90
7649708	99	102	94	90
Blank	97	100	95	90
LCS	96	101	97	93
MS	96	100	97	93
MSD	97	102	97	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Acrolein, Acrylonitrile
Batch number: L142981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649690	99	99	95	89
7649692	99	101	95	90
7649694	99	102	94	89
7649696	100	103	94	90
7649700	99	100	95	89
7649701	95	99	97	94
7649702	95	97	97	93
7649704	97	99	95	89
7649706	98	101	95	90
7649710	98	100	95	89
Blank	97	100	95	90
LCS	97	101	97	93
MS	95	99	97	94
MSD	95	97	97	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,4-Dioxane
Batch number: 14298WAC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7649687				93	90	101
7649689				95	91	102
7649691				92	90	91
7649693				91	89	107
7649695				93	93	106
7649697	36	46	64	92	90	100
7649698	48	63	79	93	88	97
7649699	51	66	84	96	90	101
7649703				92	90	98
7649705				92	91	111
Blank	48	71	98	93	90	111
LCS	56	76	101	95	89	103
MS	48	63	79	93	88	97
MSD	51	66	84	96	90	101
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513608 Sample Nos.: 7649687-710

Acc't: 06643 SF: 217503 SCR No.: 163061 Cooler No.: 27445 **30348**

Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379													3 day holding time for acrolein and acrylonitrile						
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): <u>T. Obvey, M. Epps, C. Burdorf, K. Teague</u>		Project Name: <u>SED SW PW 2014</u>													Pore Water						
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*										Condition upon receipt: <u>Intact</u>	
<u>SSP14-PW-10</u>		<u>10/21/14</u>	<u>1700</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-10-A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
<u>SSP14-PW-26</u>		<u>10/22/14</u>	<u>0855</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-26-A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
<u>SSP14-PW-09</u>		<u>10/22/14</u>	<u>1650</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-09-A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
<u>SSP14-PW-30</u>		<u>10/22/14</u>	<u>1735</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-30-A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
<u>SSP14-PW-29</u>		<u>10/22/14</u>	<u>1810</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-29-A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions: *3 Day Holding Time														
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/21/14</u>	Time: <u>16:05</u>	Bottles Received by: <u>[Signature]</u>		Date: <u>10/20/14</u>	Time: <u>1200</u>														
Bottles Relinquished by: <u>[Signature]</u>		Date: <u>10/23/14</u>	Time: <u>1215</u>	Bottles Received by:		Date:	Time:														
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:														
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>[Signature]</u>		Date: <u>10-24-14</u>	Time: <u>0930</u>														



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513608 Sample Nos.: 7049687

Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.: _____

Cooler Temperature upon receipt: 1.9 °C Container No.: 4

30342

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required										Comments:						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																			
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																			
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): <u>M. Epps, C. Burdorf, K. Teague, T. Obvey</u>		Project Name: SED SW PW 2014																			
Sample Identification				Containers			1,4-Dioxane (8270D)											Pore Water			
				Date Collected	Time Collected	Matrix												Volume (ml)	Preserv	No.	Condition upon receipt. (6241)
<u>SSP14-PW-10</u>				<u>10/21/14</u>	<u>1700</u>	<u>WW</u>	<u>250</u>	<u>None</u>	<u>2</u>	<u>X</u>											<u>In tact</u>
<u>SSP14-PW-26</u>				<u>10/22/14</u>	<u>0855</u>	<u>WW</u>	<u>250</u>	<u>NONE</u>	<u>2</u>	<u>X</u>											
<u>SSP14-PW-09</u>				<u>10/22/14</u>	<u>1050</u>	<u>WW</u>	<u>250</u>	<u>NONE</u>	<u>2</u>	<u>X</u>											
<u>SSP14-PW-30</u>				<u>10/22/14</u>	<u>1735</u>	<u>WW</u>	<u>250</u>	<u>NONE</u>	<u>2</u>	<u>X</u>											
<u>SSP14-PW-29</u>				<u>10/22/14</u>	<u>1810</u>	<u>WW</u>	<u>250</u>	<u>NONE</u>	<u>2</u>	<u>X</u>											
<u>SSP14-PW-04</u>				<u>10/23/14</u>	<u>0945</u>	<u>WW</u>	<u>250</u>	<u>NONE</u>	<u>2</u>	<u>X</u>											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>				Special Instructions:																	
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date:		Time:											
<u>Tracy Obvey</u>		<u>10/23/14</u>		<u>1215</u>		<u>Tracy Obvey</u>		<u>10/20/14</u>		<u>1200</u>											
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date:		Time:											
Bottles Relinquished by:		Date		Time		Bottles Received by:		Date:		Time:											



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1513608 Sample Nos.: 7649687-710

Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.: _____

30347

Cooler Temperature upon receipt: 1.9 °C Container No.: 4

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments: 3 day holding time for acrolein and acrylonitrile								
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																				
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																				
1300 Staton Road		Release No.:																				
Cedar Mountain NC 28718		PO Number: LBIO-66380																				
Sampler(s): <u>T. Orbey, M. Epps, K. Teague, C. Burdorf</u>																						
Project Name: SED SW PW 2014																						
			Containers				APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*											Pore Water		
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)				Preserv	No.	Condition upon receipt:										
<u>SSP14-PW-04</u>			<u>10/23/14</u>	<u>0945</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>MS</u>	
<u>SSP14-PW-04 A</u>			<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>											<u>MS</u>
<u>SSP14-PW-04</u>			<u>↓</u>	<u>0945</u>	<u>↓</u>	<u>↓</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											<u>MSD</u>	
<u>SSP14-PW-04-A</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>NONE</u>	<u>3</u>			<u>X</u>											<u>MSD</u>
<u>SSP14-PW-04-D</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>												
<u>SSP14-PW-04-D-A</u>			<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>NONE</u>	<u>3</u>			<u>X</u>											
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>												Special Instructions: *3 Day Holding Time										
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:													
<u>Tracy Orbey</u>			<u>10/23/14</u>	<u>2100</u>	<u>Tracy Orbey</u>			<u>10/20/14</u>	<u>1200</u>													
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:													
_____			_____	_____	_____			_____	_____													
Bottles Relinquished by:			Date	Time	Bottles Received by:			Date:	Time:													
_____			_____	_____	_____			<u>10-24-14</u>	<u>930</u>													



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1513608 Sample Nos.: 7649687-710

Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.: _____

30348

Cooler Temperature upon receipt: 1.9 °C Container No.: 4

Facility Name: Brevard		Project Manager: Tracy Obvey			Analyses Required												Comments:					
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379															3 day holding time for acrolein and acrylonitrile					
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																				
1300 Staton Road		Release No.:																				
Cedar Mountain NC 28718		PO Number: LBIO-66380																				
Sampler(s): <u>T. Obvey, M. Epps, K. Teague, C. Burdorf</u>		Project Name: SED SW PW 2014																				
Sample Identification		Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	APIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*													Pore Water
																						Condition upon receipt: <u>Intact</u>
<u>SSPI4-PW-BALLFIELD</u>		<u>10/23/14</u>	<u>1145</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>													
<u>SSPI4-PW-BALLFIELD -A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>		<u>X</u>													
<u>TB - 102314-3</u>		<u>↓</u>	<u>0945</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>4</u>	<u>X</u>	<u>X</u>													
<u>TB - 102314-3 -A</u>		<u>↓</u>	<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>		<u>X</u>													
Turnaround Time Requested (please circle):		<u>Standard</u>		RUSH	Number of days: <u>8</u>		Special Instructions: *3 Day Holding Time															
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:															
<u>T. Obvey</u>		<u>10/23/14</u>	<u>2100</u>	<u>T. Obvey</u>		<u>10/20/14</u>	<u>1200</u>															
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:															
_____		_____	_____	_____		_____	_____															
Bottles Relinquished by:		Date	Time	Bottles Received by:		Date:	Time:															
_____		_____	_____	_____		<u>10.24.14</u>	<u>930</u>															

Client: DuPont

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/24/2014 9:30</u>
Number of Packages:	<u>8</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>SC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	36
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 24 HCL, 12 Unpreserved

Unpacked by Timothy Cubberley (6520) at 13:20 on 10/24/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.2	DT	Wet	Y	Loose	N
2	DT131	0.4	DT	Wet	Y	Loose	N
3	DT131	1.1	DT	Wet	Y	Loose	N
4	DT131	1.9	DT	Wet	Y	Loose	N
5	DT131	1.5	DT	Wet	Y	Loose	N
6	DT131	1.2	DT	Wet	Y	Loose	N
7	DT131	2.3	DT	Wet	Y	Loose	N
8	DT131	1.1	DT	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
PPS14-SW-04	SSP14-SW-04	
PPS14-SW-04-A	SSP14-SW-04-A	
PPS14-SW-26	SSP14-SW-26	
PPS14-SW-26-A	SSP14-SW-26-A	



Lancaster Laboratories
Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 36375
Group Number(s): 1513608

Client: DuPont

General Comments: One of the SSP-SW-33 vials was empty.

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 19, 2014

Project: BRE - SED SW PW

Submittal Date: 10/25/2014

Group Number: 1514575

PO Number: LBIO-66380

State of Sample Origin: NC

Client Sample Description

SSP14-SED-34 Sediment

SSP14-SED-33 Sediment

SSP14-SED-35 Sediment

SSP14-SED-BALLFIELD Sediment

SSP14-SED-28 Sediment

SSP14-SED-29 Sediment

SSP14-SED-30 Sediment

Lancaster Labs (LL) #

7654858

7654859

7654860

7654861

7654862

7654863

7654864

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SED-34 Sediment
SED SW PW 2014

LL Sample # SW 7654858
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 12:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000626 J	0.000235	0.00711	1
06953	Copper	7440-50-8	0.0187 J	0.00415	0.0251	1
06955	Lead	7439-92-1	0.0849	0.00193	0.0116	1
06961	Nickel	7440-02-0	0.0285	0.00204	0.0272	1
06966	Silver	7440-22-4	0.00141 U	0.00141	0.00740	1
06972	Zinc	7440-66-6	0.315	0.00318	0.0489	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000024 U	0.000024	0.000478	1
	The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	2.0 U	2.0	6.5	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	69.1	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:03	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:43	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-33 Sediment
SED SW PW 2014

LL Sample # SW 7654859
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 13:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.00110 J	0.000364	0.0110	1
06953	Copper	7440-50-8	0.0226 J	0.00644	0.0390	1
06955	Lead	7439-92-1	0.132	0.00299	0.0180	1
06961	Nickel	7440-02-0	0.0244 J	0.00317	0.0422	1
06966	Silver	7440-22-4	0.00218 U	0.00218	0.0115	1
06972	Zinc	7440-66-6	0.598	0.00493	0.0758	1

		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000037 U	0.000037	0.000742	1
The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.						

Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	3.2 U	3.2	10.1	1

Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	80.2	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:07	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:45	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-35 Sediment
SED SW PW 2014

LL Sample # SW 7654860
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 11:50 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000117 U	0.000117	0.00355	1
06953	Copper	7440-50-8	0.0158	0.00207	0.0126	1
06955	Lead	7439-92-1	0.0230	0.000964	0.00578	1
06961	Nickel	7440-02-0	0.00295 J	0.00102	0.0136	1
06966	Silver	7440-22-4	0.00107 J	0.000703	0.00370	1
06972	Zinc	7440-66-6	0.0734	0.00159	0.0244	1

		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000012 U	0.000012	0.000239	1
The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.						

Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	1.0 U	1.0	3.3	1

Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	39.9	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:11	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:47	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-BALLFIELD Sediment
SED SW PW 2014

LL Sample # SW 7654861
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 12:15 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.0000950 U	0.0000950	0.00288	1
06953	Copper	7440-50-8	0.00514 J	0.00168	0.0102	1
06955	Lead	7439-92-1	0.00808	0.000781	0.00469	1
06961	Nickel	7440-02-0	0.00106 J	0.000826	0.0110	1
06966	Silver	7440-22-4	0.000570 U	0.000570	0.00300	1
06972	Zinc	7440-66-6	0.0396	0.00129	0.0198	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000097 U	0.000097	0.000194	1
	The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.83 U	0.83	2.6	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	23.9	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:15	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:49	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-28 Sediment
SED SW PW 2014

LL Sample # SW 7654862
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:55 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000102 U	0.000102	0.00308	1
06953	Copper	7440-50-8	0.0234	0.00180	0.0109	1
06955	Lead	7439-92-1	0.00922	0.000837	0.00502	1
06961	Nickel	7440-02-0	0.00542 J	0.000885	0.0118	1
06966	Silver	7440-22-4	0.000610 U	0.000610	0.00321	1
06972	Zinc	7440-66-6	0.0917	0.00138	0.0212	1

		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000010 U	0.000010	0.000207	1
The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.						

Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.90 U	0.90	2.8	1

Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	29.8	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:19	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:51	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-29 Sediment
SED SW PW 2014

LL Sample # SW 7654863
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:40 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000111 U	0.000111	0.00337	1
06953	Copper	7440-50-8	0.0428	0.00197	0.0119	1
06955	Lead	7439-92-1	0.0156	0.000915	0.00549	1
06961	Nickel	7440-02-0	0.253	0.000968	0.0129	1
06966	Silver	7440-22-4	0.000667 U	0.000667	0.00351	1
06972	Zinc	7440-66-6	0.0632	0.00151	0.0232	1

		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000011 U	0.000011	0.000227	1
The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.						

Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.97 U	0.97	3.1	1

Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	35.0	0.50	0.50	1
Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:22	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:53	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SED-30 Sediment
SED SW PW 2014

LL Sample # SW 7654864
LL Group # 1514575
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/23/2014 15:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/25/2014 09:15

Reported: 11/19/2014 08:43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.0000934 U	0.0000934	0.00283	1
06953	Copper	7440-50-8	0.00796 J	0.00165	0.0100	1
06955	Lead	7439-92-1	0.0105	0.000768	0.00461	1
06961	Nickel	7440-02-0	0.0125	0.000812	0.0108	1
06966	Silver	7440-22-4	0.000790 J	0.000560	0.00295	1
06972	Zinc	7440-66-6	0.0344	0.00126	0.0195	1
		SW-846 7471B	umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000095 U	0.0000095	0.000190	1
	The Laboratory Control Sample was out of specification low for mercury reading 70%. The acceptance criteria is 80-120%.					
Wet Chemistry						
		EPA-821-R-91-100	umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.81 U	0.81	2.6	1
Wet Chemistry						
		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	22.6	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06949	Cadmium	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
06953	Copper	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
06955	Lead	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
06961	Nickel	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
06966	Silver	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
06972	Zinc	SW-846 6010C	2	143183449001	11/14/2014 19:26	Katlin N Cataldi	1
00159	Mercury	SW-846 7471B	2	143183449001	11/14/2014 10:56	Damary Valentin	1
13449	Non-digest metals - U4	EPA-821-R-91-100	1	143183449001	11/13/2014 00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1
00111	Moisture	SM 2540 G-1997	1	14303820003B	10/30/2014 19:42	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/19/14 at 08:43 AM

Group Number: 1514575

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 143183449001	Sample number(s): 7654858-7654864								
Cadmium	0.000073 U	0.00007 3	0.00223	umoles/g	103		80-120		
Copper	0.00130 U	0.00130	0.00787	umoles/g	100		80-120		
Lead	0.000646 J	0.00060 4	0.00362	umoles/g	106		80-120		
Mercury	0.0000075 U	0.00000 75	0.00015	umoles/g	70*		80-120		
Nickel	0.000639 U	0.00063 9	0.00852	umoles/g	102		80-120		
Silver	0.000440 U	0.00044 0	0.00232	umoles/g	96		80-120		
Zinc	0.00291 J	0.00099 5	0.0153	umoles/g	105		80-120		
Batch number: 14303163001A	Sample number(s): 7654858-7654864								
Acid Volatile Sulfide	0.63 U	0.63	2.0	umoles/g	48		40-95		
Batch number: 14303820003B	Sample number(s): 7654858-7654864								
Moisture					100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143183449001	Sample number(s): 7654858-7654864 UNSPK: P654867 BKG: P654867								
Cadmium	86	88	75-125	2	20	0.000078 J	0.000071 U	200* (1)	20
Copper	94	88	75-125	6	20	0.0103	0.0160	43* (1)	20
Lead	87	87	75-125	0	20	0.00634	0.00580	9 (1)	20
Mercury	24*	22*	75-125	8	20	0.0000073 U	0.0000073 U	0 (1)	20
Nickel	109	88	75-125	21*	20	0.0122	0.0518	124* (1)	20
Silver	82	82	75-125	0	20	0.00110 J	0.000921 J	18 (1)	20
Zinc	92	93	75-125	1	20	0.0531	0.0497	7 (1)	20
Batch number: 14303163001A	Sample number(s): 7654858-7654864 UNSPK: P654867 BKG: P654867								
Acid Volatile Sulfide	44	43	37-119	3	20	0.63 U	0.63 U	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/19/14 at 08:43 AM

Group Number: 1514575

Sample Matrix Quality Control

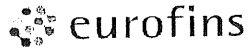
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 14303820003B	Sample number(s): 7654858-7654864				BKG: P654867				
Moisture						30.5	30.8	1	5

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



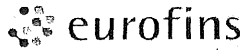
Lancaster
Laboratories

Analysis Request / Environmental Services Chain of Custody

17 of 17

For Lancaster Laboratories Use Only
 Group No.: 1513826 Sample Nos.: 7654858-61
7654858-62
 Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: 222095 **30341**
 Cooler Temperature upon receipt: 1.0 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:							
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																			
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681		APPIX Volatiles (8260) APPIX SVs + Site Specific Metals (8270) AVS (EPA-821-R-91-109) Glucols (8015C) Grain Size (ASTM D422) Appix Metals + Fe, Mn (6010, 6012, 7475) Moisture (2540G) ADZ (300.0) 2' 10" AD3 (300.0) 45" TOC (SW-846 9060A) metal										Sediment Condition upon receipt: Wet							
1300 Staton Road		Release No.:																			
Cedar Mountain NC 28718		PO Number: LBIO-66380																			
Sampler(s): M. Epps, K. Teague, C. Burdorf, T. Obvey		Project Name: SED SWPW 2014																			
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Containers												
TB- 102214-2			10/22/14	1150	WW	40	HCl	2	X												
SSP14-SED-35			10/22/14	1150	SW	125	NONE	1	X												
SSP14-SED-35			↓	↓	SW	125	NONE	1													
SSP14-SED-35			↓	↓	SW	500	NONE	1													
SSP14-SED-35			↓	↓	SW	125	NONE	1													
SSP14-SED-BALLFIELD			10/23/14	1215	SW	125	NONE	1	X												
SSP14-SED-BALLFIELD			↓	↓	SW	125	NONE	1													
SSP14-SED-BALLFIELD			↓	↓	SW	500	NONE	1													
SSP14-SED-BALLFIELD			↓	↓	SW	125	NONE	1	X												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>										Special Instructions:											
Bottles Relinquished by: <u>Job Megashko</u>			Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>J. Auley</u>			Date: <u>10/20/14</u>	Time: <u>1200</u>												
Bottles Relinquished by: <u>J. Auley</u>			Date: <u>10/24/14</u>	Time: <u>1200</u>	Bottles Received by:			Date:	Time:												
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:												
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date: <u>10/25/14</u>	Time: <u>415</u>												



Lancaster
Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only ¹⁵¹⁴⁵⁷⁵ ~~7654858-64~~
 Group No.: 1513026 Sample Nos.: 7654858-63
 Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C26391 **30335**
 Cooler Temperature upon receipt: 0.5 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required APPIX SVs+site specific cmpds (8270D) AVS (EPA-821-R-91-100) Glycols (8015C) Grain Size (ASTM D422) APPIX Metals+Fe,Mn (6010/6020/7471B) Moisture (2540 G) NO2 (300.0) NO3 (300.0) TOC (SW-846 9060A) mod										Comments:			
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379															
Facility Address: DuPont Brevard		Job No.: 9267-7720100CWH06504681															
1300 Staton Road		Release No.:															
Cedar Mountain NC 28718		PO Number: LBIO-66380															
Sampler(s): <u>T. Obvey, M. Epps, C. Burdorf, K. Teague</u>																	
Project Name: SED SW PW 2014																	
Sample Identification	Date Collected	Time Collected	Matrix	Containers			APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod	Condition upon receipt:	
				Volume (ml)	Preserv	No.											
SSP14-SED- <u>28</u>	<u>10/23/14</u>	<u>1555</u>	SW	125	None	1	X				X	X			X	<u>intact</u>	
SSP14-SED- <u>28</u>	↓	↓	SW	125	None	1		X									
SSP14-SED- <u>28</u>	↓	↓	SW	500	None	1			X								
SSP14-SED- <u>28</u>	↓	↓	SW	125	None	1	X				X	X			X		
SSP14-SED- <u>29</u>	↓	<u>1540</u>	SW	125	None	1		X									
SSP14-SED- <u>29</u>	↓	↓	SW	125	None	1			X								
SSP14-SED- <u>29</u>	↓	↓	SW	500	None	1			X								
SSP14-SED- <u>29</u>	↓	↓	SW	125	None	1		X									
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:										
Bottles Relinquished by: <u>Don Magoshko</u>		Date: <u>10/16/14</u>	Time: <u>10:58</u>	Bottles Received by: <u>J. Orley</u>		Date: <u>10/20/14</u>	Time: <u>1200</u>										
Bottles Relinquished by: <u>J. Orley</u>		Date: <u>10/24/14</u>	Time: <u>1200</u>	Bottles Received by:		Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:										
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date: <u>10/25/14</u>	Time: <u>9:15</u>										

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 10/25/2014 9:15
 Number of Packages: 2 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wesley Miller (2308) at 15:44 on 10/25/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.0	DT	Wet	Y	Loose	N
2	DT121	0.5	DT	Wet	Y	Loose/Bag	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 12, 2014

Project: BRE - SED SW PW

Submittal Date: 10/31/2014

Group Number: 1515172

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

SSP14-SW-07 Surface Water
SSP14-SW-07-Z Filtered Surface Water
SSP14-SW-07-A Surface Water
SSP14-SW-27 Surface Water
SSP14-SW-27-Z Filtered Surface Water
SSP14-SW-27-A Surface Water

Lancaster Labs (LL) #

7657620
7657621
7657622
7657623
7657624
7657625

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-SW-07 Surface Water
SED SW PW 2014

LL Sample # WW 7657620
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07 Surface Water
SED SW PW 2014

LL Sample # WW 7657620
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles							
	SW-846 8260B 25mL		ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS Volatiles							
	SW-846 8260B SIM		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS Semivolatiles							
	SW-846 8270D		ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC Miscellaneous							
	SW-846 8015C Feb 2007		mg/l		mg/l	mg/l	
	Rev 3						
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
	SM 2340 B-1997		mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.0		0.033	0.40	1
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0050 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.03		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.259 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.360		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0162		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0038 J		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07 Surface Water
SED SW PW 2014

LL Sample # WW 7657620
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 1.00 J	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:31	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 00:43	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 00:43	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:31	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 18:08	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:13	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:06	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:34	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:34	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:34	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:34	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:34	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:11	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07 Surface Water
SED SW PW 2014

LL Sample # WW 7657620
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145703B	11/05/2014	10:31	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657621
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW07Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0044 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.156 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0103	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0069 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:10	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657621
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW07Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:13	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-07-A Surface Water
SED SW PW 2014

LL Sample # WW 7657622
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW07A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
		Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U		8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.3		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0052 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.10		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.308 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.372		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0293		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0036 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
10457	Wet Chemistry Total Suspended Solids	SM 2540 D-1997 n.a.	mg/l 1.30 J	mg/l 1.00	mg/l 3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 18:35	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:28	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:15	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW-27

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145701A	11/05/2014 07:39	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

SW27Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0048 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.205 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0224	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0087 J	0.0020	0.0400	1
SW-846 6020A						
			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A						
			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW27Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:17	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-SW-27-A Surface Water
SED SW PW 2014

LL Sample # WW 7657625
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 12:58

SW27A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657620,7657623								
Acetone	3.0	U	3.0	5.0	ug/l	89	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31	14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99	72-124		
Isobutyl Alcohol	10	U	10	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100	75-126		
Propionitrile	2.0	U	2.0	10	ug/l	108	67-143		
Styrene	0.1	U	0.1	0.5	ug/l	110	80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	109	80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		
Batch number: E143071AA Sample number(s): 7657620,7657623									
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	102		70-130		
Batch number: W143061AA Sample number(s): 7657622,7657625									
Acrolein	40 U	40.	100	ug/l	96		59-120		
Acrylonitrile	4 U	4.	20	ug/l	75		62-120		
Batch number: 14309WAI026 Sample number(s): 7657620,7657623									
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	100		56-134		
1,4-Dioxane	1 U	1.	5	ug/l	66		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	98		77-113		
Batch number: 143090027A Sample number(s): 7657620,7657623									
Diethylene glycol	8.0 U	8.0	10	mg/l	97		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	96		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	88		46-118		
Batch number: 143070636001 Sample number(s): 7657620-7657621,7657623-7657624									
Barium	0.00033 U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	97		80-120		
Calcium	0.0609 J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	99		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	98		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	100		80-120		
Magnesium	0.0342 J	0.0167	0.200	mg/l	99		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	97		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	101		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	94		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	86		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0038 J	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143070639001A Sample number(s): 7657620-7657621,7657623-7657624									
Antimony	0.00033 U	0.00033	0.0020	mg/l	95		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	92		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	98		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	97		80-120		
Thallium	U	2							
	0.00015 U	0.00015	0.0010	mg/l	94		80-120		
Batch number: 143075713001 Sample number(s): 7657620-7657621,7657623-7657624									
Mercury	0.000060 U	0.00006	0.00020	mg/l	93		80-120		
	U	0							

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14309145701A Total Suspended Solids	Sample number(s): 7657623 1.00 U	1.00	3.00	mg/l	99		91-105		
Batch number: 14309145703B Total Suspended Solids	Sample number(s): 7657620 1.00 U	1.00	3.00	mg/l	96		91-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143082AA	Sample number(s): 7657620, 7657623 UNSPK: P658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				
Batch number: E143071AA Sample number(s): 7657620,7657623 UNSPK: P658000									
Vinyl Chloride	113	120	70-130	6	30				
Batch number: W143061AA Sample number(s): 7657622,7657625 UNSPK: P658008									
Acrolein	104	105	39-136	1	30				
Acrylonitrile	73	75	51-125	3	30				
Batch number: 14309WAI026 Sample number(s): 7657620,7657623 UNSPK: P658000									
1,1'-Biphenyl	110	105	73-114	5	30				
1,4-Dioxane	66	66	48-83	1	30				
Diphenyl ether	109*	103	81-105	5	30				
Batch number: 143090027A Sample number(s): 7657620,7657623 UNSPK: P658000									
Diethylene glycol	93	90	52-122	4	20				
Ethylene glycol	96	92	54-123	4	20				
Propylene glycol	97	92	55-131	6	20				
Triethylene glycol	83	82	33-123	1	20				
Batch number: 143070636001 Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000									
Barium	99	100	75-125	0	20	0.0056 J	0.0054 J	3 (1)	20
Beryllium	98	99	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	96	99	75-125	2	20	1.08	1.10	2 (1)	20
Chromium	101	98	75-125	3	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	102	100	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	97	100	75-125	3	20	0.0028 U	0.0028 U	0 (1)	20
Iron	99	103	75-125	3	20	0.299 J	0.292 J	2 (1)	20
Magnesium	98	99	75-125	1	20	0.393	0.378	4 (1)	20
Manganese	97	99	75-125	2	20	0.0263	0.0259	2 (1)	20
Nickel	103	102	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	98	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	73*	86	75-125	16	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	100	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	96	101	75-125	5	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	97	98	75-125	1	20	0.0043 J	0.0037 J	17 (1)	20
Batch number: 143070639001A Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000									
Antimony	97	93	75-125	3	20	0.00033 U	0.00033 U	0 (1)	20

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Arsenic	98	100	75-125	3	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	100	75-125	3	20	0.00017 U	0.00017 U	0 (1)	20
Lead	99	101	75-125	3	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	100	97	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143075713001	Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000								
Mercury	92	90	80-120	2	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14309145701A	Sample number(s): 7657623 BKG: P656490								
Total Suspended Solids						96.0	98.0	2 (1)	5
Batch number: 14309145703B	Sample number(s): 7657620 BKG: P660118								
Total Suspended Solids						410	388	6*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Appendix IX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657620	103	104	96	97
7657623	103	105	98	96
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA

	Dibromofluoromethane
7657620	109
7657623	109
Blank	102
LCS	108
MS	108
MSD	108
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657622	105	102	95	94
7657625	105	103	95	93
Blank	100	99	97	95
LCS	101	99	100	99

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 12:58 PM

Group Number: 1515172

Surrogate Quality Control

MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14309WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657620	87	101	125
7657623	86	99	124
Blank	82	98	133
LCS	83	94	102
MS	84	100	116
MSD	80	95	120
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143090027A

Tetramethylene glycol

7657620	94
7657623	109
Blank	98
LCS	99
MS	95
MSD	96
Limits:	54-136

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method: UPS Arrival Timestamp: 10/31/2014 9:25
 Number of Packages: 4 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED
EMPTY

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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APPENDIX C
SITE-SPECIFIC REMEDIAL LEVELS DOCUMENT

NC DENR Comments dated August 21, 2014 – Draft for Discussion

General DuPont Comment:	
<p><i>This response to comments includes a response to NCDENR’s comments dated August 21, 2014 on the Draft Site-Specific Remedial Levels Report and incorporates a response to verbal comments received by the agency during a conference call on August 22, 2014 (see Comments 8 and 9). Revisions to the report are indicated with red underline text.</i></p>	
Comment	Response
<p>1. The exposure assumptions for the direct contact pathways for soil are all acceptable. All pathways currently evaluated assume that the rangers or visitors at the park will only come into contact with the contaminated surface soil only a quarter of the time they are on the property. Is this area going to be capped, posted or clearly identified on the plat map for the land use restriction? Would future developments of offices or trails in the contaminated area be prohibited? I think we need to discuss all potential uses for the site in discussing this comment. We need to make sure all parties understand the potential uses of the site and the restrictions that will be in place.</p>	<p>As discussed with NC DENR during a meeting on April 11, 2014, DuPont intends to minimize/eliminate potential for future exposure through the implementation of the following institutional controls (ICs): soil use/excavation management plan; vapor intrusion protection plan; groundwater use and restrictions plan; appropriate long-term O&M plan; and, deed notices/restrictions. Engineering controls are also planned to control/isolate waste materials which may remain in place. DuPont will work closely with the NC Department of Agriculture and North Carolina National Guard (NCNG) and DuPont State Recreational Forest staff (DSRF) to identify areas of the site where re-development (intrusive activity or placement of structures) will be restricted or where engineering controls would be required for any new construction. Section 4 (Site Conceptual Model) of the report has been revised to include this language.</p>
<p>2. Include a trespasser scenario where the individual spent significant time in the contaminated areas.</p>	<p>As discussed during our conference call on August 22, 2014, since future land use would be unrestricted, an evaluation of a trespasser scenario is not considered applicable. Supporting rationale has been added to Section 5.3.1 (Potential Receptors) of the report.</p>
<p>3. The Division assumes additivity of risk for contaminants that adversely affect the same target organ or exhibit the same critical effect. The acceptable target hazard index (sum of hazard quotients) is one. The hazard quotient used to calculate the alternative remediation levels in this document is 1. This assumes no additivity. Change target hazard quotient to reflect either number of contaminants with non-carcinogenic effects or consider target organ/critical effect.</p>	<p>The attached Table 1 provides a comparison of the maximum detected concentration for constituents of potential concern (COPCs) with non-carcinogenic effects in site surface soil to the lowest remedial level calculated based on a hazard quotient (HQ) of 1. As shown in the table, while the total hazard index (HI) is 1.4, the total HI by target organ is less than 1. A similar result was observed for subsurface soil. While the total HI was 1.6, the total HI by target organ did not exceed 1. Therefore, an adjustment to the HQ in the RL calculation is not necessary.</p>
<p>4. Since this is going to be a public facility there will probably be a few enclosed structures built in the future. There are chlorinated solvents in groundwater. Will there be restrictions on building structures above groundwater plume? Please provide rationale why vapor intrusion pathway is not complete and therefore not evaluated in the narrative.</p>	<p>As noted in the response to Comment 1, DuPont will develop a vapor intrusion protection plan. This plan will identify areas of the site where future construction will require vapor mitigation measures. This language has been added to Section 4 of the report.</p>
<p>5. Sediment samples must be collected both in DERA Creek and Little River. If contaminants are detected ecological risk must be evaluated. Surface Water at DERA Creek has to meet class C and trout water standards like little river.</p>	<p>Consistent with the Final Remedial Investigation Work Plan dated August 1, 2014, surface water and sediment were collected in both Lake DERA and DERA Creek during the sampling event conducted in October/November 2014. An evaluation of the data will be conducted consistent with the approach presented in the NCDENR approved Work Plan.</p>

Comment	Response
<p>6. The site conceptual model does identify surface water pathway as complete. Provide in the narrative characteristics of DERA Creek at the site like dimensions, flow and fish and aquatic life population. Would visitors fish or wade in DERA Creek? Provide similar analysis for the on-site lake in the narrative. I assume surface water pathway will be addressed in detail in future editions once additional sampling is complete. I would imagine that comments 5 and 6 will be the most important part of our discussion Friday. In Section 5.1 of the SSRLs, DuPont proposes a simple dilution calculation with the Little River as the discharge point. Based on the comment above, DWM considers DERA Creek (and Lake DERA also) as a receptor for discharge of contaminated groundwater. Calculations demonstrating protection of receptors must consider DERA Creek. Obviously this will affect the site specific levels calculated for each environmental media.</p>	<p>Additional discussion of DERA Creek and Lake DERA characteristics has been added to Section 3 (Site Environmental Setting) of the report. As noted in Section 5 of the report, site-specific RLs were not presented for surface water and sediment, but may be developed later for protection of human and ecological receptors based on the results of the final phase of the RFI. Surface water and sediment were not identified as media of concern during prior investigations.</p> <p>Based on the hydrogeologic SCM developed for the site, the overall flow pattern within the surficial aquifer across the Site is in an east to southeasterly direction (Figures 7 and 8). Surficial groundwater also appears to flow radially from the bedrock mound beneath the SWMU 17 area. In addition, the potentiometric surface indicates that a mounding occurs at Lake DERA and groundwater flows away from the lake also towards Little River. As a result, the majority of site shallow groundwater flows towards the Little River. Only a small portion of shallow groundwater at the site may potentially discharge to DERA Creek. Moving from west to east, groundwater flow is parallel to the Creek and does not intersect or move toward the creek until near SWMU 12A. Well clusters MW-206A/B, 224A/B, and 209 A/B all likely monitor groundwater that may have some influence on water quality of the creek. Therefore, an evaluation of groundwater release to DERA Creek was performed in order to determine whether concentrations of constituents detected in these groundwater monitoring wells are likely to result in exceedances of relevant surface-water quality criteria in the creek. Consistent with the evaluations conducted to support the positive EI CA750 determination for the site, maximum detected concentrations in these groundwater monitoring wells were compared to the surface water screening criteria with an applied conservative dilution factor of 10 to account for groundwater to surface water interaction. As shown in Table 2, only one constituent, barium, had a maximum detected concentration which exceeded the adjusted groundwater-to-surface water screening criteria. However, the average concentration was less than the adjusted groundwater-to-surface water screening criteria. In addition, barium has not been detected in DERA Creek surface water samples. As a result, potential groundwater discharge to surface water of DERA Creek is considered acceptable. Since DERA Creek flows into Little River, Little River is considered the ultimate receptor of site groundwater discharge and the most appropriate point for ACL derivation.</p> <p>Section 5.1 has been revised to provide additional discussion regarding the attenuation factor (AF) calculation and assumptions regarding discharge</p>
<p>7. I tried to follow protection of groundwater (surface water) value calculation for soil. Based on the equation on table 10 the Cw is the ACL x 20. I assumed this was the ACL from table 5. I did not come up with the same Cw. Please clarify.</p>	<p>An error was noted in Table 10. This error has been corrected and a revised table is included. As indicated in the revised table, RLs for protection of migration to groundwater have increased due to the correction. The revised RLs were also updated in Table 11.</p>

Comment	Response
8. Verbal Comment: Clearly articulate how the scenarios compare.	Section 5.3.1 has been revised to provide additional information regarding the potential receptors and planned future land uses. As previously discussed in Section 5.3.4, one exceedance of site-specific RLs was observed at one unit (AOC A). No other exceedances were noted.
9. Verbal Comment: Discuss how and where the site will be used for Wounded Warrior Rehab.	Section 5.3.1 has been revised to address future land use plans for Wounded Warrior rehab. DuPont's current understanding is that Lake DERA would be used to provide primitive camping and recreational opportunities for Wounded Warriors. Camping would be conducted at the existing Lake DERA campground. No SWMUs or AOCs are located on this side of Lake DERA. In addition, Lake DERA surface water and sediment were not identified as media of concern during prior investigations. As a result, no complete exposure pathways have been identified for this receptor. This will be confirmed based on the results of the final phase of the RFI.

Table 1
Evaluation of Target Hazard Quotient
Former DuPont Brevard Facility
Cedar Mountain, NC

Surface Soil

Analyte ¹	Maximum Detect (mg/kg)	RL (mg/kg) ²	Calculated HQ ³	Target Organ
Antimony	9.01E+00	4.06E+02	0.02	Circulatory
Cobalt	1.71E+01	3.04E+02	0.06	Endocrine (Thyroid)
Silver	5.30E+02	5.07E+03	0.1	Dermal
Thallium	4.29E+00	1.01E+01	0.4	Dermal (Hair)
Vanadium	8.63E+02	5.07E+03	0.2	Dermal
Biphenyl	1.70E+02	2.99E+02	0.6	Kidney
Naphthalene	2.80E+01	8.73E+02	0.03	Developmental

Total HI 1.4

Maximum Total HI by Target Organ

Target Organ	Total HI
Circulatory	0.02
Endocrine	0.06
Dermal	0.7
Systemic (Kidney)	0.6
Developmental	0.03

Subsurface Soil

Analyte ¹	Maximum Detect (mg/kg)	RL (mg/kg) ²	Calculated HQ ³	Target Organ
Antimony	2.95E+02	3.54E+03	0.08	Circulatory
Arsenic	2.13E+01	3.81E+03	0.006	Dermal (Skin)
Cobalt	3.61E+01	2.65E+03	0.01	Endocrine (Thyroid)
Nickel	3.52E+02	1.75E+05	0.002	Systemic (Body Weight)
Silver	6.72E+02	4.42E+04	0.02	Dermal
Thallium	1.67E+01	8.85E+01	0.2	Dermal (Hair)
Vanadium	3.29E+03	4.41E+04	0.07	Dermal
Zinc	2.06E+05	2.65E+06	0.08	Circulatory
1,1,2,2-Tetra	2.20E+02	1.77E+05	0.001	Systemic (Liver)
1,1,2-Trichloro	3.60E+00	1.69E+02	0.02	Systemic (Liver)
1,2-Dichloro	5.50E-01	3.52E+03	0.0002	Systemic (Kidney)
1-Methylna	3.90E+01	4.39E+05	0.00009	Respiratory
2-Methylna	5.50E+01	2.51E+04	0.002	Respiratory
Benzene	2.10E+00	9.25E+03	0.0002	Circulatory
Biphenyl	5.10E+03	5.38E+03	0.9	Systemic (Kidney)
cis-1,2-Dichl	1.00E+02	1.77E+04	0.006	Systemic (Kidney)
Dibenzofura	4.60E+01	8.85E+03	0.005	
Diphenyl Eth	1.30E+04	1.49E+06	0.009	NOAEL
Ethylbenzen	1.10E+01	3.81E+05	0.00003	Systemic (Liver, Kidney)
Naphthalen	1.60E+02	1.45E+04	0.01	Developmental
Tetrachloro	6.80E+01	9.17E+03	0.007	Systemic (Body Weight, Liver)
Trichloroeth	7.10E+01	4.66E+02	0.2	Endocrine (Thymus); Circulatory (Heart); Developmental Immunotoxicity

Total HI 1.6

Maximum Total HI by Target Organ

Target Organ	Total HI
Circulatory	0.3
Dermal	0.3
Developmental	0.2
Endocrine	0.2
NOAEL	0.009
Respiratory	0.002
Systemic (Body Weight)	0.009
Systemic (Liver)	0.03
Systemic (Kidney)	0.95

Draft

Notes:

- 1 - COPC with non-carcinogenic effects
- 2 - Lowest remedial level calculated for non-carcinogenic effects, based on a HQ=1
- 3 = Calculated HQ = Conc/RL

Table 2
DERA Creek Groundwater-to-Surface Water Evaluation
Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID	Date Sampled	Parameter Name	Parameter Code	Result	Units	Water Quality Screening Level							Lowest WQSL * 10	Conc Exceeds?
						Protection of Human Health ¹			Protection of Aquatic Life ²					
						15A NCAC 2B - Fish Consumption	Secondary Screening Level	Source	15A NCAC 2B - FW Chronic	15A NCAC 2B - Trout Waters	Secondary Screening Level	Source		
MW-206B	2/13/2009	1,1,1-Trichloroethane	71-55-6	0.2 J	UG/L	NE	2.00E+02	NC 2L	2.50E+03	NE			2.00E+03	No
MW-206B	2/13/2009	1,1,2,2-Tetrachloroethane	79-34-5	0.5	UG/L	4.00E+00			NE	NE	6.10E+02	Tier II SCV	4.00E+01	No
MW-224A	2/16/2009	1,1-Dichloroethene	75-35-4	0.2 J	UG/L	7.10E+03			5.40E+03				5.40E+04	No
MW-209A	2/11/2009	1,4-Dioxane	123-91-1	1 J	UG/L	8.00E+01			NE	NE	2.20E+04	Region V	8.00E+02	No
MW-209B	2/11/2009	1,4-Dioxane	123-91-1	26	UG/L	8.00E+01			NE	NE	2.20E+04	Region V	8.00E+02	No
MW-209A	2/11/2009	Acetone	67-64-1	4.2 J	UG/L	NE	6.00E+03	NC 2L	2.00E+03				2.00E+04	No
MW-224A	2/16/2009	Acetone	67-64-1	3.3 J	UG/L	NE	6.00E+03	NC 2L	2.00E+02				2.00E+03	No
MW-224B	2/16/2009	Acetone	67-64-1	3 J	UG/L	NE	6.00E+03	NC 2L	2.00E+03				2.00E+04	No
MW-209B	2/11/2009	Benzene	71-43-2	0.2 J	UG/L	5.10E+01			NE	NE	1.30E+02	Tier II SCV	5.10E+02	No
MW-206B	2/13/2009	cis-1,2 Dichloroethene	156-59-2	2.9	UG/L	4.90E+03			NE	NE	5.90E+02	Tier II SCV	5.90E+03	No
MW-206A	2/13/2009	Dichlorodifluoromethane	75-71-8	0.3 J	UG/L	NE	1.00E+03	NC 2L	NE	NE			1.00E+04	No
MW-209A	2/11/2009	Diphenyl Ether	101-84-8	11 J	UG/L	NE	1.00E+02	NC IMAC	NE	NE	1.10E+03	DuPont	1.00E+03	No
MW-209B	2/11/2009	Diphenyl Ether	101-84-8	3 J	UG/L	NE	1.00E+02	NC IMAC	NE	NE	1.10E+03	DuPont	1.00E+03	No
MW-206B	2/13/2009	Tetrachloroethene	127-18-4	0.7	UG/L	3.30E+00			NE	NE	9.80E+01	Tier II SCV	3.30E+01	No
MW-206B	2/13/2009	trans-1,2-Dichloroethene	156-60-5	0.1 J	UG/L	1.00E+04			NE	NE	5.90E+02	Tier II SCV	5.90E+03	No
MW-206B	2/13/2009	Trichloroethene	79-01-6	20	UG/L	3.00E+01			NE	NE	4.70E+01	Tier II SCV	3.00E+02	No
MW-206A	2/13/2009	Trichlorofluoromethane	75-69-4	11	UG/L	6.70E+04			NE	NE			6.70E+05	No
MW-224A	2/16/2009	Trichlorofluoromethane	75-69-4	2.1	UG/L	6.70E+04			NE	NE			6.70E+05	No
MW-209A	2/11/2009	Vinyl Chloride	75-01-4	0.015 J	UG/L	2.40E+00			NE	NE	9.30E+02	Region III	2.40E+01	No
MW-209B	2/11/2009	Vinyl Chloride	75-01-4	0.011 J	UG/L	2.40E+00			NE	NE	9.30E+02	Region III	2.40E+01	No
MW-206A	2/13/2009	Barium	7440-39-3	0.0905	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	Yes
MW-206B	2/13/2009	Barium	7440-39-3	0.0126	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	No
MW-209A	2/11/2009	Barium	7440-39-3	0.0019 J	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	No
MW-209B	2/11/2009	Barium	7440-39-3	0.0287	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	No
MW-224A	2/16/2009	Barium	7440-39-3	0.0698	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	Yes
MW-224B	2/16/2009	Barium	7440-39-3	0.0331	MG/L	2.00E+02			LD	NE	4.00E-03	Tier II SCV	4.00E-02	No
MW-209B	2/11/2009	Cobalt	7440-48-4	0.0023 J	MG/L	4.00E+00			NE	NE	2.30E+01	Tier II SCV	4.00E+01	No
MW-224A	2/16/2009	Copper	7440-50-8	0.0032 B	MG/L	NE	1.00E+00	NC 2L	7.00E-03				7.00E-02	No
MW-209A	2/11/2009	Iron	7439-89-6	0.162 J	MG/L	NE	1.40E+04	DuPont	1.00E+03	NE			1.00E+04	No
MW-224B	2/16/2009	Iron	7439-89-6	0.0569 B	MG/L	NE	1.40E+04	DuPont	1.00E+03	NE			1.00E+04	No
MW-206A	2/13/2009	Manganese	7439-96-5	0.414	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-206B	2/13/2009	Manganese	7439-96-5	0.0098	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-209A	2/11/2009	Manganese	7439-96-5	0.169	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-209B	2/11/2009	Manganese	7439-96-5	0.0318	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-224A	2/16/2009	Manganese	7439-96-5	0.0214	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-224B	2/16/2009	Manganese	7439-96-5	0.0072	MG/L	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+03	No
MW-206A	2/13/2009	Mercury	7439-97-6	0.00000811	MG/L	NE	1.00E-03	NC 2L	1.20E-05	NE			1.20E-04	No

Table 2
DERA Creek Groundwater-to-Surface Water Evaluation
Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID	Date Sampled	Parameter Name	Parameter Code	Result	Units	Water Quality Screening Level							Lowest WQSL * 10	Conc Exceeds?
						Protection of Human Health ¹			Protection of Aquatic Life ²					
						15A NCAC 2B - Fish Consumption	Secondary Screening Level	Source	15A NCAC 2B - FW Chronic	15A NCAC 2B - Trout Waters	Secondary Screening Level	Source		
MW-209A	2/11/2009	Mercury	7439-97-6	0.00000201	MG/L	NE	1.00E-03	NC 2L	1.20E-05	NE			1.20E-04	No
MW-209B	2/11/2009	Mercury	7439-97-6	0.00000149	MG/L	NE	1.00E-03	NC 2L	1.20E-05	NE			1.20E-04	No
MW-224A	2/16/2009	Mercury	7439-97-6	0.000000403	MG/L	NE	1.00E-03	NC 2L	1.20E-05	NE			1.20E-04	No
MW-224B	2/16/2009	Mercury	7439-97-6	0.000000207	MG/L	NE	1.00E-03	NC 2L	1.20E-05	NE			1.20E-04	No
MW-206B	2/13/2009	Zinc	7440-66-6	0.01 J	MG/L	NE	1.00E+00	NC 2L	5.00E-02	NE			5.00E-01	No

NE - None Established LD - Limited Data
UG/L - micrograms per liter MG/L - milligrams per liter

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1 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only)

DERA Creek is a Class C water and is not used as a water supply.

In the absence of fish consumption values, the following secondary screening levels were utilized:

DuPont -Where NC 2B for HH-org were unavailable, then a surface water standard (SS) was derived consistent with 15A NCAC 02B.0208 for protection of human health (fish consumption).

MCL - Federal Maximum Contaminant Levels (Summer 2010)

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

2 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of aquatic life and trout waters

In the absence of chronic values, the following ecological surface water benchmarks were utilized:

Tier II Secondary Chronic Value (SCV) - Suter, G.W. II, and Tsao, C.L. 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota

EPA Region III - Freshwater Ecological Screening Benchmark

EPA Region V - Surface Water Ecological Screening Level

NAWQC - National Recommended Water Quality Criteria (2009) for protection of aquatic life (freshwater chronic).

DuPont - DuPont-derived effects threshold concentration

DRAFT FOR REVIEW

Site-Specific Remedial Levels Former DuPont Brevard Facility Cedar Mountain, NC

Date: July 2014 (Revised December 2014)

Project No.: 18986428



URS Corporation
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Executive Summary

This report describes the development of site-specific soil and groundwater remedial levels (RLs) for the Former E. I. du Pont de Nemours and Company (DuPont) Brevard Facility (the site) located in Cedar Mountain, North Carolina. The site is no longer used for manufacturing operations and has been dismantled. Planned future use of the site includes military training and recreational uses consistent with land use plans identified by the NC Department of Agriculture and North Carolina National Guard (NCNG) and DuPont State Recreational Forest staff (DSRF).

Corrective action at the site is currently being conducted in accordance with requirements set forth in the Hazardous Waste Management Permit No. No. NCD003152329-R-2 issued by the North Carolina Department of Environment and Natural Resources (NCDENR) on August 4, 2008 and revised on April 11, 2011. In accordance with the Permit, DuPont is required to conduct RCRA Facility Investigation (RFI) activities at the site to address confirmed or suspected releases to the environment from RCRA solid waste management units (SWMUs) and/or areas of concern (AOCs). Since 2002, DuPont has completed three phases of the RFI. The final phase of the RFI began in the Fall 2014.

Consistent with the NCDENR February 27, 2014 document entitled “Establishing Remediation Goals for the DuPont Brevard Facility”, site-specific RLs for groundwater and soil were developed for the protection of human health and the environment based on planned future uses as proposed by the DSRF and the NCNG. These RLs will be used to support the remedial approach for the site.

As part of the RFI, a site conceptual model (SCM) was developed to address potential human and ecological exposure pathways. In developing these site-specific RLs, receptors and routes of exposure were refined based on the currently proposed uses. Constituents of potential concern (COPCs) were identified based on comparison of existing RFI data against screening levels for appropriate media and exposure pathways. As a result, RLs are presented in this report for the following:

- ❑ Groundwater concentrations protective of receptors in Little River (human and ecological)
- ❑ Soil concentrations protective of potential groundwater receptors (Little River)
- ❑ Direct contact soil concentrations protective of potential future land use scenarios (i.e., military and recreational) and the following receptors: Forest Ranger, National Guard, Utility Worker and Trail User (Adult/Child)

Additional sampling activities are planned during the final phase of the RFI. These RLs will be used to evaluate the data collected during the investigation and provide information to support remedial-decision making based on planned future land uses.

Site-specific RLs are not presented in this report for surface water and sediment because there are no exceedances of appropriate screening levels currently. Hence, no COPCs have been identified. RLs for these media may be developed for protection of human and ecological receptors based on the results of the final phase of the RFI.

1.0 Introduction

This report describes the development of site-specific remedial levels (RLs) for the Former E. I. du Pont de Nemours and Company (DuPont) Brevard Facility (the site) located in Cedar Mountain, North Carolina. The RLs will be used to support the remedial approach for the site.

The following RLs are presented in this report:

- ❑ Groundwater concentrations protective of receptors in Little River (human and ecological)
- ❑ Soil concentrations protective of potential groundwater receptors (Little River)
- ❑ Direct contact soil concentrations protective of potential future land use scenarios

These RLs have been derived for the protection of human health and the environment based on planned future uses. Receptors and exposure routes addressed in the RLs are based on the use of a site conceptual model (SCM). The SCM has been developed to address potential ecological and human exposure pathways for the site and has been used to guide the development of the RLs.

1.1 Report Organization

The remainder of this report is organized into the following sections:

- ❑ Section 2 provides a brief description of the site operational history and corrective action background
- ❑ Section 3 details the site environmental setting
- ❑ Section 4 presents the current Site Conceptual Model (SCM)
- ❑ Section 5 provides the technical approach for RL calculations
- ❑ Section 6 summarizes the site-specific RLs for soil and groundwater
- ❑ Section 7 provides the references that were used in the development of this report

Tables, figures and appendices referenced herein are attached to the end of this document. Appendix A provides the future land use plans for the site. Appendix B details groundwater flows calculated for site groundwater and for the Little River. Appendix C contains site-specific RL calculations for soil direct contact.

2.0 Brief Site History and Background

The site began operations under DuPont in 1957 and was operated by the Chemicals and Pigments (C&P) Department during the first five years of operation, producing high purity silicon. The property was then transferred to the Imaging Department, for production of medical imaging (x-ray) films. In addition to manufacturing processes, DuPont historically operated a powerhouse, a wastewater treatment facility, a Save-All System (silver recovery unit), the Alternate Fuel Boiler (AFB), and permitted solid waste landfills.

The manufacturing area was divested to Sterling Diagnostic Imaging Inc. (Sterling) on March 29, 1996. On May 14, 1999, Sterling divested the manufacturing facility to AGFA Corporation. Both AGFA and Sterling conducted the same operations as DuPont. AGFA discontinued operations at the DuPont Brevard Facility in December 2002. An agreement was reached with AGFA to perform demolition and removal (D&R) activities for major assets of the facility (February 2004) prior to DuPont reacquisition of the property. Completion of all required D&R activities was completed in May 2006 and ownership of the site was divested to DuPont (July 2006).

Corrective action at the site is currently being conducted in accordance with requirements set forth in the Hazardous Waste Management Permit No. No. NCD003152329-R-2 issued by the North Carolina Department of Environment and Natural Resources (NCDENR) on August 4, 2008 and revised on April 11, 2011. Consistent with the Permit, DuPont is required to conduct RCRA Facility Investigation (RFI) activities at the site to address confirmed or suspected releases to the environment from RCRA solid waste management units (SWMUs) and/or areas of concern (AOCs). Since 2002, DuPont has completed three phases of the RFI. Results of these investigations are documented in the following reports:

- ❑ DuPont CRG, 2003. *Phase I RFI Report*
- ❑ DuPont CRG, 2004. *Phase II RFI Report*
- ❑ DuPont CRG, 2008. *Interim Phase III RFI Report*
- ❑ Parsons, 2009. *Phase III RFI Report*

3.0 Site Environmental Setting

The site is located approximately six miles southeast of the town of Brevard, near Cedar Mountain, in Transylvania County, North Carolina, in the Blue Ridge Physiographic Province Region of the Appalachian Mountains. The Blue Ridge Physiographic Province is characterized by mountainous terrain with relatively high relief. Local elevations range from 1,010 to 4,000 feet above mean sea level (MSL). The manufacturing facility is situated on a fairly level plateau at 2,550 feet above MSL and is located on 79.41 acres. The site is bounded by the Little River on the south and east, and heavily wooded mountain land to the north.

During the RFI, two aquifers have been identified and characterized at the site: surficial and bedrock. Generally, the surficial aquifer consists of subsurface overburden materials (soils) and residuum materials [unconsolidated saprolite and partially weathered rock (PWR)] that overlay crystalline bedrock composed of granite and gneiss. The thickness of the surficial aquifer (residuum combined with the overburden) can be correlated to the relief of the underlying bedrock outcrop (Parsons, 2009).

Groundwater occurrence within the surficial aquifer is based on observations made during the collection of the lithologic borings installed as part of the piezometer and monitoring well installations completed during the RFI field investigations. In the majority of the site, groundwater in the surficial aquifer was observed as the borings were advanced into the saprolitic materials. In areas adjacent to the river (such as MW-106, MW-107, and MW-213 through MW-215), groundwater is present in shallow [i.e., 5 feet below ground surface (bgs) to 10 feet bgs] overburden/overbank materials in addition to the saprolite and PWR. Depths to PWR along the river are estimated to range from 15 feet bgs to 40 feet bgs.

In the western portion of the site (west of the former manufacturing areas) groundwater flow is predominantly downward from the surficial aquifer to the bedrock aquifer. While in the eastern half of the site groundwater flow is predominately upward from deep soil/bedrock to surficial aquifer. As a result, the direction of gradient flow tends to be upward in areas where groundwater is being discharged to the surface and downward where recharge is believed to occur. In the case of the site, the topographical highs tend to be on the western half of the site, and are the most likely sources of recharge, whereas the eastern half of the site is topographically lower, and is more likely to have locations of discharge (Parsons, 2009).

Based on the hydrogeologic SCM developed for the site, the surficial aquifer is in communication with the Little River. The Little River flows from the south to north across the site and may receive discharge for the overburden/over-bank portion of the surficial aquifer. Overall flow in the surficial aquifer at the Site flows in an east to southeasterly direction towards the Little River. Flow patterns have been observed to move in a manner that follows bedrock topography. Horizontal gradients are noted to be the steepest in areas where bedrock topography is greatest and lowest where the topography begins to level off in the presence of the Little River (Parsons, 2009).

Groundwater flow within the bedrock aquifer is also to the east/southeast towards the Little River. However, direct communication between the bedrock aquifer and the river is

limited to the extent of the river between High Falls and Hooker Falls where the residuum thins and bedrock outcrops have been observed. The bedrock aquifer does not appear to be in direct communication with the extent of the river between Bridal Veil Falls to High Falls [see Figures 12- 20 and Appendix A in the *Phase III RFI Report* (Parsons, 2009)].

The Little River is classified by NCDENR as Class C fresh surface water (aquatic propagation and survival, fishing, wildlife, secondary recreation, and agricultural use). In addition, the Little River has a supplemental classification of Class TR (Trout Waters - intended to protect freshwaters for natural trout propagation and survival of stocked trout).

Additional surface water features at the site include Lake DERA and DERA Creek. Lake DERA, also known as Lake DuPont, is an approximate 19-acre lake located in the northwest of the former manufacturing area. The lake features a silty bottom, with limited amounts of submerged aquatic vegetation (SAV) along its shallower reaches. An assessment of Lake DERA was conducted by the North Carolina Wildlife Resources Commission on August 10, 2010. The assessment consisted of a snorkel survey and use of a YSI® Pro20 to develop a temperature and dissolved oxygen profile of the lake. The snorkel survey revealed that the northern portion of the lake is shallow and contains some emergent vegetation which serves as habitat for young-of-the- year and adult littoral fish species. Overall, fish density and diversity were low; three fish species were observed: largemouth bass (*Micropterus salmoides*), bluegill (*Lepomis macrochirus*), and redbreast sunfish (*Lepomis auritus*). YSI® measurements confirmed that the relatively shallow Lake is fully mixed by wind and has adequate dissolved oxygen levels throughout the water column. Consequently, the ecological quality of Lake DERA is considered moderate due to limited aquatic vegetation and a low diversity of aquatic life (URS, 2011).

DERA Creek flows from west to east (Lake DERA to Little River) through the Site, and has year-round flow. During an ecological assessment of the site conducted in 2011, bluegill and bass were observed in the outfall pool, just east of the Lake DERA dam; however, sediments in this area were notably marked by iron flocculant (URS, 2011). Swamp Forest-Bog and Acidic Cove Forest were found to occur along the creek, limiting access. In addition, the creek is too shallow for swimming, canoeing or rafting.

4.0 Site Conceptual Model

During the RFI process, DuPont has strived to incorporate information from individual SWMUs and AOCs, along with more general site data, into a facility-wide SCM. The use of a SCM provides a means of documenting and periodically updating general facility information and data regarding potential releases to the environment (USEPA, Regional VI, 2008). The SCM also provides a framework for problem definition; aids in the identification of data gaps which can then be addressed in the investigation; and assists in the identification of appropriate remedial technologies, if necessary.

The SCM for the Former DuPont Brevard Facility was developed and designed to assess the relative potential for the site to impact human health and the environment and to facilitate the identification of data gaps that would aid in the assessment. The assessment is based on an integrated analysis of potential exposure pathways, hazardous substance release constituent concentrations, environmental fate and transport mechanisms, and risk to human health and the environment.

The SCM is dynamic and should be tested and refined from its original state as information, collected in a phased approach, is fed into it. Consequently in support of this report, the conceptual exposure model (CEM) component that has been presented in previous reports was updated. The CEM, included as Figure 1 to this report, depicts exposure pathways by which potential human and ecological receptors may be exposed to constituents in environmental media at the site under reasonably anticipated future land- and water-use conditions.

The CEM was developed with the following considerations:

- ❑ The site is no longer used for manufacturing operations and has been dismantled. Planned future use of the site include military training and recreational uses consistent with land use plans identified by the NC Department of Agriculture and North Carolina National Guard (NCNG) and DuPont State Recreational Forest staff (DSRF). Specifically,:
 - NCNG Military Training with lodging and administration facilities
 - Forest Ranger Office
 - Parking for surrounding DuPont State Recreational Forest
 - Managed recreation center at Lake DERA for Wounded Warrior REHAB, including primitive camping, water recreation and designated fishing areas
 - Multi-Use Trail in Nature Preserve Primary Area
- ❑ The majority of SWMU/AOC boundaries have been defined and their wastes characterized. Some units have been proposed for additional investigation as part of the final phase of the RFI to facilitate remedial decisions.
- ❑ Releases in soil (surface and subsurface) and groundwater have been identified.
- ❑ Potential migration pathways of constituents of potential concern (COPCs) identified in environmental media at the site include:

- Surface runoff during rain events into drainage ditches and storm sewers (historically before site dismantlement);
 - Airborne transport of particulates generated by wind erosion and physical disturbance of soil (surface and subsurface) in SWMUs or AOCs to downwind locations;
 - Leaching of constituents in soil (surface and subsurface) to shallow groundwater;
 - Volatilization of constituents in shallow groundwater into indoor air; and,
 - Migration of dissolved constituents in shallow groundwater beneath the site vertically to the deeper bedrock aquifer and horizontally to downgradient locations, including the Little River.
-
- Under current conditions, vapor intrusion pathways are incomplete. No occupied structures are located near volatile constituents in the subsurface.
 - DuPont will work closely with the NCNG and DSRF to identify areas of the site where re-development (intrusive activity or placement of structures) will be restricted or where engineering controls would be required for any new construction.
 - Currently, wooded areas and surface water bodies¹ adjacent to the site are popular recreational locations for the surrounding community.
 - Location and recreational activities associated with the Wounded Warrior REHAB program will take remaining site conditions into account.
 - Groundwater in the surficial aquifer is not currently used on or in the immediate vicinity of the site as drinking water. Deed restrictions would prohibit its use on-site as drinking water in the future.
 - Groundwater in the bedrock aquifer is currently used on-site for sanitary purposes and is used at the NCDSFS Visitor Center for potable and sanitary uses. An interim remedial measure (IRM) has been completed at the visitor center bedrock well.

¹ If the site is transferred to the State of North Carolina, then the Little River and NCDSFS Visitor Center would be within the site boundary.

5.0 Remedial Level Approach

Consistent with NCDENR February 27, 2014 document entitled “Establishing Remediation Goals for the DuPont Brevard Facility”, site-specific RLs for groundwater and soil were developed for the protection of human health and the environment based on planned future uses. Site-specific RLs are not presented in this report for surface water and sediment, but may be developed later for protection of human and ecological receptors based on the results of the final phase of the RFI.

As presented to DuPont on February 28, 2014 by the NC Department of Agriculture and NCNG, the DSRF has developed a preliminary map of possible uses of the DuPont property that could be compatible with both State Forest use and the proposed uses of the NCNG (see Appendix A). These possible uses include the following:

- NCNG Military Training
- Forest Ranger Office
- Parking for surrounding DuPont State Recreational Forest
- Managed recreation center at Lake DERA
- Multi-Use Trail in Nature Preserve Primary Area

5.1 Site-Specific Groundwater Remedial Levels

Under current conditions, groundwater is not used on-site for drinking water purposes and future use will be prohibited as part of a Groundwater Use and Restrictions Plan. Residential users of shallow groundwater have not been identified downgradient of the site. Furthermore, the downgradient Little River is not used for water supply purposes. However, shallow groundwater may discharge to DERA Creek and the Little River. The majority of site shallow groundwater may discharge to the Little River. However, a portion of shallow groundwater may also discharge to DERA Creek. Since DERA Creek flows into Little River, Little River is considered the ultimate receptor of site groundwater discharge.

Downgradient users of deep groundwater in the immediate vicinity of the site are limited to the NCDSFS Visitor Center (which has a water treatment unit installed). The drinking water source for municipal groundwater in the surrounding area is Cathey’s Creek, Bradley Creek or the North Fork of the Mills River, each of which is over 5 miles from the site.

Therefore, and consistent with NCDENR’s *Guidelines for Establishing Remediation Goals at RCRA Hazardous Waste Sites* (HWS Guidance), groundwater remedial levels [hereafter referred to as alternate concentration limits (ACLs)] were calculated to be protective of potential human and ecological receptors in the Little River. COPCs identified for ACL derivation were selected based on a comparison to North Carolina groundwater standards established in 15A NCAC 2L .0200 (NC2L standards) or NC Interim Maximum Allowable Concentrations (IMACs). The data set evaluated included groundwater samples collected between 2007 and 2013 at 77 monitoring well locations and six water supply wells (WSW) during the most recent RFI monitoring events and

semi-annual CAMU groundwater monitoring. Tables 1 – 3 identify COPCs for the surficial aquifer, bedrock aquifer and water supply wells.

The approach for the ACL derivation was to essentially run groundwater mass flux calculations backwards to establish an ACL at the point of compliance (POC) considering an initial risk-based concentration in the Little River (the point of exposure [or POE]). First, acceptable levels protective of human health or aquatic life (such as NC 2B values) were identified for the POE. Second, an attenuation factor (AF) based on dilution into the receiving water body was calculated. Inputs to the AF are detailed in Appendix B.

$$AF = \frac{Q_r \times F \times 86,400 \text{ sec/day}}{Q_a}$$

Where:

Q_a = Flow in aquifer (cf/day)

Q_r = Flow in river (cf/sec) (either the harmonic mean or 7Q10)

F = Mixing fraction of river (unitless)

The ACL was then determined by multiplying the risk-based POE value by the site-specific AF.

Acceptable levels protective of human health or aquatic life were based on the lower of the 15A NCAC 2B (NC2B standards) for protection of freshwater organisms (chronic), protection of trout waters and protection of human health (organism only). Where these values were not available, the following secondary screening levels were used in the derivation.

Receptor	Primary Screening Level	Secondary Screening Level	
<i>Protection of Human Health</i>	15A NCAC 2B (Human Health)	NC IMAC or Federal MCL	DuPont-derived screening level protective of fish consumption (see Table 4)
<i>Protection of Aquatic Life</i>	15A NCAC 2B (Freshwater Aquatic Life) or 15A NCAC 2B (Trout Waters)	USEPA Tier II freshwater secondary chronic values (SCV) (Suter and Taos, 1996)	National Recommended Ambient Water Quality Criteria (NAWQC) or USEPA Region V Ecological Screening Level

Risk-based POE values are tabulated in Table 5.

As detailed in Appendix B, the total contribution of site groundwater to the Little River is significantly less than 1 cubic feet per second (cfs) (0.027 cfs). Data provided by the USGS indicates that flow in the Little River near the site ranges between 15 cfs and 63 cfs based on years from 1962 – 1991 (see Appendix B). Therefore, it is anticipated that constituents present in the groundwater under the site entering surface water in the Little River would be diluted by a factor of at least 558. To account for variable flow within the groundwater and surface water systems a dilution factor of 500 was assumed as the AF.

In the AF calculation, groundwater was assumed to mix completely in the river flow (total discharge), assuming a groundwater flow divide down the center of the river bottom. A lower mixing fraction (such as 0.33), which is consistent with NCDENR guidance under the National Pollutant Discharge Elimination System (NPDES) program, would be considered to be more appropriate for the present evaluation because

groundwater is released through a porous medium over a large portion of the riverbank and bottom. However, the lower mixing fraction would result in a higher and less conservative AF.

Table 5 tabulates ACL calculations for each groundwater COPC identified in site groundwater. As indicated in the table, if the calculated ACL exceeded water solubility limits for organic groundwater constituents, then the ACL was established at the water solubility limit. These ACLs are considered conservative because other attenuation mechanisms such as degradation, dispersion or adsorption were not considered in the calculation.

Table 5 also includes a comparison of concentrations measured at the POC (i.e., monitoring wells adjacent to the Little River). As indicated in the table, maximum detected concentrations in these locations were well less than the ACLs.

To further evaluate the groundwater-to-surface water pathway, samples have been collected from DERA Creek and the Little River as part of the site NPDES program, 1995 Environmental Site Assessment (ESA) and RFI investigations. During the most recent Phase III RFI (2009), four surface-water samples were collected from Little River (SW-4 – SW-7), three surface-water samples were collected from DERA Creek (SW-8 – SW-10) and two samples were collected below High Falls (SW-12 and SW-13). Additional sampling of Little River has also been conducted semi-annually since 2012 as part of CAMU groundwater monitoring.

A comparison of the analytical results to applicable surface water screening criteria is provided in Table 6. As detailed in Table 6, of the 23 COPCs identified in groundwater, only two organics (cis-1,2-dichloroethene and vinyl chloride) and five inorganics (total chromium, iron, lead, manganese and vanadium) were detected in the surface water samples. Only total manganese was detected just above generic screening criteria in DERA Creek protective of potential ecological receptors. However, none of the constituents were detected in Little River surface water above the screening criteria.

Additional surface water sampling is planned as part of the final phase of the RFI. Sediment sampling is also planned. As noted earlier, site-specific RLs are not presented in this report for surface water and sediment, but may be developed later based on the results of the RFI sampling.

5.2 Site-Specific Soil RLs Protective of Soil Migration to Groundwater

Soil migration-to-groundwater RLs were calculated using the soil screening level (SSL) equation provided as Figure 1 in the HWS guidance. COPCs identified for the RLs were based on comparison to NC DENR Inactive Hazardous Site Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) for Protection of Groundwater (January 2014 version) (see Tables 7 and 8). In addition, constituent concentrations in soil and groundwater were used to determine whether a unit was a potential contamination source to groundwater. A summary of the COPCs is provided in Table 9. The RL calculations, which are presented in Table 10, used NC DENR-recommended soil parameter inputs with the ACLs derived above as the target groundwater concentration.

Protection of soil migration to groundwater RLs are intended to serve as comparison levels for surface and subsurface soil to evaluate remedial action on the basis of groundwater migration to the Little River. Table 11 provides a comparison of constituents detected in soil during the RFI to the calculated RLs. Based on a review of the data set and as indicated in the table:

- ❑ Exceedances in soil samples were observed in less than 10% of the RFI soil samples collected.
- ❑ Most exceedances in waste samples were observed at SWMUs 13 and 16, which are over 900 feet from the Little River.
- ❑ None of the COPCs have been detected in groundwater above 10 times the NC 2B at POC monitoring wells.
- ❑ None of the COPCs have been detected in Little River or DERA Creek² surface water.

Based on these observations, potential impact of these constituents from the migration to groundwater route to potential receptors in surface water is not expected.

5.3 Site-Specific Soil RLs Protective of Human Health (Direct Contact Exposure Pathways)

Direct Contact RLs are intended to serve as evaluation criteria for surface and subsurface soil to evaluate remedial action on the basis of human health exposure.

RLs values protective of multiple-route exposure were calculated using USEPA risk assessment methodology (USEPA, 1989). The USEPA risk assessment equations calculate risk levels based on the constituent concentration, magnitude of exposure, and the toxicity of the constituent. To calculate the RLs, the equations are rearranged to solve for an allowable constituent concentration based on a target risk level (hazard quotient of 1 or cancer risk of 10^{-6}), magnitude of exposure, and toxicity.

The following sections describe the potential receptors, exposure assumptions and toxicity values used in the RL derivation. COPCs for human health direct contact exposure pathways were identified based on a comparison to IHSB PSRGs for Residential Land Use (January 2014 version). The data set evaluated included surface soil (from intervals between 0 and 2 ft bgs)³ and subsurface soil samples (from discrete intervals between 2 and 15 ft bgs) collected from 88 soil boring locations during the ESA and RFI. A summary of the surface soil and subsurface soil COPCs are provided in Tables 7 and 8, respectively.

For adult receptors, RLs were calculated to be protective of potential carcinogenic and non-carcinogenic (systemic) effects. However, consistent with EPA guidance, for exposures which involved adult and child receptors, potential systemic effects (or non-cancerous health hazards) were evaluated for young children (age 0 to 6 years) while

² DERA Creek COPCs for soil-to-groundwater migration are limited to Dowtherm constituents observed in one SWMU 18 boring.

³ Soil or waste samples with start depths less than two feet (i.e., collected from 1 to 5 ft bgs) were conservatively included in the surface soil data set.

potential carcinogenic effects (or excess cancer risks) were evaluated over a lifetime of exposure (as a young child continuing into the adult years).

As detailed in Appendix C, consistent with Section § 130A-310.68 (b)(9) of House Bill 45 (also known as the Risk Bill), RLs were derived using the range of acceptable target cancer risk levels (10^{-6} to 10^{-4}).

5.3.1 Potential Receptors

The site is no longer used for manufacturing operations and physical assets have been dismantled and removed. Therefore, the following potential receptors considered for the soil RL derivation were based on the planned future land uses identified earlier in this report:

- ❑ Future North Carolina National Guard (Military Exercises and Training)
The NCNG personnel are potentially exposed to COPCs in surface soil during military exercises and training. The NCNG has identified the larger parking lot located near the former manufacturing area for training. The motorcycle and driving course would be designed using the parking lot and the looping roads around the plant site. The lot would also be used to stage significant events, such as large training exercises, staging of equipment and helibase functions. Temporary housing (Quonset huts), latrines and administration buildings are also proposed.
- ❑ Future DuPont State Recreational Forest Worker (Ranger Office/Visitor Center/Lake DERA Recreation Area Worker)
Future DSRF workers are potentially exposed to COPCs in surface soil. The DSRF staff has proposed a new Ranger Office, near the current entrance to the site off Staton Road. A worker may also be hired to assume daily operations of managed recreation at Lake DERA.
- ❑ Future On-Site Utility/Excavation Worker
The future on-site utility/excavation worker is potentially exposed to COPCs in surface soil and subsurface soil while repairing or installing sanitary sewer, electrical, water, or other utility lines at the site. For this receptor, it was conservatively assumed that exposure would occur each year during different repair or maintenance events.
- ❑ Future DuPont State Recreational Forest User (Adult/Child Trail User)
A variety of trails will be accessible to DSRF users. Trail users are potentially exposed to COPCs in soil. A multi-use trail is proposed in the Nature Preserve Primary Area. SWMUs and AOCs are not located in this area.

Following re-development, unrestricted use of the site will occur. Therefore, trespassers were not considered potential receptors. In addition, NCNG and DSRF staff will be present on site to coordinate NCNG's activities and security needs with permitted site uses.

Lake DERA surface water and sediment are not current media of concern and SWMUs and AOCs are not located near planned managed Lake DERA recreation areas to be used for the Wounded Warrior REHAB site. Therefore, these individuals are not considered

potential receptors at this time. This scenario will be revisited based on the findings of the final phase of the RFI.

5.3.2 Exposure Assumptions

Appendix C details the calculation of the RLs for the direct contact and inhalation pathways. The RL values were calculated using the assumptions summarized in Table 12. The assumptions are conservative (likely to overestimate actual exposure) but can be used for developing remediation standards. As shown in the tables, exposure assumptions were based on a combination of USEPA recommended⁴ values and professional judgment considering site-specific information. Rationale for selection of a portion of these exposure assumptions is provided below.

Soil Ingestion Rate

The soil ingestion rate refers to the amount of soil that is ingested daily due to incidental ingestion (e.g., hand-to-mouth contact). The USEPA recommended default soil ingestion rate of 100 milligrams per day (mg/day) (USEPA, 2014a) for outdoor workers was assumed for Future NCNG Users and Future DuPont State Recreational Forest Workers.

USEPA's recommended soil ingestion rate of 330 mg/day (USEPA, 2002) for construction workers was assumed for Future Utility/Excavation Workers. Similarly, USEPA recommended soil ingestion rates for adult and child residents (100 mg/day and 200 mg/day, respectively) were assumed for Future DuPont State Recreational Forest Users (Adult/Child Trail Users).

Exposed Skin Surface Area

Exposed skin surface area is relevant when evaluating uptake of chemicals that are absorbed dermally. USEPA default body surface areas (3,470 cm²) calculated for potential exposure to head, hands and forearms were used to evaluate Future NCNG Users, Future DuPont State Recreational Forest Workers and Future Utility/Excavation Workers (USEPA, 2014a).

USEPA-recommended body surface areas for adult and child residents (6,032 cm² and 2,690 cm²) were used to evaluate Future DuPont State Recreational Forest Users (Adult/Child Trail Users) (USEPA, 2014a).

Soil Adherence Rate

Dermal soil adherence is used, in conjunction with exposed skin surface area, to define the total amount of soil adhering to exposed skin surfaces. A soil adherence rate of 0.3 mg/cm² was used to evaluate Future NCNG Users and Future Utility/Excavation Workers. The value is based on the 95th percentile weighted adherence factor (AF) for construction workers (USEPA, 2004a) and is consistent with USEPA's recommendations for construction workers in USEPA's *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (USEPA, 2002).

The USEPA-recommended soil adherence rate of 0.12 mg/cm² for industrial/commercial workers (USEPA, 2014a) was used to evaluate Future DuPont State Recreational Forest

⁴ The HWS Guidance recommends exposure assumptions consistent with EPA's Regional Screening Level Table (USEPA, 2014c).

Workers. This value is based on the arithmetic average of weighted mean of body part specific (hands, forearms, and face) mean adherence factors for adult commercial/industrial activities.

USEPA-recommended soil adherence rates for adult and child residents (0.07 mg/cm² and 0.2 mg/cm², respectively) were used to evaluate Future DuPont State Recreational Forest Users (Adult/Child Trail Users) (USEPA, 2014a).

Dermal Absorption

Dermal absorption values are used to estimate chemical absorption from soil through the skin (see Appendix C). Consistent with USEPA guidance (USEPA, 2004a), no default absorption values were applied to VOCs, as VOCs would tend to volatilize from soil on skin and are accounted for via the inhalation route. Similarly, USEPA recommends that the dermal pathway not be quantitated for inorganics without an available chemical-specific dermal absorption factor since the speciation of the compound is critical to the dermal absorption (USEPA, 2004a).

Fraction Contacted

SWMUs or AOCs are not located in the Nature Preserve Primary Area where the multi-use trail is planned. Therefore, it was assumed that a trail user would come into contact with COPCs in surface soil only a portion of the time present on site. A similar assumption was used for the Future Forest Ranger. It was assumed that workers in the Ranger Office would spend most of their time in the office or in portions of the site where trails or public use areas are located, the nature preserve primary area and proposed ranger office is not located near COPCs in surface soil.

Soil Exposure Frequency, Duration and Time

Exposure frequency refers to the number of days per year that an individual is exposed to site COPCs. Exposure duration refers to the number of years in which exposure occurs.

Future NCNG User

Typically, NCNG members are required to attend one drill weekend each month and one annual training period (usually 2 weeks in the summer) each year. Weekend drills usually consist of one Saturday and Sunday each month, but occasionally include reporting for duty on Friday night. Therefore, a site-specific exposure frequency of 3 days per month (for 11 months) plus 2 weeks per year (or 47 days/year) was assumed. An exposure time of 24 hours/day was assumed since overnight stays would occur. An exposure duration of 8 years was assumed, which is consistent with the minimum service obligation.

Future DuPont State Recreational Forest Worker

A site-specific exposure frequency of five days per week for nine months was assumed (or 180 days per year) for future DSRF workers. The exposure frequency assumes that limited soil contact would occur during the winter months (when the ground is covered with frost or is frozen for 3 months out of the year).

Future Utility/Excavation Workers

For on-site utility/excavation workers, it was assumed that a worker may come into contact with soil (surface and subsurface) during inspection and repair of utility lines for eight hours per day, two work weeks per year (or 10 days per year) for 25 years.

Future DuPont State Recreational Forest Users (Adult/Child Trail Users)

Based on professional judgment, conservative estimates of exposure time, frequency and duration were assumed for future trail users. It was assumed that potential receptors would visit the DSRF more frequently in the summer months (5 days per week) and less frequently in the spring and fall months (2 days per week). This value (108 days per year) is considered consistent with activity patterns discussed in the USEPA's *Exposure Factors Handbook* (USEPA, 2011) and the range of values recommended by other states and regions for recreational land use (such as Maine – 90 days per year and Virginia – 195 days per year).

An exposure time of 8 hour per day was assumed consistent with picnic pavilion rental periods.

5.3.3 Toxicity Values

Tables provided in Appendix C lists the numerical toxicity values that were used in the RL derivation. The values are reference doses (RfDs) or reference concentrations (RfCs) for systemic (noncancer) effects and slope factors (SFs) or unit risk factors (URFs) for cancer effects. In accordance with USEPA guidance (USEPA, 2003), toxicity values specific to the oral and inhalation pathways were obtained from EPA's Integrated Risk Information System (IRIS) online database (USEPA, 2014b). Where a toxicity value was not available in IRIS the following hierarchy of sources was reviewed to identify the most up-to-date toxicity information:

- ❑ Provisional toxicity values obtained from the USEPA Environmental Criteria and Assessment Office (ECAO) as reported in the USEPA's Regional Screening Level Table (USEPA, 2014c).
- ❑ Agency for Toxic Substances and Disease Registry (ATSDR) Minimal Risk Levels (MRLs) (ATSDR, 2013).
- ❑ California EPA toxicity values as cited in the USEPA's Regional Screening Level Table (USEPA, 2014c).
- ❑ Health Effects Assessment Summary Tables (HEAST) (USEPA, 1997)

Oral toxicity values used to evaluate dermal absorption were considered for adjustment in the RL derivation using the recommended criteria as found in the 2004 USEPA *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)*. Following the guidance document, toxicity values are adjusted for gastrointestinal absorption only where chemical-specific gastrointestinal absorption values were less than 50%. The following site-specific constituents met this criterion: antimony, nickel, silver and vanadium.

Recommendations presented in the USEPA *Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens* (USEPA 2005a) were utilized in

the RL derivation. This guidance document recommends 10-fold and 3-fold adjustments in SFs to be combined with age-specific exposure estimates when estimating cancer risks from early life exposure (young children and adolescents) to carcinogens that act through a mutagenic mode of action (such as benzo[a]pyrene). Age-dependent adjustment factors (ADAFs) for child trail users are detailed in the Appendix C tables.

5.3.4 Direct Contact RL Summary

Table 13 provides a summary of the RLs calculated for each potential receptor. The lower of the non-carcinogenic and carcinogenic values is shown in the table for each analyte for each receptor. The minimum, or lowest, RL represents the trail user (adult/child) scenario or forest ranger scenario.

The site-specific direct contact RLs presented in the table should not be considered a “not-to-exceed” concentration, but rather consistent with USEPA guidance (USEPA, 2004b) are recommended to be implemented as an average concentration (such as a 95 percent upper confidence limit of the mean [UCL₉₅]) during remedial action.

Table 14 provides a comparison of historical RFI surface soil data to the RL range. As shown in the table, only one COPC (7,12-dimethylbenz(a)anthracene) had a UCL above the upper end of the RLs based on a HQ=1 and a target risk of 1×10^{-6} range. The COPC exceedance was observed in one surface soil sample location collected at AOC A (Fuel Oil Tank Farm). No detections were noted above the RLs based on a HQ=1 and a target risk of 1×10^{-4} . Additional surface soil sampling is planned at AOC A and other site areas during the final phase of the RFI.

6.0 Summary

A summary of the site-specific soil and groundwater RL values derived for protection of human health and the environment is provided on the following pages and in Table 15. Included in the summary are:

- Site-specific groundwater RLs,
- Site-specific soil RLs protective of the soil migration to groundwater pathway, and
- Site-specific direct contact soil RLs. The direct contact soil RLs are presented as a range (minimum and maximum) for each COPC identified in surface and subsurface soils. The minimum and maximum values are derived from the evaluation of specific receptors using the acceptable target cancer risk levels (10^{-6} to 10^{-4}) and a target HQ of 1, where the lower of the non-carcinogenic or carcinogenic value is the RL. For surface soils, potential receptors are: Forest Ranger, National Guard, Utility Worker, Trail User (Adult/Child). For subsurface soils, a Utility Worker is the only potential receptor. The full list of values for individual receptors at a HQ of 1 and risk levels of 10^{-6} , 10^{-5} , and 10^{-4} is provided in Table 13.

As noted earlier, the RLs will be used to support the remedial approach for the site. Additional sampling activities are planned during the final phase of the RFI. These RLs will be used to evaluate the data collected during the investigation and provide information to support remedial-decision making based on planned future land uses.

Analyte		Groundwater RLs ¹ (ug/L)	Soil RLs (mg/kg)				
			Soil RL for Protection of Migration to Groundwater ²	Surface Soil Direct Contact Min RL ³	Surface Soil Direct Contact Max RLs ⁴	Subsurface Soil Direct Contact Min RLs ⁵	Subsurface Soil Direct Contact Max RLs ⁵
				(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)	(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)
<i>Volatile Organic Compounds</i>							
1,1,2,2-Tetrachloroethane	c	2.00E+03	1.18E+01	-	-	5.08E+01	5.08E+03
1,1,2-Trichloroethane	c	8.00E+03	4.22E+01	-	-	1.11E+02	1.69E+02
1,2-Dichloroethane	c	1.85E+04	9.02E+01	-	-	4.78E+01	3.52E+03
Benzene	c	2.55E+04	1.86E+02	-	-	1.12E+02	9.25E+03
Carbon Tetrachloride	c	8.00E+02	-	-	-	-	-
Chloroform	c	1.40E+04	-	-	-	-	-
cis-1,2 Dichloroethene	n	2.95E+05	1.50E+03	-	-	-	-
Ethylbenzene	c	-	-	-	-	5.62E+02	5.62E+04
Tetrachloroethene	c	1.65E+03	1.18E+01	-	-	2.38E+03	9.17E+03
Trichloroethene	c	1.50E+04	8.87E+01	-	-	-	-
Vinyl Chloride	c	1.20E+03	7.69E+00	-	-	-	-
<i>Semivolatile Organic Compounds</i>							
1,2-Diphenylhydrazine	c	-	-	-	-	6.06E+02	6.06E+04
1-Methylnaphthalene	c	-	-	-	-	2.51E+04	2.51E+04
2-Methylnaphthalene	n	-	-	-	-	-	-
1,4-Dioxane	c	4.00E+04	-	7.02E-02	1.21E+02	-	-
3-Methylcholanthrene	c	-	-	5.79E-03	9.24E+00	-	-
7,12-Dimethylbenz[A] Anthracene	c	-	-	1.98E+00	3.16E+03	2.41E+01	2.41E+03
Benzo(a)anthracene	c	-	-	1.98E+00	3.16E+03	2.41E+01	2.41E+03
Benzo(b)fluoranthene	c	-	-	1.98E+01	3.16E+04	-	-
Benzo(k)fluoranthene	c	-	-	1.98E-01	3.16E+02	2.41E+00	2.41E+02
Benzo(a)pyrene	c	-	-	1.98E+02	3.16E+05	-	-
Chrysene	c	-	-	1.98E-01	3.16E+02	-	-
Dibenz(a,h)anthracene	c	-	-	-	-	8.85E+03	8.85E+03
Dibenzofuran	n	-	-	1.98E+00	3.16E+03	-	-
Indeno(1,2,3-cd)pyrene	c	-	-	2.50E+01	1.45E+04	4.50E+02	1.45E+04
Naphthalene	c	-	-				
<i>Dowtherm Constituents</i>							
Biphenyl	c	6.94E+03	8.96E+02	-	-	1.00E+05	1.00E+05
Diphenyl Ether	n	1.60E+04					
<i>Inorganics</i>							
Antimony	n	1.50E+04	-	4.06E+02	3.54E+03	3.54E+03	3.54E+03
Arsenic	c	5.00E+03	-	-	-	-	-
Beryllium	c	3.25E+03	-	-	-	-	-
Cadmium	c	2.00E+02	-	-	-	-	-
Chromium	c	2.50E+04	1.18E+01	-	-	5.08E+01	5.08E+03

*

Analyte		Groundwater RLs ¹ (ug/L)	Soil RLs (mg/kg)				
			Soil RL for Protection of Migration to Groundwater ²	Surface Soil Direct Contact Min RL ³	Surface Soil Direct Contact Max RLs ⁴	Subsurface Soil Direct Contact Min RLs ⁵	Subsurface Soil Direct Contact Max RLs ⁵
				(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)	(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)
Cobalt	c	2.00E+03	-	3.04E+02	2.65E+03	2.65E+03	2.65E+03
Iron	n	5.00E+05	-	-	-	-	-
Lead		7.50E+03	-	-	-	-	-
Manganese	n	6.00E+04	-	-	-	-	-
Nickel	c	-	-	-	-	1.00E+05	1.00E+05
Silver	n	-	-	5.07E+03	4.42E+04	4.42E+04	4.42E+04
Thallium	n	-	-	1.01E+01	8.85E+01	8.85E+01	8.85E+01
Vanadium	n	1.00E+04	-	5.07E+03	4.41E+04	4.41E+04	4.41E+04
Zinc	n	-	-	-	-	1.00E+05	1.00E+05

- 1 - Groundwater RLs calculations are detailed in Table 5.
- 2 - RLs for protection of migration to groundwater are calculated in Table 10.
- 3 - RL shown is the minimum RL from the RLs calculated for each of the four receptors (Forest Ranger, National Guard User, Utility Worker or Trail User) evaluated for the endpoint indicated (target risk and HQ).
RLs are presented for each receptor in Table 13.
- 4 - RL shown is the maximum RL from the RLs calculated for each of the four receptors (Forest Ranger, National Guard User, Utility Worker or Trail User) evaluated for the endpoint indicated (target risk and HQ).
RLs are presented for each receptor in Table 13.
- 5 - RL shown is the RL calculated for the utility worker for the endpoint indicated (target risk and HQ).
RLs are presented for each receptor in Table 13.

* - A non-risk-based "ceiling limit" concentration of 10⁵ mg/kg
 HQ = Hazard Quotient
 mg/kg - milligrams per kilogram
 c - carcinogen
 n - non-carcinogen

7.0 References

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Tables

Table 1
Constituents of Potential Concern in Surficial Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Detection Frequency	Minimum Detect	Maximum Detect	NC 2L ²	NC IMAC ²	COPC Y/N? ³
<i>Volatile Organic Compounds</i>										
1,1,1-Trichloroethane	71-55-6	UG/L	167	6	4%	0.2	2.5	200		No
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	167	15	9%	0.2	93	0.2		Yes
1,1,2-Trichloroethane	79-00-5	UG/L	167	13	8%	0.1	6.1		0.6	Yes
1,1,2-Trichlorotrifluoroethane	76-13-1	UG/L	74	5	7%	0.3	11	200000		No
1,1-Dichloroethane	75-34-3	UG/L	167	37	22%	0.1	1.6	6		No
1,1-Dichloroethene	75-35-4	UG/L	167	32	19%	0.1	3.1	7		No
1,2,4-Trichlorobenzene	120-82-1	UG/L	137	1	1%	0.2	0.2	70		No
1,2-Dichlorobenzene	95-50-1	UG/L	197	1	1%	0.2	0.2	20		No
1,2-Dichloroethane	107-06-2	UG/L	167	13	8%	0.1	1.7	0.4		Yes
1,4-Dichlorobenzene	106-46-7	UG/L	197	4	2%	0.1	0.12	6		No
Acetone	67-64-1	UG/L	167	90	54%	1.2	29	6000		No
Benzene	71-43-2	UG/L	167	55	33%	0.1	9	1		Yes
Carbon Tetrachloride	56-23-5	UG/L	167	5	3%	0.12	5.3	0.3		Yes
Chlorodibromomethane	124-48-1	UG/L	167	1	1%	0.13	0.13	0.4		No
Chloroform	67-66-3	UG/L	167	16	10%	0.1	6.1	70		No
cis-1,2 Dichloroethene	156-59-2	UG/L	167	63	38%	0.1	660	70		Yes
Cumene	98-82-8	UG/L	74	3	4%	0.1	0.2	70		No
Cyclohexane	110-82-7	UG/L	74	3	4%	0.1	0.2	No Value	No Value	-
Dichlorodifluoromethane	75-71-8	UG/L	167	6	4%	0.13	0.72	1000		No
Ethyl Chloride	75-00-3	UG/L	167	25	15%	0.1	2.5	3000		No
Ethylbenzene	100-41-4	UG/L	167	5	3%	0.2	0.7	600		No
Iodomethane	74-88-4	UG/L	93	1	1%	0.47	0.47	No Value	No Value	-
Meta- And Para-Xylene	EV50253	UG/L	63	1	2%	0.23	0.23	500		No
Methyl Ethyl Ketone	78-93-3	UG/L	167	3	2%	2.7	300	4000		No
Methyl Isobutyl Ketone	108-10-1	UG/L	167	1	1%	0.58	0.58		100	No
Methylene Bromide	74-95-3	UG/L	93	1	1%	0.28	0.28		70	No
Methylene Chloride	75-09-2	UG/L	167	15	9%	0.1	0.34	5		No
Tetrachloroethene	127-18-4	UG/L	167	45	27%	0.1	43	0.7		Yes
Toluene	108-88-3	UG/L	167	27	16%	0.1	9.7	600		No
trans-1,2-Dichloroethene	156-60-5	UG/L	167	29	17%	0.1	81	100		No
Trichloroethene	79-01-6	UG/L	167	42	25%	0.1	310	3		Yes
Trichlorofluoromethane	75-69-4	UG/L	167	20	12%	0.1	26	2000		No
Vinyl Chloride	75-01-4	UG/L	167	72	43%	0.0045	32	0.03		Yes
Xylenes	1330-20-7	UG/L	167	6	4%	0.2	0.5	500		No
<i>Semivolatile Organic Compounds</i>										
1,2-Diphenylhydrazine	122-66-7	UG/L	93	3	3%	0.6	0.9	No Value	No Value	-
1,4-Dioxane	123-91-1	UG/L	167	37	22%	1	62	3		Yes
1-Methylnaphthalene	90-12-0	UG/L	93	4	4%	0.016	0.1		1	No
2-Methylnaphthalene	91-57-6	UG/L	197	15	8%	0.011	0.15	30		No
Acenaphthene	83-32-9	UG/L	167	8	5%	0.012	0.14	80		No
Benzo(A)Anthracene	56-55-3	UG/L	167	2	1%	0.0092	0.022	0.05		No
Benzo(B)Fluoranthene	205-99-2	UG/L	167	3	2%	0.0089	0.033	0.05		No
Benzo(G,H,I)Perylene	191-24-2	UG/L	167	1	1%	0.034	0.034	200		No
Benzo(K)Fluoranthene	207-08-9	UG/L	167	3	2%	0.0091	0.034	0.5		No
Benzo[A]Pyrene	50-32-8	UG/L	167	2	1%	0.0086	0.027	0.005		LFD
Bis(2-Ethylhexyl)Phthalate	117-81-7	UG/L	137	3	2%	1.3	1.6	3		No
Chrysene	218-01-9	UG/L	167	1	1%	0.023	0.023	5		No
Dibenz(A,H)Anthracene	53-70-3	UG/L	167	1	1%	0.033	0.033	0.005		LFD

Table 1
Constituents of Potential Concern in Surficial Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Detection Frequency	Minimum Detect	Maximum Detect	NC 2L ²	NC IMAC ²	COPC Y/N? ³
Dibenzofuran	132-64-9	UG/L	167	5	3%	2	4		28	No
Diethyl Phthalate	84-66-2	UG/L	137	18	13%	1	24	6000		No
Fluoranthene	206-44-0	UG/L	167	2	1%	0.0098	0.012	300		No
Fluorene	86-73-7	UG/L	167	18	11%	0.0065	0.13	300		No
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	167	1	1%	0.032	0.032	0.05		No
Naphthalene	91-20-3	UG/L	197	80	41%	0.0051	4	6		No
Phenanthrene	85-01-8	UG/L	167	13	8%	0.024	0.11	200		No
Phenol	108-95-2	UG/L	167	3	2%	0.6	2	30		No
Pyrene	129-00-0	UG/L	167	3	2%	0.0082	0.015	200		No
<i>Dowtherm Constituents</i>										
Biphenyl	92-52-4	UG/L	104	17	16%	0.9	630	400		Yes
Diphenyl Ether	101-84-8	UG/L	104	36	35%	1	2100		100	Yes
<i>Glycols</i>										
Diethylene Glycol	111-46-6	UG/L	102	8	8%	5280	12400	No Value	No Value	-
Ethylene Glycol	107-21-1	UG/L	102	2	2%	5690	8910	10000		No
Triethylene Glycol	112-27-6	UG/L	102	1	1%	8220	8220	No Value	No Value	-
<i>Inorganics</i>										
Antimony	7440-36-0	MG/L	165	2	1%	0.0032	0.0409		0.001	LFD
Arsenic	7440-38-2	MG/L	165	7	4%	0.0005	0.02	0.01		Yes
Barium	7440-39-3	MG/L	165	158	96%	0.0006	0.39	0.7		No
Beryllium	7440-41-7	MG/L	165	38	23%	0.00051	0.0046		0.004	Yes
Cadmium	7440-43-9	MG/L	165	7	4%	0.00011	0.0037	0.002		Yes
Chromium	7440-47-3	MG/L	165	22	13%	0.00091	0.0137	0.01		Yes
Cobalt	7440-48-4	MG/L	165	52	32%	0.00072	0.0911		0.001	Yes
Copper	7440-50-8	MG/L	165	22	13%	0.002	0.0194	1		No
Iron	7439-89-6	MG/L	73	52	71%	0.0569	76.4	0.3		Yes
Lead	7439-92-1	MG/L	165	25	15%	0.000062	0.0284	0.015		Yes
Manganese	7439-96-5	MG/L	73	72	99%	0.0023	7.58	0.05		Yes
Mercury	7439-97-6	MG/L	165	61	37%	0.000000132	0.00024	0.001		No
Nickel	7440-02-0	MG/L	165	47	28%	0.00067	0.0318	0.1		No
Selenium	7782-49-2	MG/L	165	1	1%	0.008	0.008	0.02		No
Silver	7440-22-4	MG/L	165	1	1%	0.0065	0.0065	0.02		No
Thallium	7440-28-0	MG/L	165	1	1%	0.0098	0.0098		0.0002	LFD
Tin	7440-31-5	MG/L	62	5	8%	0.0074	0.0111		2	No
Vanadium	7440-62-2	MG/L	165	25	15%	0.0007	0.0391		0.0003	Yes
Zinc	7440-66-6	MG/L	165	89	54%	0.0022	0.1	1		No

ug/L - micrograms per liter

mg/L - milligrams per liter

Notes:

1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2007 and 2013. Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

3 - COPC Notes

LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

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Indicates exceedance of a screening level.

Table 2
Constituents of Potential Concern in Bedrock Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Detection Frequency	Minimum Detect	Maximum Detect	NC 2L ²	NC IMAC ²	COPC Y/N?
<i>Volatile Organic Compounds</i>										
1,1,2-Trichlorotrifluoroethane	76-13-1	UG/L	7	2	29%	0.9	1.3	200000		No
Acetone	67-64-1	UG/L	7	7	100%	3.7	7.9	6000		No
Benzene	71-43-2	UG/L	7	1	14%	0.1	0.1	1		No
Chloroform	67-66-3	UG/L	7	3	43%	1	6.3	70		No
cis-1,2 Dichloroethene	156-59-2	UG/L	7	3	43%	0.6	1.7	70		No
Methylene Chloride	75-09-2	UG/L	7	1	14%	0.2	0.2	5		No
Tetrachloroethene	127-18-4	UG/L	7	3	43%	0.2	3.7	0.7		Yes
Toluene	108-88-3	UG/L	7	1	14%	0.2	0.2	600		No
trans-1,2-Dichloroethene	156-60-5	UG/L	7	2	29%	0.2	0.6	100		No
Trichloroethene	79-01-6	UG/L	7	4	57%	1	61	3		Yes
Trichlorofluoromethane	75-69-4	UG/L	7	2	29%	0.1	0.5	2000		No
Vinyl Chloride	75-01-4	UG/L	7	1	14%	0.012	0.012	0.03		No
<i>Semivolatile Organic Compounds</i>										
1,4-Dioxane	123-91-1	UG/L	7	1	14%	4	4	3		Yes
<i>Dowtherm Constituents</i>										
Biphenyl	92-52-4	UG/L	7	1	14%	10	10	400		No
Diphenyl Ether	101-84-8	UG/L	7	1	14%	30	30		100	No
<i>Glycols</i>										
Ethylene Glycol	107-21-1	UG/L	7	1	14%	6460	6460	10000		No
<i>Inorganics</i>										
Barium	7440-39-3	MG/L	7	7	100%	0.0009	0.0792	0.7		No
Beryllium	7440-41-7	MG/L	7	1	14%	0.0032	0.0032		0.004	No
Copper	7440-50-8	MG/L	7	1	14%	0.0038	0.0038	1		No
Iron	7439-89-6	MG/L	7	7	100%	0.495	19.3	0.3		Yes
Lead	7439-92-1	MG/L	7	1	14%	0.0178	0.0178	0.015		Yes
Manganese	7439-96-5	MG/L	7	7	100%	0.0108	1.23	0.05		Yes
Mercury	7439-97-6	MG/L	7	7	100%	0.000000148	0.000022	0.001		No
Zinc	7440-66-6	MG/L	7	3	43%	0.0123	0.0314	1		No

ug/L - micrograms per liter

mg/L - milligrams per liter

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Notes:

1 - Constituents detected in bedrock monitoring wells during the Phase III RFI (2009). Field duplicates included in statistical summary.

2 - Sources of screening criteria:

NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)

NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 3
Constituents of Potential Concern in Water Supply Wells
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Detection Frequency	Minimum Detect	Maximum Detect	NC 2L ²	NC IMAC ²	COPC Y/N? ³
<i>Volatile Organic Compounds</i>										
1,1,1-Trichloroethane	71-55-6	UG/L	18	1	6%	0.21	0.21	200		No
1,1,2-Trichloroethane	79-00-5	UG/L	18	1	6%	0.11	0.11		0.6	No
1,1-Dichloroethane	75-34-3	UG/L	18	1	6%	1.1	1.1	6		No
1,1-Dichloroethene	75-35-4	UG/L	18	1	6%	0.11	0.11	7		No
1,2-Dichloropropane	78-87-5	UG/L	18	1	6%	0.24	0.24	0.6		No
1,4-Dichlorobenzene	106-46-7	UG/L	20	3	15%	0.12	0.22	6		No
Acetone	67-64-1	UG/L	18	9	50%	1.4	3.8	6000		No
Benzoic Acid	65-85-0	UG/L	4	2	50%	9	10	30000		No
Bromodichloromethane	75-27-4	UG/L	18	1	6%	30	30	0.6		No (See Note)
Bromoform	75-25-2	UG/L	18	1	6%	0.83	0.83	4		No
Carbon Disulfide	75-15-0	UG/L	18	3	17%	0.17	2.7	700		No
Carbon Tetrachloride	56-23-5	UG/L	18	1	6%	5.1	5.1	0.3		Yes
Chlorodibromomethane	124-48-1	UG/L	18	1	6%	6.3	6.3	0.4		No (See Note)
Chloroform	67-66-3	UG/L	18	6	33%	0.39	1000	70		Yes
cis-1,2 Dichloroethene	156-59-2	UG/L	18	4	22%	13	20	70		No
Ethyl Chloride	75-00-3	UG/L	18	1	6%	1.5	1.5	3000		No
Methyl Ethyl Ketone	78-93-3	UG/L	18	2	11%	2.3	2.8	4000		No
Methylene Chloride	75-09-2	UG/L	18	7	39%	0.15	1.1	5		No
Tetrachloroethene	127-18-4	UG/L	18	4	22%	0.16	0.23	0.7		No
trans-1,2-Dichloroethene	156-60-5	UG/L	18	2	11%	0.29	0.9	100		No
Trichloroethene	79-01-6	UG/L	18	4	22%	4.9	9.1	3		Yes
Vinyl Chloride	75-01-4	UG/L	18	5	28%	0.0087	0.098	0.03		Yes
<i>Semivolatile Organic Compounds</i>										
Benzo(A)Anthracene	56-55-3	UG/L	18	1	6%	0.031	0.031	0.05		No
Benzo(B)Fluoranthene	205-99-2	UG/L	18	1	6%	0.039	0.039	0.05		No
Benzo(G,H,I)Perylene	191-24-2	UG/L	18	1	6%	0.038	0.038	200		No
Benzo(K)Fluoranthene	207-08-9	UG/L	18	1	6%	0.047	0.047	0.5		No
Benzo(A)Pyrene	50-32-8	UG/L	18	1	6%	0.026	0.026	0.005		No (See Note)
Chrysene	218-01-9	UG/L	18	1	6%	0.038	0.038	5		No
Dibenz(A,H)Anthracene	53-70-3	UG/L	18	1	6%	0.039	0.039	0.005		No (See Note)
Fluoranthene	206-44-0	UG/L	18	1	6%	0.01	0.01	300		No
Fluorene	86-73-7	UG/L	18	1	6%	0.0091	0.0091	300		No
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	18	1	6%	0.037	0.037	0.05		No
Naphthalene	91-20-3	UG/L	18	9	50%	0.0058	0.017	6		No
Phenol	108-95-2	UG/L	18	2	11%	4.4	4.6	30		No
Pyrene	129-00-0	UG/L	18	1	6%	0.01	0.01	200		No
<i>Inorganics</i>										
Antimony	7440-36-0	MG/L	18	2	11%	0.0043	0.0096		0.001	Yes
Arsenic	7440-38-2	MG/L	18	1	6%	0.0042	0.0042	0.01		No
Barium	7440-39-3	MG/L	18	13	72%	0.00069	0.0079	0.7		No
Beryllium	7440-41-7	MG/L	18	4	22%	0.00052	0.0007		0.004	No
Cadmium	7440-43-9	MG/L	18	3	17%	0.00033	0.00099	0.002		No
Chromium	7440-47-3	MG/L	18	6	33%	0.001	0.0096	0.01		No
Cobalt	7440-48-4	MG/L	18	2	11%	0.00088	0.00096		0.001	No
Copper	7440-50-8	MG/L	18	12	67%	0.0023	0.219	1		No
Iron	7439-89-6	MG/L	7	4	57%	0.0728	7.9	0.3		Yes
Lead	7439-92-1	MG/L	18	3	17%	0.0039	0.0074	0.015		No
Manganese	7439-96-5	MG/L	7	5	71%	0.0012	0.0286	0.05		No

Table 3
Constituents of Potential Concern in Water Supply Wells
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Detection Frequency	Minimum Detect	Maximum Detect	NC 2L ²	NC IMAC ²	COPC Y/N? ³
Mercury	7439-97-6	MG/L	18	5	28%	0.000000168	0.000000526	0.001		No
Nickel	7440-02-0	MG/L	18	9	50%	0.00069	0.0082	0.1		No
Tin	7440-31-5	MG/L	11	4	36%	0.0073	0.0113		2	No
Vanadium	7440-62-2	MG/L	18	4	22%	0.00095	0.0045		0.0003	Yes
Zinc	7440-66-6	MG/L	18	11	61%	0.0038	0.35	1		No

ug/L - micrograms per liter
mg/L - milligrams per liter

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Notes:

- 1 - Constituents detected in water supply wells during RFI sampling between 2007 and 2009. Field duplicates included in statistical summary.
- 2 - Sources of screening criteria:
 - NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
 - NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
- 3 - COPC Notes
 - No (See Note) - Analyte detected one time in one monitoring well location during 2007 sampling, ND in 2009 sampling.

Indicates exceedance of a screening level.

Table 4
Site-Specific Surface Water Screening Levels
 DuPont Former Brevard Facility

Water Quality Standard (mg/L) - Fish Tissue Consumption

$$\text{WQS} = \frac{\text{RfD} \times \text{BW}}{(\text{IRf} \times \text{BCF})} \quad \text{Non-carcinogenic Endpoint}$$

Intake Parameter		Value	Source
WQS	Water Quality Standard (mg/L)	Calculated	
RfD	Reference Dose - oral (mg/kg-day)	Chemical-specific	USEPA, 2013
FCR	Fish Consumption Rate (kg/day)	0.0175	15A NCAC 02B.0208
BCF	Bioconcentration factor (L/kg)	Chemical-specific	RAIS (EPISUITE for Vanadium)
BW	Body Weight (kg)	70	15A NCAC 02B.0208

COPC	RfDo	BCF	WQS
Beryllium	2.00E-03	100	8.00E-02
Cadmium	5.00E-04	200	1.00E-02
Iron	7.00E-01	2.00E+02	1.40E+01
Manganese	1.40E-01	4.00E+02	1.40E+00
Vanadium	5.04E-03	3.16E+00	6.38E+00

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References:

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Table 5
Proposed ACLs
Former DuPont Brevard Facility
Cedar Mountain, NC

Groundwater COPCs ¹	CAS No.	Surficial Aquifer	WSW	Bedrock	Fate and Transport Characteristics						Water Quality Screening Level							Limiting Water Quality Criteria (ug/L)	Basis ⁸	Proposed ACL (ug/L) ⁹	Perimeter Max Detect (ug/L) ¹⁰
					MW ² (g/mole)	Solubility (mg/L) ²	Koc (L/kg) or Kd (cm ³ /kg) ^{2,3}	Henry's Law Constant (atm-m ³ /mole) ²	BCF (L/kg) ⁴	Volatilization Half-Life (hours) ⁵	Protection of Human Health ⁶			Protection of Aquatic Life ⁷							
											15A NCAC 2B - Fish Consumption	Secondary Screening Level	Source	15A NCAC 2B - FW Chronic	15A NCAC 2B - Trout Waters	Secondary Screening Level	Source				
<i>Volatile Organic Compounds</i>																					
1,1,2,2-Tetrachloroethane	79-34-5	X			1.68E+02	2.83E+03	9.49E+01	3.67E-04	1.30E+01	3.40E+00	4.00E+00			NE	NE	6.10E+02	Tier II SCV	4.00E+00	HH	2.00E+03	1.10E+01
1,1,2-Trichloroethane	79-00-5	X			1.33E+02	4.59E+03	6.07E+01	8.24E-04	5.00E+00	4.61E+02	1.60E+01			NE	NE	1.20E+03	Tier II SCV	1.60E+01	HH	8.00E+03	2.00E-01
1,2-Dichloroethane	107-06-2	X			9.90E+01	8.60E+03	3.96E+01	1.18E-03	4.40E+00	1.50E+00	3.70E+01			NE	NE	9.10E+02	Tier II SCV	3.70E+01	HH	1.85E+04	3.00E-01
Benzene	71-43-2	X			7.81E+01	1.79E+03	1.46E+02	5.55E-03	4.27E+00	<1	5.10E+01			NE	NE	1.30E+02	Tier II SCV	5.10E+01	HH	2.55E+04	1.20E+00
Carbon Tetrachloride	56-23-5	X			1.54E+02	7.93E+02	4.39E+01	2.76E-02	7.40E+00	3.66E+00	1.60E+00			NE	NE	9.80E+00	Tier II SCV	1.60E+00	HH	8.00E+02	4.20E+00
Chloroform	67-66-3		X		1.19E+02	7.95E+03	3.18E+01	3.67E-03	1.30E+01	1.30E+00	1.70E+02			NE	NE	2.80E+01	Tier II SCV	2.80E+01	AQ	1.40E+04	6.30E+00
cis-1,2 Dichloroethene	156-59-2	X			9.69E+01	6.41E+03	3.96E+01	4.08E-03	1.11E+01	1.10E+00	7.20E+02			NE	NE	5.90E+02	Tier II SCV	5.90E+02	AQ	2.95E+05	1.30E+01
Tetrachloroethene	127-18-4	X		X	1.66E+02	2.06E+02	9.49E+01	1.77E-02	5.20E+01	1.40E+00	3.30E+00			NE	NE	9.80E+01	Tier II SCV	3.30E+00	HH	1.65E+03	6.90E+00
Trichloroethene	79-01-6	X	X	X	1.31E+02	1.28E+03	6.07E+01	9.85E-03	1.60E+01	1.20E+00	3.00E+01			NE	NE	4.70E+01	Tier II SCV	3.00E+01	HH	1.50E+04	1.10E+02
Vinyl Chloride	75-01-4	X	X		6.25E+01	8.80E+03	2.17E+01	2.78E-02	5.47E+00	<1	2.40E+00			NE	NE	9.30E+02	Region III	2.40E+00	HH	1.20E+03	1.20E+00
<i>Semivolatile Organic Compounds</i>																					
1,4-Dioxane	123-91-1	X		X	8.81E+01	1.00E+06	2.63E+00	4.80E-06	5.00E-01	1.75E+02	8.00E+01			NE	NE	2.20E+04	Region V	8.00E+01	HH	4.00E+04	1.60E+01
<i>Dowtherm Constituents</i>																					
Biphenyl	92-52-4	X			1.54E+02	6.94E+00	5.13E+03	3.08E-04	4.37E+02	7.17E+00	8.60E+02			1.80E+01	NE			1.80E+01	AQ	6.94E+03	1.40E+01
Diphenyl Ether	101-84-8	X			1.70E+02	1.60E+01	2.60E+03	2.80E-04	NA	NA	NE	1.00E+02	NC IMAC	NE	NE	1.10E+03	DuPont	1.00E+02	HH	1.60E+04	1.60E+02
<i>Inorganics</i>																					
Antimony	7440-36-0		X		1.25E+02	-	4.50E+01	-	1.00E+02	-	6.40E+02			NE	NE	3.00E+01	NAWQC	3.00E+01	AQ	1.50E+04	ND
Arsenic	7440-38-2	X			7.80E+01	-	2.90E+01	-	3.00E+02	-	1.00E+01			5.00E+01	NE			1.00E+01	HH	5.00E+03	5.00E-01
Beryllium	7440-41-7	X			9.01E+00	-	7.90E+02	-	1.00E+02	-	NE	8.00E+01	DuPont	6.50E+00	NE			6.50E+00	AQ	3.25E+03	4.60E+00
Cadmium	7440-43-9	X			1.12E+02	-	7.50E+01	-	2.00E+02	-	NE	1.00E+01	DuPont	2.00E+00	4.00E-01			4.00E-01	AQ	2.00E+02	1.10E-01
Chromium	7440-47-3	X			5.20E+01	-	1.80E+06	-	2.00E+02	-	NE	1.00E+02	MCL	5.00E+01	NE			5.00E+01	AQ	2.50E+04	7.20E+00
Cobalt	7440-48-4	X			5.89E+01	-	4.50E+01	-	3.00E+02	-	4.00E+00			NE	NE	2.30E+01	Tier II SCV	4.00E+00	HH	2.00E+03	4.92E+01
Iron	7439-89-6	X	X	X	5.59E+01	-	2.50E+01	-	2.00E+02	-	NE	1.40E+04	DuPont	1.00E+03	NE			1.00E+03	AQ	5.00E+05	7.64E+04
Lead	7439-92-1	X		X	2.07E+02	-	9.00E+02	-	3.00E+02	-	NE	1.50E+01	NC 2L	2.50E+01	NE			1.50E+01	HH	7.50E+03	1.78E+01
Manganese	7439-96-5	X		X	5.49E+01	-	6.50E+01	-	4.00E+02	-	NE	1.40E+03	DuPont	NE	NE	1.20E+02	Tier II SCV	1.20E+02	AQ	6.00E+04	7.58E+03
Vanadium	7440-62-2	X	X		5.09E+01	-	1.00E+03	-	-	-	NE	6.38E+03	DuPont	NE	NE	2.00E+01	Tier II SCV	2.00E+01	AQ	1.00E+04	1.52E+01

COPC = Constituent of Potential Concern
CAS = Chemical Abstracts Service
MW = molecular weight
g/mole = Grams per mole
ACL = Alternate Concentration Limit

mg/L = milligrams per liter
L/kg = liters per kilogram
atm-m³/mole =
Koc = partition coefficient
Kd = distribution coefficient

HH - human health
AQ - aquatic
ND - Not detected
NE - Not established

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Table 5
Proposed ACLs
Former DuPont Brevard Facility
Cedar Mountain, NC

Notes:

- 1 - Constituents identified as COPCs in Tables 1-3.
- 2 - Values obtained from USEPA Regional Screening Level Table, November 2013
- Highly soluble ($S > 100$ mg/L), highly volatile (Henry's law constant $> 10^{-3}$ atm-m³/mol), highly sorptive ($\log K_{oc} > 3$)
- 3 - K_d values obtained from Risk Assessment Information System (RAIS), Constituents with $K_d > 10$ are highly sorptive.
- 4 - Bioconcentration Factor (BCF) values obtained from RAIS. Values less than 100 L/kg have low potential for bioaccumulation.
- 5 - Volatilization half-lives based on a model river, obtained from EPISUITE. Constituents with half-lives < 5 days are considered highly biodegradable.
- 6 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only)
 - Little River is a Class C water and is not used as a water supply.
 - In the absence of fish consumption values, the following secondary screening levels were utilized:
 - DuPont -Where NC 2B for HH-org were unavailable, then a surface water standard (SS) was derived consistent with 15A NCAC 02B.0208 for protection of human health (fish consumption).
 - MCL - Federal Maximum Contaminant Levels (Summer 2010)
 - NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
 - NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
- 7 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of aquatic life and trout waters
 - In the absence of chronic values, the following ecological surface water benchmarks were utilized:
 - Tier II Secondary Chronic Value (SCV) - Suter, G.W. II, and Tsao, C.L. 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota
 - EPA Region III - Freshwater Ecological Screening Benchmark
 - EPA Region V - Surface Water Ecological Screening Level
 - NAWQC - National Recommended Water Quality Criteria (2009) for protection of aquatic life (freshwater chronic).
 - DuPont - DuPont-derived effects threshold concentration
- 8 - Lower of the values for protection of human health (fish consumption or secondary screening levels, where fish values not available) and protection of aquatic life (chronic values or secondary screening levels, where 2B values not available)
- 9 - Proposed ACL is the limiting water quality criterion with an applied attenuation factor of 500; with the exception of values in excess of solubility, which are set at the solubility limit.
- 10 - Surficial and bedrock aquifer perimeter monitoring wells (BR-1, BR-3, BR-5, BR-9, BR-11, MW104A/B, MW105, MW106A/B, MW107A/B, MW108, MW111A/B, MW112A/B, MW207A/B, MW210A/B, MW213, MW214, MW215, MW301A/B, MW302A/B, R87-S8, R87-S9 and R87-S10) .

Table 6
Comparison of Surface Water Analytical Results to NC 2B Standards
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	Units	15A NCAC 2B - Organism Only	15A NCAC 2B - FW Chronic	15A NCAC 2B - Trout Waters	Field Sample ID	21399026	21399028	28223566	GW1H13-SW-5	GW2H13-SW-5	21399030	28223569	GW1H13-SW-6
					Location	SW-4	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6
					Sample Date	02/04/2009	02/04/2009	09/26/2012	04/10/2013	10/10/2013	02/04/2009	09/26/2012	04/10/2013
					Sample Purpose	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Regular Sample
<i>Volatile Organic Compound</i>													
cis-1,2 Dichloroethene	UG/L	4900	590 (Tier II SCV)	No Value		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	UG/L	2.4	930 (Region III)	No Value		<0.010	0.024 J	<0.010	<0.010	<0.010	0.012 J	<0.010	<0.010
<i>Inorganics</i>													
Chromium	MG/L	0.10 (MCL)	0.05	No Value		<0.0030	<0.0030	<0.0011	<0.0011	<0.0016	<0.0030	0.0017 J	<0.0011
Iron	MG/L	14 (DuPont)	1	No Value		0.184 J	0.263				0.141 J		
Lead	MG/L	0.015 (NC 2L)	0.025	No Value		<0.0069	<0.0069	0.000068 J	0.00015 B	<0.000085	<0.0069	0.000081 J	<0.000073
Manganese	MG/L	1.4 (DuPont)	0.120 (Tier II SCV)	No Value		0.0343	0.0368				0.0218		
Vanadium	MG/L	6.4 (DuPont)	0.020 (Tier II SCV)	No Value		<0.0025 UJ	<0.0025 UJ	0.0013 J	<0.0013	<0.0020	<0.0025 UJ	0.0024 J	<0.0013

ug/L - micrograms per liter
mg/L - milligrams per liter

B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
UJ - Not detected. Reporting limit may not be accurate or precise.

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1 - Groundwater COPCs detected in Little River and DERA Creek Tributary between 2009 and 2013 during RFI and CAMU sampling.
2 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life
Little River is a Class C water and is not used as a water supply.
() indicates source of secondary value. See Table 5.

[] and Yellow Shading indicates an exceedance of screening criteria

Table 6
Comparison of Surface Water Analytical Results to NC 2B Standards
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	Units	15A NCAC 2B - Organism Only	15A NCAC 2B - FW Chronic	15A NCAC 2B - Trout Waters	Field Sample ID	GW2H13-SW-6	21399032	21396408	21396410	21399034	21399035	21396414	21396416
					Location	SW-6	SW-7	SW-8	SW-9	SW-10	SW-10	SW-12	SW-13
					Sample Date	10/10/2013	02/04/2009	02/04/2009	02/04/2009	02/04/2009	02/04/2009	02/05/2009	02/05/2009
					Sample Purpose	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Regular Sample	Field Duplicate	Regular Sample	Regular Sample
<i>Volatile Organic Compound</i>													
cis-1,2 Dichloroethene	UG/L	4900	590 (Tier II SCV)	No Value		<0.1	<0.1	<0.1	0.2 J	0.1 J	0.1 J	<0.1	<0.1
Vinyl Chloride	UG/L	2.4	930 (Region III)	No Value		<0.010	<0.010	<0.010	0.064	0.042 J	0.045 J	<0.010	<0.010
<i>Inorganics</i>													
Chromium	MG/L	0.10 (MCL)	0.05	No Value		<0.0016	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030 UJ	<0.0030 UJ
Iron	MG/L	14 (DuPont)	1	No Value			0.125 J	0.566	0.499	0.553	0.574	0.201	0.27
Lead	MG/L	0.015 (NC 2L)	0.025	No Value		<0.000085	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069
Manganese	MG/L	1.4 (DuPont)	0.120 (Tier II SCV)	No Value			0.014	[0.178]	[0.274]	[0.332]	[0.347]	0.0566 J	0.0644 J
Vanadium	MG/L	6.4 (DuPont)	0.020 (Tier II SCV)	No Value		<0.0020	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ

ug/L - micrograms per liter
mg/L - milligrams per liter

B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
UJ - Not detected. Reporting limit may not be accurate or precise.

Draft

1 - Groundwater COPCs detected in Little River and DERA Creek Tributary between 2009 and 2013 during RFI and CAMU sampling.
2 - North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life
Little River is a Class C water and is not used as a water supply.
() indicates source of secondary value. See Table 5.

[] and Yellow Shading indicates an exceedance of screening criteria

Table 7
Constituents of Potential Concern in Surface Soil

Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Site-Specific Background ²	IHSB PSRG Res Soil ³	Exceeds Y/N?	IHSB PSRG Protection of GW ³	Exceeds Y/N?
<i>Volatile Organic Compounds</i>											
Acetone	67-64-1	ug/kg	24	19	14	220		12000000	No	24000	No
Carbon Disulfide	75-15-0	ug/kg	24	6	0.9	2		160000	No	3800	No
Chloroform	67-66-3	ug/kg	24	1	1	1		290	No	340	No
Ethylbenzene	100-41-4	ug/kg	24	1	15	15		5400	No	8100	No
Methyl Ethyl Ketone	78-93-3	ug/kg	24	3	12	37		5600000	No	16000	No
Methylene Chloride	75-09-2	ug/kg	24	5	4	19		56000	No	23	No
Tetrachloroethene	127-18-4	ug/kg	24	1	21	21		17000	No	5	Yes
Toluene	108-88-3	ug/kg	24	2	2	17		820000	No	5500	No
Trichlorofluoromethane	75-69-4	ug/kg	25	9	2	15000		160000	No	24000	No
Xylenes	1330-20-7	ug/kg	24	1	97	97		130000	No	5800	No
<i>Semivolatile Organic Compounds</i>											
1-Methylnaphthalene	90-12-0	ug/kg	11	2	4600	8100		16000	No	55	Yes
2-Methylnaphthalene	91-57-6	ug/kg	24	4	77	11000		46000	No	1600	Yes
3-Methylcholanthrene	56-49-5	ug/kg	24	2	130	1300		5.2	Yes	NV	No
7,12-Dimethylbenz[A]Anthracene	57-97-6	ug/kg	24	2	39	5700		0.43	Yes	NV	No
Acenaphthene	83-32-9	ug/kg	24	8	50	25000		680000	No	8400	Yes
Acenaphthylene	208-96-8	ug/kg	24	4	56	520		NV	No	21000	No
Anthracene	120-12-7	ug/kg	24	9	74	37000		3400000	No	660000	No
Benzo(A)Anthracene	56-55-3	ug/kg	24	11	52	48000		150	Yes	180	Yes
Benzo(B)Fluoranthene	205-99-2	ug/kg	24	11	61	51000		150	Yes	600	Yes
Benzo(G,H,I)Perylene	191-24-2	ug/kg	24	11	41	12000		NV	No	7800000	No
Benzo(K)Fluoranthene	207-08-9	ug/kg	24	9	85	23000		1500	Yes	5900	Yes
Benzo[A]Pyrene	50-32-8	ug/kg	24	11	49	41000		15	Yes	59	Yes
Bis(2-Ethylhexyl)Phthalate	117-81-7	ug/kg	24	8	82	470		35000	No	7200	No
Butyl Benzyl Phthalate	85-68-7	ug/kg	24	3	130	290		260000	No	150000	No
Carbazole	86-74-8	ug/kg	11	2	420	21000		NV	No	370	Yes
Chrysene	218-01-9	ug/kg	24	11	47	54000		15000	Yes	18000	Yes
Dibenz(A,H)Anthracene	53-70-3	ug/kg	24	9	60	4200		15	Yes	190	Yes
Dibenzofuran	132-64-9	ug/kg	24	8	95	15000		16000	No	5200	Yes
Di-N-Butyl Phthalate	84-74-2	ug/kg	24	1	140	140		1200000	No	19000	No
Fluoranthene	206-44-0	ug/kg	24	12	68	130000		460000	No	330000	No
Fluorene	86-73-7	ug/kg	24	8	43	26000		460000	No	56000	No
Indeno (1,2,3-CD) Pyrene	193-39-5	ug/kg	24	10	81	15000		150	Yes	2000	Yes
Naphthalene	91-20-3	ug/kg	24	7	64	28000		3600	Yes	210	Yes
Nitrobenzene	98-95-3	ug/kg	24	1	550	550		4800	No	NV	No
Phenanthrene	85-01-8	ug/kg	24	13	46	130000		NV	No	68000	Yes
Phenol	108-95-2	ug/kg	24	1	170	170		3600000	No	230	No
Pyrene	129-00-0	ug/kg	24	12	57	100000		340000	No	220000	No
<i>Dowtherm Constituents</i>											
Biphenyl	92-52-4	ug/kg	23	8	49	170000		10000	Yes	43000	Yes
Diphenyl Ether	101-84-8	ug/kg	23	8	81	1000000		2700000	No	5600	Yes
<i>Glycols</i>											
Ethylene Glycol	107-21-1	ug/kg	23	3	2600	3800		24000000	No	40000	No
<i>Inorganics</i>											
Antimony	7440-36-0	mg/kg	36	6	0.334	9.01	DL	6.2	Yes	0.9	Yes
Arsenic	7440-38-2	mg/kg	36	36	0.61	4.01	4.81	0.61	No	5.8	No
Barium	7440-39-3	mg/kg	36	36	19.8	224	133	3000	No	580	No
Beryllium	7440-41-7	mg/kg	36	36	0.231	1.69	2.7	32	No	63	No

Table 7
Constituents of Potential Concern in Surface Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Site-Specific Background ²	IHSB PSRG Res Soil ³	Exceeds Y/N?	IHSB PSRG Protection of GW ³	Exceeds Y/N?
Cadmium	7440-43-9	mg/kg	36	8	0.205	1	DL	14	No	3	No
Chromium	7440-47-3	mg/kg	36	35	1.03	25.5	5.16	24000	No	360000	No
Cobalt	7440-48-4	mg/kg	36	36	0.846	17.1	14.7	4.6	Yes	0.9	Yes
Copper	7440-50-8	mg/kg	36	36	1.06	28.6	3.72	620	No	700	No
Lead	7439-92-1	mg/kg	36	36	5.69	50.5	20.5	400	No	270	No
Mercury	7439-97-6	mg/kg	39	31	0.0133	0.367	0.0215	2	No	1	No
Nickel	7440-02-0	mg/kg	36	36	0.964	63.2	5.54	300	No	130	No
Silver	7440-22-4	mg/kg	39	25	0.148	530	DL	78	Yes	3.4	Yes
Thallium	7440-28-0	mg/kg	36	21	0.164	4.29	DL	0.16	Yes	0.28	Yes
Tin	7440-31-5	mg/kg	36	36	1.96	6.41	DL	9400	No	10000	No
Vanadium	7440-62-2	mg/kg	36	36	5.19	863	22.8	78	Yes	6	Yes
Zinc	7440-66-6	mg/kg	36	36	13.8	249	49.1	4600	No	1200	No

ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram

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Notes:

- 1 - Constituents detected in surface soil (defined as less than 2 feet bgs). Field duplicates included in statistical summary.
- 2 - Site-specific background concentrations presented in Phase III RFI Report.
- DL - background value is the detection limit*
- 3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (January 2014)
- Value for chromium is trivalent chromium.*
- Value for diphenyl ether is DuPont-derived value.*

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 8
Constituents of Potential Concern in Subsurface Soil

Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Site-Specific Background ²	IHSB PSRG Res Soil ³	Exceeds Y/N?	IHSB PSRG Protection of GW ³	Exceeds Y/N?
<i>Volatile Organic Compounds</i>											
1,1,1-Trichloroethane	71-55-6	ug/kg	72	4	2	310		640000	No	1200	No
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	72	14	24	220000		560	Yes	1.2	Yes
1,1,2-Trichloroethane	79-00-5	ug/kg	72	7	2	3600		320	Yes	3.2	Yes
1,1-Dichloroethane	75-34-3	ug/kg	72	1	2	2		3300	No	30	No
1,1-Dichloroethene	75-35-4	ug/kg	72	1	330	330		48000	No	2300	No
1,2,4-Trichlorobenzene	120-82-1	ug/kg	73	1	1100	1100		12000	No	2200	No
1,2-Dichloroethane	107-06-2	ug/kg	72	5	1	550		430	Yes	2	Yes
2-Hexanone	591-78-6	ug/kg	72	1	7	7		42000	No	170	No
Acetone	67-64-1	ug/kg	72	34	7	1200		12000000	No	24000	No
Benzene	71-43-2	ug/kg	72	6	1	2100		1100	Yes	7.3	Yes
Carbon Disulfide	75-15-0	ug/kg	72	7	1	5		160000	No	3800	No
Chlorobenzene	108-90-7	ug/kg	72	2	4	230		58000	No	430	No
Chloroform	67-66-3	ug/kg	72	3	1	23		290	No	340	No
cis-1,2 Dichloroethene	156-59-2	ug/kg	72	19	2	100000		32000	Yes	360	Yes
Ethylbenzene	100-41-4	ug/kg	72	11	1	11000		5400	Yes	8100	Yes
Methyl Ethyl Ketone	78-93-3	ug/kg	72	5	5	340		5600000	No	16000	No
Methyl Isobutyl Ketone	108-10-1	ug/kg	72	1	8	8		1100000	No	430	No
Methylene Chloride	75-09-2	ug/kg	72	5	2	240		56000	No	23	Yes
Pentachloroethane	76-01-7	ug/kg	53	3	3	620		5400	No	NV	No
Tetrachloroethene	127-18-4	ug/kg	72	16	3	68000		17000	Yes	5	Yes
Toluene	108-88-3	ug/kg	72	14	2	5200		820000	No	5500	No
trans-1,2-Dichloroethene	156-60-5	ug/kg	72	9	2	1200		30000	No	510	Yes
Trichloroethene	79-01-6	ug/kg	72	13	4	71000		880	Yes	18	Yes
Trichlorofluoromethane	75-69-4	ug/kg	72	1	15	15		160000	No	24000	No
Vinyl Chloride	75-01-4	ug/kg	72	1	1	1		60	No	0.19	Yes
Xylenes	1330-20-7	ug/kg	72	13	2	64000		130000	No	5800	Yes
<i>Semivolatile Organic Compounds</i>											
1-Methylnaphthalene	90-12-0	ug/kg	38	7	45	39000		16000	Yes	55	Yes
2,4-Dimethylphenol	105-67-9	ug/kg	73	1	53	53		240000	No	1400	No
2-Chloronaphthalene	91-58-7	ug/kg	73	2	11000	36000		180000	No	NV	No
1,2-Diphenylhydrazine	122-66-7	ug/kg	37	2	79	1200		610	Yes	NV	No
2-Methylnaphthalene	91-57-6	ug/kg	73	8	58	55000		46000	Yes	1600	Yes
4-Methylphenol (P-Cresol)	106-44-5	ug/kg	54	2	170	370		1200000	No	12000	No
Acenaphthene	83-32-9	ug/kg	73	1	23000	23000		680000	No	8400	Yes
Anthracene	120-12-7	ug/kg	73	2	410	15000		3400000	No	660000	No
Benzaldehyde	100-52-7	ug/kg	37	2	92	3700		1200000	No	3000	Yes
Benzo(A)Anthracene	56-55-3	ug/kg	73	3	190	15000		150	Yes	180	Yes
Benzo(B)Fluoranthene	205-99-2	ug/kg	73	4	250	3000		150	Yes	600	Yes
Benzo(G,H,I)Perylene	191-24-2	ug/kg	73	2	170	340		NV	No	7800000	No
Benzo(K)Fluoranthene	207-08-9	ug/kg	73	1	95	95		1500	No	5900	No

Table 8
Constituents of Potential Concern in Subsurface Soil

Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte ¹	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Site-Specific Background ²	IHSB PSRG Res Soil ³	Exceeds Y/N?	IHSB PSRG Protection of GW ³	Exceeds Y/N?
Benzo[A]Pyrene	50-32-8	ug/kg	73	3	170	400		15	Yes	59	Yes
Benzoic Acid	65-85-0	ug/kg	56	3	340	2100		48000000	No	130000	No
Bis(2-Ethylhexyl)Phthalate	117-81-7	ug/kg	73	10	160	5500		35000	No	7200	No
Butyl Benzyl Phthalate	85-68-7	ug/kg	73	1	160	160		260000	No	150000	No
Carbazole	86-74-8	ug/kg	37	1	9700	9700		NV	No	370	Yes
Chrysene	218-01-9	ug/kg	73	4	270	13000		15000	No	18000	No
Diallate	2303-16-4	ug/kg	54	2	96	600		8000	No	NV	No
Dibenzofuran	132-64-9	ug/kg	73	10	52	46000		16000	Yes	5200	Yes
Di-N-Butyl Phthalate	84-74-2	ug/kg	73	8	83	1800		1200000	No	19000	No
Fluoranthene	206-44-0	ug/kg	73	7	330	110000		460000	No	330000	No
Fluorene	86-73-7	ug/kg	73	3	150	37000		460000	No	56000	No
Indeno (1,2,3-CD) Pyrene	193-39-5	ug/kg	73	1	140	140		150	No	2000	No
Naphthalene	91-20-3	ug/kg	73	9	42	160000		3600	Yes	210	Yes
N-Dioctyl Phthalate	117-84-0	ug/kg	73	1	260	260		NV	No	38000	No
N-Nitrosodiphenylamine	86-30-6	ug/kg	73	1	860	860		99000	No	NV	No
Phenanthrene	85-01-8	ug/kg	73	8	51	200000		NV	No	68000	Yes
Phenol	108-95-2	ug/kg	73	8	67	1800		3600000	No	230	Yes
Pyrene	129-00-0	ug/kg	73	5	57	79000		340000	No	220000	No
<i>Dowtherm Constituents</i>											
Biphenyl	92-52-4	ug/kg	49	17	610	5100000		10000	Yes	43000	Yes
Diphenyl Ether	101-84-8	ug/kg	49	20	63	13000000		2300000	Yes	5600	Yes
<i>Glycols</i>											
Ethylene Glycol	107-21-1	ug/kg	55	4	3200	974000		24000000	No	40000	Yes
<i>Inorganics</i>											
Antimony	7440-36-0	mg/kg	59	16	0.852	295	DL	6.2	Yes	0.9	Yes
Arsenic	7440-38-2	mg/kg	90	74	0.241	21.3	4.81	0.61	Yes	5.8	Yes
Barium	7440-39-3	mg/kg	90	90	12.1	208	133	3000	No	580	No
Beryllium	7440-41-7	mg/kg	59	59	0.332	2.58	2.7	32	No	63	No
Cadmium	7440-43-9	mg/kg	90	22	0.0643	12.6	DL	14	No	3	Yes
Chromium	7440-47-3	mg/kg	90	78	0.382	1190	5.16	24000	No	360000	No
Cobalt	7440-48-4	mg/kg	59	59	0.367	36.1	14.7	4.6	Yes	0.9	Yes
Copper	7440-50-8	mg/kg	59	57	0.186	199	3.72	620	No	700	No
Lead	7439-92-1	mg/kg	90	90	3.53	90.3	20.5	400	No	270	No
Mercury	7439-97-6	mg/kg	93	32	0.0065	0.889	0.0215	2	No	1	No
Nickel	7440-02-0	mg/kg	59	48	0.303	352	5.54	300	Yes	130	Yes
Silver	7440-22-4	mg/kg	109	30	0.165	672	DL	78	Yes	3.4	Yes
Thallium	7440-28-0	mg/kg	59	27	0.22	16.7	DL	0.16	Yes	0.28	Yes
Tin	7440-31-5	mg/kg	59	58	1.97	97.7	DL	9400	No	10000	No
Vanadium	7440-62-2	mg/kg	59	59	2.34	3290	22.8	78	Yes	6	Yes
Zinc	7440-66-6	mg/kg	59	59	9.27	206000	49.1	4600	Yes	1200	Yes

Table 8
Constituents of Potential Concern in Subsurface Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

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ug/kg - micrograms per kilogram

mg/kg - milligrams per kilogram

Notes:

1 - Constituents detected in subsurface soil and waste (defined as greater than 2 feet bgs). Field duplicates included in statistical summary.

2 - Site-specific background concentrations presented in Phase III RFI Report.

DL - background value is the detection limit

3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (January 2014)

Value for chromium is trivalent chromium.

Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 9
Constituents of Potential Concern for Soil Migration to Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	Detected in Surface Soil Above IHSB PSRGs	Detected in Subsurface Soil (or Waste) Above IHSB PSRGs	Detected in Groundwater (>NC 2L or IMAC)	Detected in Groundwater (> NC 2B)
<i>1,1,2,2-Tetrachloroethane</i>		X	X	X
<i>1,1,2-Trichloroethane</i>		X	X	
<i>1,2-Dichloroethane</i>		X	X	
1-Methylnaphthalene	X	X		
2-Methylnaphthalene	X	X		
Acenaphthene	X	X		
Benzaldehyde		X		
<i>Benzene</i>		X	X	
Benzo(A)Anthracene	X	X		
Benzo(B)Fluoranthene	X	X		
Benzo[A]Pyrene	X	X		
<i>Biphenyl</i>	X	X	X	
Carbazole	X	X		
Chrysene	X	X		
<i>cis-1,2 Dichloroethene</i>		X	X	
Dibenz(A,H)Anthracene	X	X		
Dibenzofuran	X	X		
<i>Diphenyl Ether</i>	X	X	X	X
Ethylbenzene		X		
Ethylene Glycol		X		
Indeno (1,2,3-CD) Pyrene	X	X		
Methylene Chloride		X		
Naphthalene	X	X		
Phenanthrene	X	X		
Phenol		X		
<i>Tetrachloroethene</i>	X	X	X	X
trans-1,2-Dichloroethene		X		
<i>Trichloroethene</i>		X	X	X
<i>Vinyl Chloride</i>		X	X	X
Xylenes		X		
Antimony	X	X	See Note 2	
Arsenic		X		
Cadmium		X		
Cobalt	X	X		
Nickel		X		
Silver	X	X		
Thallium	X			
Vanadium	X		See Note 2	
Zinc				

Notes:

1 - COPCs in surface and subsurface soil identified in Tables 7 and 8. Groundwater COPCs detailed in Tables 1 - 3. NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (PSRGs) (January 2014)

2 - Antimony and vanadium not identified as COPCs for groundwater migration. Antimony not a COPC in groundwater. Vanadium does not exceed PSRGs in subsurface soil or waste.

Indicates COPC for RL Derivation

Table 10
RL for Protection of Migration to Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Screening Level Partitioning Equation for Migration to Groundwater

$$RL \text{ (mg/kg)} = C_w * \left[K_{oc} f_{oc} + \frac{\Theta_w + \Theta_a H'}{P_b} \right]$$

NC DENR, 2013 - Equation 1

Parameter	Definition	Value	Source
RL	Remedial Level for protection of migration to groundwater (mg/kg)		NC DENR, 2013
C_w	Target soil leachate concentration (mg/L)	Calculated	
where	$C_w = ACL \times DAF$		
SL	Target soil leachate concentration (mg/L)	Chemical-Specific	ACL
DAF	Dilution Attenuation Factor, unitless	20	0.5-acre source default
K_{oc}	Organic carbon partition coefficient (L/kg)	Chemical-Specific	See Below
f_{oc}	Fraction of organic carbon (g/g)	0.001	Default
Q_w	Water-filled soil porosity (L_{water}/L_{soil})	0.3	Default
Q_a	Air-filled soil porosity (L_{pore}/L_{soil})	0.13	Default
H'	Henry's Law Constant (dimensionless)	Chemical-Specific	See Below
P_b	Dry Soil Bulk Density (kg/L)	1.5	Default

COPC	Koc	H'	ACL (mg/L)	Cw (mg/L)	RL (mg/kg)
1,1,2,2-Tetrachloroethane	94.94	0.0150103	2.00E+00	4.00E+01	1.18E+01
1,1,2-Trichloroethane	60.7	0.0337016	8.00E+00	1.60E+02	4.22E+01
1,2-Dichloroethane	39.6	0.048262	1.85E+01	3.70E+02	9.02E+01
Benzene	145.8	0.226995	2.55E+01	5.10E+02	1.86E+02
Biphenyl	5129	0.0125972	6.94E+00	1.39E+02	7.40E+02
cis-1,2 Dichloroethene	39.6	0.166872	2.95E+02	5.90E+03	1.50E+03
Diphenyl Ether	2600	0.011452	1.60E+01	3.20E+02	8.96E+02
Tetrachloroethene	94.94	0.72393	1.65E+00	3.30E+01	1.18E+01
Trichloroethene	60.7	0.402865	1.50E+01	3.00E+02	8.87E+01
Vinyl Chloride	21.73	1.13702	1.20E+00	2.40E+01	7.69E+00

References:

NC DENR, 2013. Guidelines for Establishing Remediation Goals at RCRA Hazardous Waste Sites. Division of Waste Management Section, Hazardous Waste Section. December 11, 2013.

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Table 11
Comparison of Soil Protection of Migration RLs to Site Data
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	RL (mg/kg) ²	Maximum Detect (mg/kg) ³	No. of Samples	No. of Detects Above RL ³	Associated Unit(s) ³	Unit Distance to Little River (Feet) ⁴	Detected in Perimeter GW Above 10 x NC 2B? ⁵	Detected in Little River or DERA Creek Surface Water? ⁶
<i>Volatile Organic Compounds</i>								
1,1,2,2-Tetrachloroethane	1.18E+01	2.20E+02	96	4	SWMUs 13, 16	900 (SWMU 16)	No	No
1,1,2-Trichloroethane	4.22E+01	3.60E+00	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No
1,2-Dichloroethane	9.02E+01	5.50E-01	96	0	SWMU 13	1680 (SWMU 13)	No	No
Benzene	1.86E+02	2.10E+00	96	0	No release to gw indicated	-	No	No
cis-1,2 Dichloroethene	1.50E+03	1.00E+02	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No
Tetrachloroethene	1.18E+01	6.80E+01	96	3	SWMU 16	900 (SWMU 16)	No	No
Trichloroethene	8.87E+01	7.10E+01	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No
Vinyl Chloride	7.69E+00	1.00E-03	96	0	-	-	No	No
<i>Dowtherm Constituents</i>								
Biphenyl	7.40E+02	5.10E+03	72	3	SWMUs 13, 16	900 (SWMU 16)	No	No
Diphenyl Ether	8.96E+02	1.30E+04	72	6	SWMUs 13, 16; AOCs I and J	Varies	No	No

Notes:

- 1 - COPCs identified in Table 10.
- 2- RL for Protection of Migration to Groundwater derived in Table 11.
- 3- Detects in surface, subsurface soil and waste material above RLs. SWMU 17 data excluded from the evaluation.
- 4 - Distance measured from unit to Little River. With exception of SWMU 18, groundwater flows from these units towards Little River. SWMU 18 is cross-gradient to DERA Creek.
- 5 - Perimeter groundwater comparison detailed in Table 5.
- 6 -Surface water data provided in Table 6.

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Table 12
Exposure Assumptions
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Intake Factors (kg soil/kg BW-day or kg/m³-air)

Ingestion =	$(IR \times EF \times ED \times FC \times CFs) / (AT \times BW)$	non-carcinogens
Ingestion =	$(IRad_j \times EF \times FC \times CFs) / (AT)$	carcinogen or mutagen
Dermal Absorption =	$(ABS \times SA \times AF \times EF \times ED \times FC \times CFs) / (AT \times BW)$	non-carcinogens
Dermal Absorption =	$(ABS \times SA_{adj} \times EF \times FC \times CFs) / (AT)$	carcinogen or mutagen

Air Intake Factor (kg / m³ - air)

Inhalation =	$(ET \times EF \times ED \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT)$	non-carcinogens
Inhalation =	$(ET \times EF \times ED \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT \times CFa)$	carcinogens
Inhalation =	$(ED_{adj} \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT \times CFa)$	mutagen

Intake Parameter	National Guard	Forest Ranger	Utility Worker	Trail User (Adult)	Trail User (Child)	
IR Ingestion Rate, soil (mg/day) (1)	100	100	330	100	200	
IRad _j Ingestion rate (soil), age-adjusted mg-yr/kg-d (2)				105		
IRad _{j-m} Ingestion rate (soil), age-adjusted, mutagen mg-yr/kg-d (2)				477		
FC Fraction contacted (3)	1	0.5	1	0.25	0.25	
AF Dermal Adherence Factor, soil (mg/cm ²) (4)	0.3	0.12	0.3	0.07	0.2	
AB Dermal Absorption Fraction (unitless) (5)	Chemical-specific	Chemical-specific	Chemical-specific	Chemical-specific	Chemical-specific	
PEF Particulate Emission Factor (m ³ /kg) (6)	1.36E+09	1.36E+09	1.36E+09	1.36E+09	1.36E+09	
VF Soil to Air Volatilization Factor, m ³ /kg (6)	Chemical-specific	Chemical-specific	Chemical-specific	Chemical-specific	Chemical-specific	
SA Skin Surface Area, (cm ²) (7)	3470	3470	3470	6032	2690	
DFs Soil Dermal Factor, age-adjusted mg-yr/kg-d (2)				321		
DFs-m Soil Dermal Factor, age-adjusted, mutagen mg-yr/kg-d (2)				1359		
ET Exposure Time (hours/day) (8)	24	8	8	8	8	
EF Exposure Frequency (days/year) (8)	47	180	10	108	108	
ED Exposure Duration - (years) , (8)	8	25	25	20	6	
EDadj-m Exposure Duration, age-adjusted, mutagen (2)					2280	
CFs Conversion Factor, soil (kg/mg)	1.E-06	1.E-06	1.E-06	1.E-06	1.E-06	
CFa Conversion Factor, air (ug/mg)	1.E-03	1.E-03	1.E-03	1.E-03	1.E-03	
BW Body Weight - (kg) (9)	80	80	80	80	15	
AT Averaging Time (days) (10)						
	Noncarcinogenic, ED x 365 d/yr	2,920	9,125	9,125	7,300	2,190
	Carcinogenic, 70 yr x 365d/yr	25,550	25,550	25,550	25,550	25,550

Table 12
Exposure Assumptions
Former DuPont Brevard Facility
Cedar Mountain, NC

Notes:

- (1) Soil ingestion rate: USEPA recommended values for outdoor worker and construction worker (Exhibit 1-2, USEPA, 2002). USEPA's recommended total daily soil intake value for residential exposures was conservatively assumed for a trail users (USEPA, 2014b)
- (2) Age-adjusted rates were utilized to evaluate combined recreational exposure to carcinogens (USEPA, 1991) and mutagens (USEPA, 2005). Equations consistent with EPA's Regional Screening Level Table User's Guide were used (USEPA, 2014a).
- (3) It was assumed that workers in the Ranger Office would spend most of their time in the office or in portions of the site where trails or public use areas are located, the nature preserve primary area and proposed ranger office is not located near COPCs in surface soil.
- (4) Adherence Factor: USEPA recommended default values (USEPA, 2014b), worker value represents 95th percentile for high-end soil activity. USEPA recommended value for resident assumed for trail users.
- (5) Chemical specific values obtained from Exhibit 3-4 in USEPA 2004. Default values are not available for VOCs and inorganic compound classes.
- (6) Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014a).
- (7) Skin Surface Area: EPA recommended value for workers (USEPA, 2014b) assumed for National Guard and workers. EPA recommended value for residents (USEPA, 2014b) assumed for trail users.
- (8) Exposure Frequency, Time and Duration: For the National Guard, a site-specific exposure frequency of 3 days per month (for 11 months) plus 2 weeks per year (or 47 days/year) was assumed based on required weekend drill training and one annual training period. An exposure time of 24 hours/day was assumed since overnight stays would occur. An exposure duration of 8 years was assumed, which is consistent with the minimum service obligation. Ranger - a site-specific exposure frequency of 5 days per week for 9 months was assumed (or 180 days per year). Exposure time and duration consistent with USEPA-recommended values was used (8 hours/day, 25 years). Trail Users - It was assumed that trail users would visit the site 5 days/week during the 3 summer months (June, July, August) and less frequently (2 days/ week) during the Spring and Fall months (6 months), which results in 108 days/year. Recommended exposure duration for residents was used for the trail user (USEPA, 2014b).
- (9) Body weight: USEPA recommended value for adult and child receptors (USEPA, 2014b).
- (10) Averaging time: Noncarcinogens = ED expressed in days. Carcinogens = 70-year lifetime expressed in days.

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References:

USEPA, 1991. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part B: Development of Risk-Based Preliminary Remediation Goals). Interim Final. Office of Emergency and Remedial Response, Washington D.C. December.

USEPA. 2011. Exposure Factors Handbook: 2011 Edition. EPA/600/R-09/052F. September.

USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Emergency and Remedial Response. OSWER 9355.4-24. December.

USEPA, 2004. Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E Supplemental Guidance for Dermal Risk Assessment). Final. EPA/540/R/99/005. July 2004 (updated November 2007)

USEPA, 2014a. EPA Regional Screening Level Table. May 2014.

USEPA, 2014b. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. OSWER Directive 9200.1-120 dated February 6, 2014.

Table 13
Summary of Soil Direct Contact Remedial Levels
Former DuPont Brevard Facility
Cedar Mountain, NC

Surface Soil Direct Contact Remedial Levels (RLs)

Analyte ¹	CAS No.	Units	Target Risk 1 x 10 ⁻⁶ , HQ=1				Target Risk 1 x 10 ⁻⁵ , HQ=1				Target Risk 1 x 10 ⁻⁴ , HQ=1			
			Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)	Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)	Forest Ranger	National Guard	Utility Worker	Trail User (Adult/Child)
Antimony	7440-36-0	mg/kg	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02
Cobalt	7440-48-4	mg/kg	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02
Silver	7440-22-4	mg/kg	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03
Thallium	7440-28-0	mg/kg	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01
Vanadium	7440-62-2	mg/kg	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03
3-Methylcholanthrene	56-49-5	mg/kg	1.46E-01	1.21E+00	8.56E-01	7.02E-02	1.46E+00	1.21E+01	8.56E+00	7.02E-01	1.46E+01	1.21E+02	8.56E+01	7.02E+00
7,12-Dimethylbenz[A]Anthracene	57-97-6	mg/kg	1.18E-02	9.24E-02	7.03E-02	5.79E-03	1.18E-01	9.24E-01	7.03E-01	5.79E-02	1.18E+00	9.24E+00	7.03E+00	5.79E-01
Benzo(a)anthracene	56-55-3	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(b)fluoranthene	205-99-2	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(k)fluoranthene	207-08-9	mg/kg	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03
Benzo(a)pyrene	50-32-8	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Biphenyl	92-52-4	mg/kg	2.99E+02	3.82E+02	3.10E+03	1.13E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03
Chrysene	218-01-9	mg/kg	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03	4.04E+04	3.16E+05	2.41E+05	1.98E+04
Dibenz(a,h)anthracene	53-70-3	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Naphthalene	91-20-3	mg/kg	2.50E+01	9.97E+01	4.50E+02	1.60E+02	2.50E+02	9.97E+02	4.50E+03	1.60E+03	8.73E+02	1.14E+03	1.45E+04	4.32E+03

Table 13
Summary of Soil Direct Contact Remedial Levels
Former DuPont Brevard Facility
Cedar Mountain, NC

Subsurface Soil Direct Contact Remedial Levels (RLs)

Analyte ¹	CAS No.	Units	Target Risk	Target Risk	Target Risk
			1 x 10 ⁻⁶ , HQ=1	1 x 10 ⁻⁵ , HQ=1	1 x 10 ⁻⁴ , HQ=1
			Utility Worker	Utility Worker	Utility Worker
Antimony	7440-36-0	mg/kg	3.54E+03	3.54E+03	3.54E+03
Arsenic	7440-38-2	mg/kg	2.38E+01	2.38E+02	2.38E+03
Cobalt	7440-48-4	mg/kg	2.65E+03	2.65E+03	2.65E+03
Nickel	7440-02-0	mg/kg	1.00E+05	1.00E+05	1.00E+05
Silver	7440-22-4	mg/kg	4.42E+04	4.42E+04	4.42E+04
Thallium	7440-28-0	mg/kg	8.85E+01	8.85E+01	8.85E+01
Vanadium	7440-62-2	mg/kg	4.41E+04	4.41E+04	4.41E+04
Zinc	7440-66-6	mg/kg	1.00E+05	1.00E+05	1.00E+05
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	5.08E+01	5.08E+02	5.08E+03
1,1,2-Trichloroethane	79-00-5	mg/kg	1.11E+02	1.69E+02	1.69E+02
1,2-Dichloroethane	107-06-2	mg/kg	4.78E+01	4.78E+02	3.52E+03
1,2-Diphenylhydrazine	122-66-7	mg/kg	2.35E+01	2.35E+02	2.35E+03
1-Methylnaphthalene	90-12-0	mg/kg	6.06E+02	6.06E+03	6.06E+04
2-Methylnaphthalene	91-57-6	mg/kg	2.51E+04	2.51E+04	2.51E+04
Benzene	71-43-2	mg/kg	1.12E+02	1.12E+03	9.25E+03
Benzo(a)anthracene	56-55-3	mg/kg	2.41E+01	2.41E+02	2.41E+03
Benzo(b)fluoranthene	205-99-2	mg/kg	2.41E+01	2.41E+02	2.41E+03
Benzo(a)pyrene	50-32-8	mg/kg	2.41E+00	2.41E+01	2.41E+02
Biphenyl	92-52-4	mg/kg	3.10E+03	5.38E+03	5.38E+03
cis-1,2-Dichloroethene	156-59-2	mg/kg	1.77E+04	1.77E+04	1.77E+04
Dibenzofuran	132-64-9	mg/kg	8.85E+03	8.85E+03	8.85E+03
Diphenyl Ether	101-84-8	mg/kg	1.00E+05	1.00E+05	1.00E+05
Ethylbenzene	100-41-4	mg/kg	5.62E+02	5.62E+03	5.62E+04
Naphthalene	91-20-3	mg/kg	4.50E+02	4.50E+03	1.45E+04
Tetrachloroethene	127-18-4	mg/kg	2.38E+03	9.17E+03	9.17E+03
Trichloroethene	79-0-16	mg/kg	1.34E+02	4.66E+02	4.66E+02

1 - COPCs identified in Tables 7 and 8.

2 - RL calculations are detailed in Attachment C. The RL shown for each receptor is the lower of the carcinogenic and non-carcinogenic values.

* - A non-risk-based "ceiling limit" concentration of 10⁵ mg/kg

HQ = Hazard Quotient
mg/kg - milligrams per kilogram

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Table 14
Comparison of RFI Surface Soil Data to Direct Contact RLs
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte ¹	No. of Detects	Maximum Detection (mg/kg)	95% UCL (mg/kg)	Max Detect Location	Depth	Sample Type	Min RL (mg/kg)	Max RL (mg/kg)	Min RL (mg/kg)	Max RL (mg/kg)	Max Detect > Lowest RL	No. of Detects Above Min RL Range	UCL > Min RL Range	No. of Detects Above Max RL Range
							(HQ=1, 10 ⁻⁶ Risk)*		(HQ=1, 10 ⁻⁴ Risk)*					
Antimony	6	9.01E+00	-	-	-	-	4.06E+02	3.54E+03	4.06E+02	3.54E+03	No	0	-	-
Cobalt	36	1.71E+01	-	-	-	-	3.04E+02	2.65E+03	3.04E+02	2.65E+03	No	0	-	-
Silver	25	5.30E+02	-	-	-	-	5.07E+03	4.42E+04	5.07E+03	4.42E+04	No	0	-	-
Thallium	21	4.29E+00	-	-	-	-	1.01E+01	8.85E+01	1.01E+01	8.85E+01	No	0	-	-
Vanadium	36	8.63E+02	-	-	-	-	5.07E+03	4.41E+04	5.07E+03	4.41E+04	No	0	-	-
3-Methylcholanthrene	2	1.30E+00	NC	SWMU16-SS-1	1-5	Waste	7.02E-02	1.21E+00	7.02E+00	1.21E+02	Yes	1	NC	0
7,12-Dimethylbenz[A]Anthracene	2	5.70E+00	3.67E+00	AOCA-SS-6	0-2	Soil	5.79E-03	9.24E-02	5.79E-01	9.24E+00	Yes	1	Yes	0
Benzo(a)anthracene	11	4.80E+01	1.46E+00	SWMU16-SS-1	1-5	Waste	1.98E+00	3.16E+01	1.98E+02	3.16E+03	Yes	1	No	0
Benzo(b)fluoranthene	11	5.10E+01	1.66E+00	SWMU16-SS-1	1-5	Waste	1.98E+00	3.16E+01	1.98E+02	3.16E+03	Yes	1	No	0
Benzo(k)fluoranthene	9	2.30E+01	NC	SWMU16-SS-1	1-5	Waste	1.98E+01	3.16E+02	1.98E+03	3.16E+04	Yes	0	-	-
Benzo(a)pyrene	11	4.10E+01	1.46E+00	SWMU16-SS-1	1-5	Waste	1.98E-01	3.16E+00	1.98E+01	3.16E+02	Yes	5	No	0
Biphenyl	8	1.70E+02	-	-	-	-	2.99E+02	3.10E+03	2.99E+02	5.38E+03	No	0	-	-
Chrysene	11	5.40E+01	-	-	-	-	1.98E+02	3.16E+03	1.98E+04	3.16E+05	No	0	-	-
Dibenz(a,h)anthracene	9	4.20E+00	2.84E-01	SWMU16-SS-1	1-5	Waste	1.98E-01	3.16E+00	1.98E+01	3.16E+02	Yes	1	No	0
Indeno(1,2,3-cd)pyrene	10	1.50E+01	7.87E-01	SWMU16-SS-1	1-5	Waste	1.98E+00	3.16E+01	1.98E+02	3.16E+03	Yes	0	-	-
Naphthalene	7	2.80E+01	NC	SWMU16-SS-1	1-5	Waste	2.50E+01	4.50E+02	8.73E+02	1.45E+04	Yes	0	-	-

limited to one sample in AOC A

Notes:

1- Surface soil Direct Contact COPCs identified in Table 7.

NC - Not calculated, exceed limited to one location in SWMU 16

*Soil RLs as shown in Table 13.

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Table 15
Summary of Site-Specific Groundwater and Soil Remedial Levels
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	Groundwater RLs ¹ (ug/L)	Soil RLs (mg/kg)					
		Soil RL for Protection of Migration to Groundwater ²	Surface Soil Direct Contact Min RL ³	Surface Soil Direct Contact Max RLs ⁴	Subsurface Soil Direct Contact Min RLs ⁵	Subsurface Soil Direct Contact Max RLs ⁵	
			(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)	(HQ=1, 10 ⁻⁶ Risk)	(HQ=1, 10 ⁻⁴ Risk)	
<i>Volatile Organic Compounds</i>							
1,1,2,2-Tetrachloroethane	c	2.00E+03	1.18E+01	-	-	5.08E+01	5.08E+03
1,1,2-Trichloroethane	c	8.00E+03	4.22E+01	-	-	1.11E+02	1.69E+02
1,2-Dichloroethane	c	1.85E+04	9.02E+01	-	-	4.78E+01	3.52E+03
Benzene	c	2.55E+04	1.86E+02	-	-	1.12E+02	9.25E+03
Carbon Tetrachloride	c	8.00E+02	-	-	-	-	-
Chloroform	c	1.40E+04	-	-	-	-	-
cis-1,2 Dichloroethene	n	2.95E+05	1.50E+03	-	-	-	-
Ethylbenzene	c	-	-	-	-	5.62E+02	5.62E+04
Tetrachloroethene	c	1.65E+03	1.18E+01	-	-	2.38E+03	9.17E+03
Trichloroethene	c	1.50E+04	8.87E+01	-	-	-	-
Vinyl Chloride	c	1.20E+03	7.69E+00	-	-	-	-
<i>Semivolatile Organic Compounds</i>							
1,2-Diphenylhydrazine	c	-	-	-	-	2.35E+01	2.35E+03
1-Methylnaphthalene	c	-	-	-	-	6.06E+02	6.06E+04
2-Methylnaphthalene	n	-	-	-	-	2.51E+04	2.51E+04
1,4-Dioxane	c	4.00E+04	-	-	-	-	-
3-Methylcholanthrene	c	-	-	7.02E-02	1.21E+02	-	-
7,12-Dimethylbenz[A]Anthracene	c	-	-	5.79E-03	9.24E+00	-	-
Benzo(a)anthracene	c	-	-	1.98E+00	3.16E+03	2.41E+01	2.41E+03
Benzo(b)fluoranthene	c	-	-	1.98E+00	3.16E+03	2.41E+01	2.41E+03
Benzo(k)fluoranthene	c	-	-	1.98E+01	3.16E+04	-	-
Benzo(a)pyrene	c	-	-	1.98E-01	3.16E+02	2.41E+00	2.41E+02
Chrysene	c	-	-	1.98E+02	3.16E+05	-	-
Dibenz(a,h)anthracene	c	-	-	1.98E-01	3.16E+02	-	-
Dibenzofuran	n	-	-	-	-	8.85E+03	8.85E+03
Indeno(1,2,3-cd)pyrene	c	-	-	1.98E+00	3.16E+03	-	-
Naphthalene	c	-	-	2.50E+01	1.45E+04	4.50E+02	1.45E+04
<i>Dowtherm Constituents</i>							
Biphenyl	c	6.94E+03	7.40E+02	2.99E+02	5.38E+03	3.10E+03	5.38E+03
Diphenyl Ether	n	1.60E+04	8.96E+02	-	-	1.00E+05	1.00E+05
<i>Inorganics</i>							
Antimony	n	1.50E+04	-	4.06E+02	3.54E+03	3.54E+03	3.54E+03
Arsenic	c	5.00E+03	-	-	-	2.38E+01	2.38E+03
Beryllium	c	3.25E+03	-	-	-	-	-
Cadmium	c	2.00E+02	-	-	-	-	-
Chromium	c	2.50E+04	-	-	-	-	-
Cobalt	c	2.00E+03	-	3.04E+02	2.65E+03	2.65E+03	2.65E+03
Iron	n	5.00E+05	-	-	-	-	-
Lead	-	7.50E+03	-	-	-	-	-
Manganese	n	6.00E+04	-	-	-	-	-
Nickel	c	-	-	-	-	1.00E+05	1.00E+05
Silver	n	-	-	5.07E+03	4.42E+04	4.42E+04	4.42E+04
Thallium	n	-	-	1.01E+01	8.85E+01	8.85E+01	8.85E+01
Vanadium	n	1.00E+04	-	5.07E+03	4.41E+04	4.41E+04	4.41E+04
Zinc	n	-	-	-	-	1.00E+05	1.00E+05

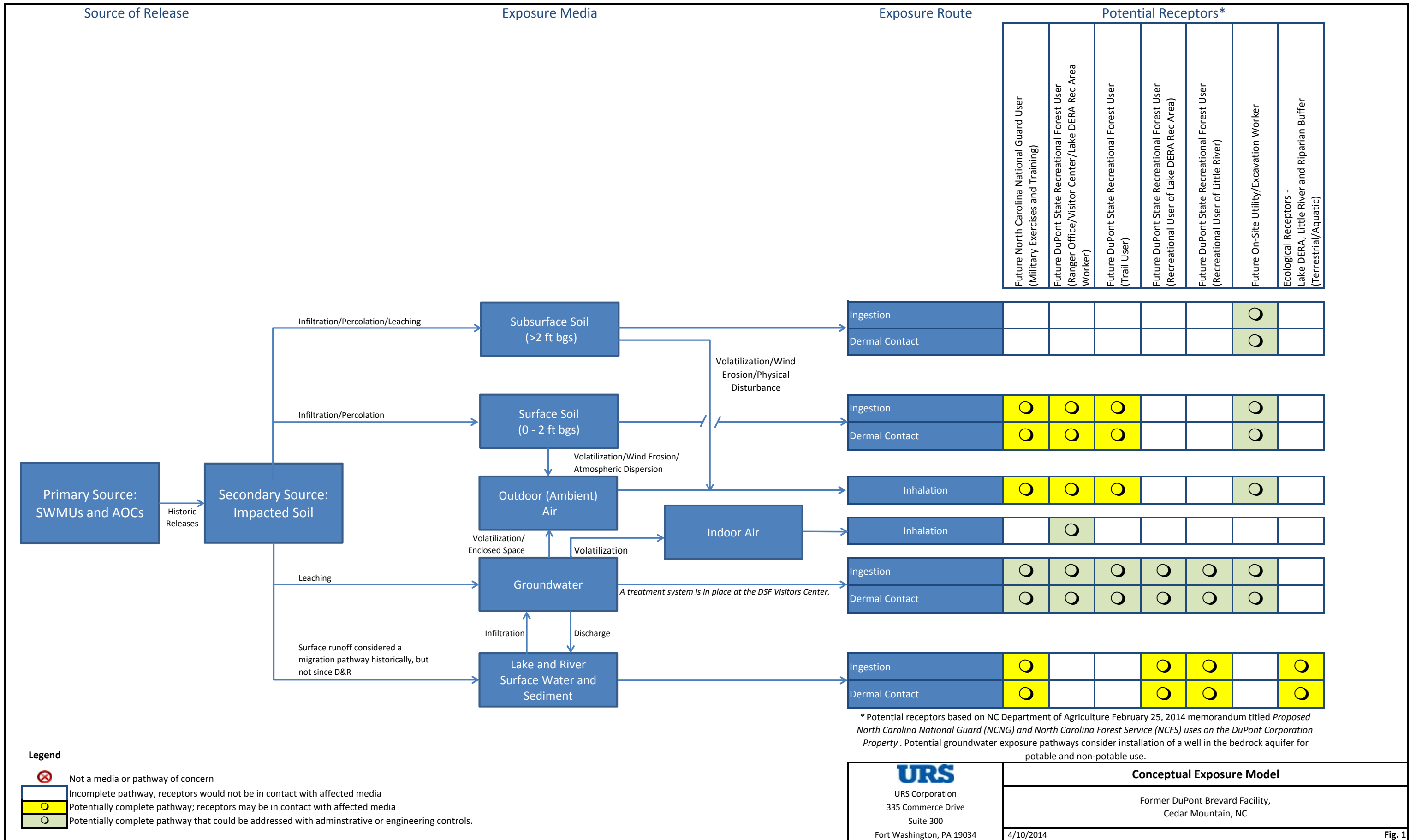
- 1 - Groundwater RLs calculations are detailed in Table 5.
- 2 - RLs for protection of migration to groundwater are calculated in Table 10.
- 3 - RL shown is the minimum RL from the RLs calculated for each of the four receptors (Forest Ranger, National Guard User, Utility Worker or Trail User) evaluated for the endpoint indicated (target risk and HQ). RLs are presented for each receptor in Table 13.
- 4 - RL shown is the maximum RL from the RLs calculated for each of the four receptors (Forest Ranger, National Guard User, Utility Worker or Trail User) evaluated for the endpoint indicated (target risk and HQ). RLs are presented for each receptor in Table 13.
- 5 - RL shown is the RL calculated for the utility worker for the endpoint indicated (target risk and HQ). RLs are presented for each receptor in Table 13.

* - A non-risk-based "ceiling limit" concentration of 10⁵ mg/kg
HQ = Hazard Quotient
mg/kg - milligrams per kilogram
c - carcinogen
n - non-carcinogen

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Figures

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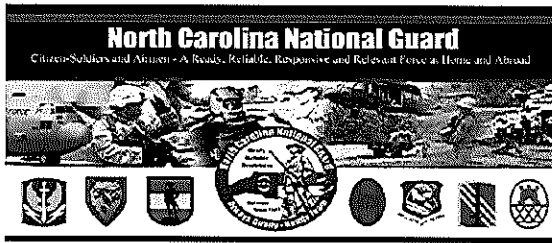


* Potential receptors based on NC Department of Agriculture February 25, 2014 memorandum titled *Proposed North Carolina National Guard (NCNG) and North Carolina Forest Service (NCFS) uses on the DuPont Corporation Property*. Potential groundwater exposure pathways consider installation of a well in the bedrock aquifer for potable and non-potable use.

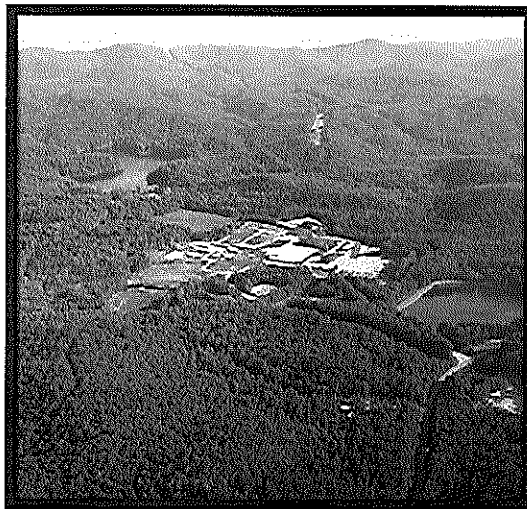
Appendices

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**Appendix A
Future Land Use Plan**



Opportunities in DuPont Region



Mission Statement :

On order, the North Carolina National Guard's Always Ready-Ready Team deploys military capabilities, in support of State and/or National authorities, in order to protect the lives and properties of fellow Citizens, defend the State and Nation, and secure our American way of life.

NCNG could use the DuPont site to facilitate the training for Military and Civilian Support.

Proposed timeline and activities

Within six months

- Dismounted Military Training
- Military Vehicle Training
- Motor Cycle Operators Course
- Land Navigation Course
- Bivouac Training
- Engineers Training
- Leaders Reaction Course
- Helicopter Aquatic Rescue Training
- Mountain Operations

Within one Year :

Military Usage

- Obstacle Course
- Un-Manned Aerial System Training Area
- Short-term stays with lodging

Morale and Recreation site

- Primitive Camping
- Water Recreation on the DuPont Lake
- Designated Fishing Areas

Two Years and Beyond:

- Partner with Veterans Groups and Air Guard , establishing permanent camp sites, Wounded Warrior REHAB site
- Small Arms Range
- NG Mobile Training Team, National Site
- NG Civil Support Center of Excellent
- Permanent Lodging/ Admin facilities to support training

NCNG

The NCNG is able to utilize the DuPont "doughnut hole" beginning within 6 months, and has a vision to expand both training and recreational opportunities well into the future. In order for the area to be fully utilized, the NCNG along with other State Agencies must partner and develop dual use facilities to foster efficiency.

Potential State and Federal Partners Utilizing DuPont and the Headwaters

- North Carolina National Guard
- NC Emergency Management
- NC Highway Patrol
- NC Department of Public Safety
- NC Forest Service
- U.S. Special forces Command
- U.S. Army ROTC
-



ARMY ROTC

Motorcycle Safety Course



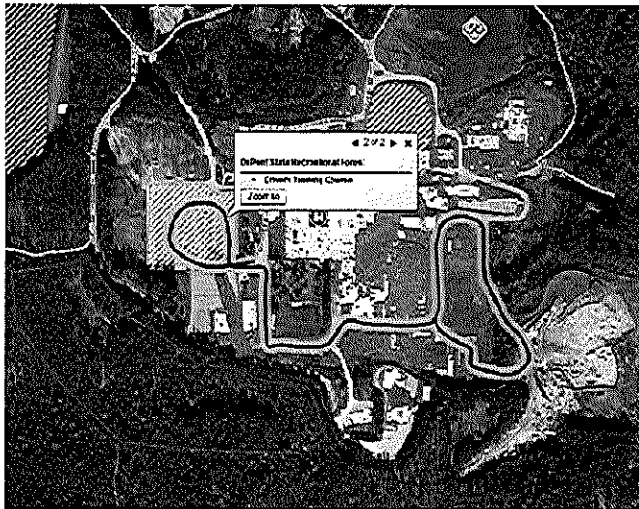
Paved Airstrip could facilitate C-130 and UAS



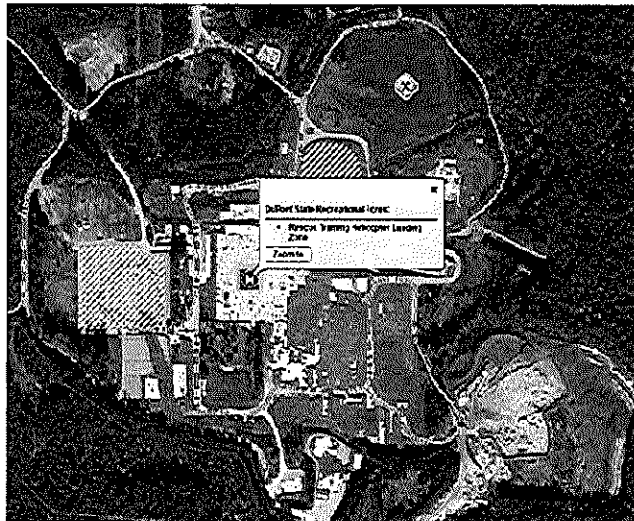
Recreation Area



Drivers Training Course



Helicopter Landing Site



Land Navigation Course



Appendix B
Groundwater Discharge Calculations

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Flow in Aquifer (Qa) Calculation

Parameter	Value	Reference
Qa = Flow in aquifer, cf/sec	2.69E-02	=Qa / 86400 sec/day
Qa = Flow in aquifer, cf/day		
where		
Qa = Qgw x Z x L	2.32E+03	Calculated
and		
Qgw = Groundwater discharge, cf/ft-day	3.81E-01	Calculated
Z = Fraction of aquifer flow	1.00E+00	Total discharge
L = Length of discharge zone, ft	6.10E+03	Conservative river reach between perimeter wells MW-104A to MW-209A
where		
Qgw = K x I x A		
K = Hydraulic conductivity (ft/min)	4.86E-04	Geometric mean (2.47 cm/second)
I = Hydraulic gradient (ft/ft)	1.60E-02	Average site-specific gradient in eastern portion of the site (April 2009- Parsons, 2009)
A = Aquifer thickness (ft)	3.40E+01	Average site-specific saturated thickness (Figure 23 - Parsons, 2009)

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Flow in River (Qr)

Qr = Flow in river (at USGS station 03441440), cfs			Little River Above High Falls near Cedar Mountain, NC
Harmonic mean flow (for carcinogens)	6.30E+01	USGS	1962 to 1991
7Q10 (for noncarcinogenic substances and for protection of aquatic life)	1.50E+01	NCDENR	Table 1 in Low Flow Characteristics of Streams in NC

Appendix C
Direct Contact Soil Remedial Level Calculations

Attachment C
Forest Ranger Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors		
IFS = IF Soil Ingestion	noncancer	1.62E+06
	cancer	4.54E+06
IFD = IF, Soil Dermal	noncancer	3.90E+05
	cancer	1.09E+06
IFI = IF, Soil Inhalation	noncancer	6.08E+00
	cancer	1.70E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
HQ = Target hazard quotient for noncancer effects	1
TR = Target cancer risk level	1.00E-06
RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
ABS = Dermal absorption factor	chem-spec
VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	-	IRIS	6.49E+02	0.00E+00	6.00E+00	-	-	-	-	-	6.49E+02
Cobalt	3.00E-04	-	PPRTV	4.87E+02	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	4.96E+04	4.82E+02
Silver	5.00E-03	-	IRIS	8.11E+03	0.00E+00	2.00E-04	-	-	-	-	-	8.11E+03
Thallium	1.00E-05	-	PPRTV Appendix	1.62E+01	0.00E+00	1.00E-05	-	-	-	-	-	1.62E+01
Vanadium	5.00E-03	-	See Comment	8.11E+03	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	8.27E+05	8.03E+03
Biphenyl	5.00E-01	-	IRIS	8.11E+05	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	2.99E+02	2.99E+02
Naphthalene	2.00E-02	-	IRIS	3.24E+04	1.30E-01	2.00E-02	5.99E+04	3.00E-03	IRIS	4.99E+04	9.11E+02	8.73E+02

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	2.57E+03	2.57E+03
3-Methylcholanthrene	2.20E+01	-	Cal EPA	2.06E-01	1.00E-01	2.20E+01	4.96E-01	6.30E-03	Cal EPA	-	3.68E+03	1.46E-01
7,12-Dimethylbenz[A]Anthracene	2.50E+02	-	Cal EPA	1.82E-02	1.30E-01	2.50E+02	3.36E-02	7.10E-02	Cal EPA	-	3.26E+02	1.18E-02
Benzo(a)anthracene	7.30E-01	-	NCEA	6.22E+00	1.30E-01	7.30E-01	1.15E+01	1.10E-04	Cal EPA	-	2.11E+05	4.04E+00
Benzo(b)fluoranthene	7.30E-01	-	NCEA	6.22E+00	1.30E-01	7.30E-01	1.15E+01	1.10E-04	Cal EPA	-	2.11E+05	4.04E+00
Benzo(k)fluoranthene	7.30E-02	-	NCEA	6.22E+01	1.30E-01	7.30E-02	1.15E+02	1.10E-04	Cal EPA	-	2.11E+05	4.04E+01
Benzo(a)pyrene	7.30E+00	-	IRIS	6.22E-01	1.30E-01	7.30E+00	1.15E+00	1.10E-03	Cal EPA	-	2.11E+04	4.04E-01
Biphenyl	8.00E-03	-	IRIS	5.68E+02	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	5.68E+02
Chrysene	7.30E-03	-	NCEA	6.22E+02	1.30E-01	7.30E-03	1.15E+03	1.10E-05	Cal EPA	-	2.11E+06	4.04E+02
Dibenz(a,h)anthracene	7.30E+00	-	NCEA	6.22E-01	1.30E-01	7.30E+00	1.15E+00	1.20E-03	Cal EPA	-	1.93E+04	4.04E-01
Indeno(1,2,3-cd)pyrene	7.30E-01	-	NCEA	6.22E+00	1.30E-01	7.30E-01	1.15E+01	1.10E-04	Cal EPA	-	2.11E+05	4.04E+00
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	2.50E+01	2.50E+01

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	6.49E+02
Cobalt	4.82E+02
Silver	8.11E+03
Thallium	1.62E+01
Vanadium	8.03E+03
3-Methylcholanthrene	1.46E-01
7,12-Dimethylbenz[A]Anthracene	1.18E-02
Benzo(a)anthracene	4.04E+00
Benzo(b)fluoranthene	4.04E+00
Benzo(k)fluoranthene	4.04E+01
Benzo(a)pyrene	4.04E-01
Biphenyl	2.99E+02
Chrysene	4.04E+02
Dibenz(a,h)anthracene	4.04E-01
Indeno(1,2,3-cd)pyrene	4.04E+00
Naphthalene	2.50E+01

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Natl Guard Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	6.21E+06
cancer	5.44E+07
noncancer	5.97E+05
cancer	5.22E+06
noncancer	7.77E+00
cancer	6.80E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-06
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	2.49E+03	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	2.49E+03
Cobalt	3.00E-04	PPRTV	1.86E+03	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	6.34E+04	1.81E+03
Silver	5.00E-03	IRIS	3.11E+04	0.00E+00	2.00E-04	-	-	-	-	-	-	3.11E+04
Thallium	1.00E-05	PPRTV Appendix	6.21E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	6.21E+01
Vanadium	5.00E-03	See Comment	3.11E+04	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	1.06E+06	3.02E+04
Biphenyl	5.00E-01	IRIS	3.11E+06	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	3.82E+02	3.82E+02
Naphthalene	2.00E-02	IRIS	1.24E+05	1.30E-01	2.00E-02	9.18E+04	3.00E-03	-	IRIS	4.99E+04	1.16E+03	1.14E+03

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.03E+04	1.03E+04
3-Methylcholanthrene	2.20E+01	Cal EPA	2.47E+00	1.00E-01	2.20E+01	2.37E+00	6.30E-03	Cal EPA	-	-	1.47E+04	1.21E+00
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	2.17E-01	1.30E-01	2.50E+02	1.61E-01	7.10E-02	Cal EPA	-	-	1.30E+03	9.24E-02
Benzo(a)anthracene	7.30E-01	NCEA	7.45E+01	1.30E-01	7.30E-01	5.50E+01	1.10E-04	Cal EPA	-	-	8.40E+05	3.16E+01
Benzo(b)fluoranthene	7.30E-01	NCEA	7.45E+01	1.30E-01	7.30E-01	5.50E+01	1.10E-04	Cal EPA	-	-	8.40E+05	3.16E+01
Benzo(k)fluoranthene	7.30E-02	NCEA	7.45E+02	1.30E-01	7.30E-02	5.50E+02	1.10E-04	Cal EPA	-	-	8.40E+05	3.16E+02
Benzo(a)pyrene	7.30E+00	IRIS	7.45E+00	1.30E-01	7.30E+00	5.50E+00	1.10E-03	Cal EPA	-	-	8.40E+04	3.16E+00
Biphenyl	8.00E-03	IRIS	6.80E+03	0.00E+00	8.00E-03	-	-	-	-	1.23E+05	-	6.80E+03
Chrysene	7.30E-03	NCEA	7.45E+03	1.30E-01	7.30E-03	5.50E+03	1.10E-05	Cal EPA	-	-	8.40E+06	3.16E+03
Dibenz(a,h)anthracene	7.30E+00	NCEA	7.45E+00	1.30E-01	7.30E+00	5.50E+00	1.20E-03	Cal EPA	-	-	7.70E+04	3.16E+00
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	7.45E+01	1.30E-01	7.30E-01	5.50E+01	1.10E-04	Cal EPA	-	-	8.40E+05	3.16E+01
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	9.97E+01	9.97E+01	

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	2.49E+03
Cobalt	1.81E+03
Silver	3.11E+04
Thallium	6.21E+01
Vanadium	3.02E+04
3-Methylcholanthrene	1.21E+00
7,12-Dimethylbenz[A]Anthracene	9.24E-02
Benzo(a)anthracene	3.16E+01
Benzo(b)fluoranthene	3.16E+01
Benzo(k)fluoranthene	3.16E+02
Benzo(a)pyrene	3.16E+00
Biphenyl	3.82E+02
Chrysene	3.16E+03
Dibenz(a,h)anthracene	3.16E+00
Indeno(1,2,3-cd)pyrene	3.16E+01
Naphthalene	9.97E+01

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors

IFS = IF Soil Ingestion
noncancer 8.85E+06
cancer 2.48E+07

IFD = IF, Soil Dermal
noncancer 2.80E+06
cancer 7.85E+06

IFI = IF, Soil Inhalation
noncancer 1.10E+02
cancer 3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Calculated

Calculated

1

1.00E-06

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	3.54E+03	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	3.54E+03
Cobalt	3.00E-04	PPRTV	2.65E+03	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	8.94E+05	2.65E+03
Silver	5.00E-03	IRIS	4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	-	4.42E+04
Thallium	1.00E-05	PPRTV Appendix	8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	8.85E+01
Vanadium	5.00E-03	See Comment	4.42E+04	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	1.49E+07	4.41E+04
Biphenyl	5.00E-01	IRIS	4.42E+06	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	5.38E+03
Naphthalene	2.00E-02	IRIS	1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	-	IRIS	4.99E+04	1.64E+04	1.45E+04

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	4.63E+04	4.63E+04
3-Methylcholanthrene	2.20E+01	Cal EPA	1.13E+00	1.00E-01	2.20E+01	3.57E+00	6.30E-03	Cal EPA	-	6.62E+04	8.56E-01	
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	9.91E-02	1.30E-01	2.50E+02	2.42E-01	7.10E-02	Cal EPA	-	5.87E+03	7.03E-02	
Benzo(a)anthracene	7.30E-01	NCEA	3.39E+01	1.30E-01	7.30E-01	8.28E+01	1.10E-04	Cal EPA	-	3.79E+06	2.41E+01	
Benzo(b)fluoranthene	7.30E-01	NCEA	3.39E+01	1.30E-01	7.30E-01	8.28E+01	1.10E-04	Cal EPA	-	3.79E+06	2.41E+01	
Benzo(k)fluoranthene	7.30E-02	NCEA	3.39E+02	1.30E-01	7.30E-02	8.28E+02	1.10E-04	Cal EPA	-	3.79E+06	2.41E+02	
Benzo(a)pyrene	7.30E+00	IRIS	3.39E+00	1.30E-01	7.30E+00	8.28E+00	1.10E-03	Cal EPA	-	3.79E+05	2.41E+00	
Biphenyl	8.00E-03	IRIS	3.10E+03	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	-	3.10E+03
Chrysene	7.30E-03	NCEA	3.39E+03	1.30E-01	7.30E-03	8.28E+03	1.10E-05	Cal EPA	-	3.79E+07	2.41E+03	
Dibenz(a,h)anthracene	7.30E+00	NCEA	3.39E+00	1.30E-01	7.30E+00	8.28E+00	1.20E-03	Cal EPA	-	3.47E+05	2.41E+00	
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	3.39E+01	1.30E-01	7.30E-01	8.28E+01	1.10E-04	Cal EPA	-	3.79E+06	2.41E+01	
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+02	4.50E+02	

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	3.54E+03
Cobalt	2.65E+03
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
3-Methylcholanthrene	8.56E-01
7,12-Dimethylbenz[A]Anthracene	7.03E-02
Benzo(a)anthracene	2.41E+01
Benzo(b)fluoranthene	2.41E+01
Benzo(k)fluoranthene	2.41E+02
Benzo(a)pyrene	2.41E+00
Biphenyl	3.10E+03
Chrysene	2.41E+03
Dibenz(a,h)anthracene	2.41E+00
Indeno(1,2,3-cd)pyrene	2.41E+01
Naphthalene	4.50E+02

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SfD \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	8.85E+06
cancer	2.48E+07
noncancer	2.80E+06
cancer	7.85E+06
noncancer	1.10E+02
cancer	3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-06
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	3.54E+03	0.00E+00	6.00E+00	6.00E-04	-	-	-	-	-	3.54E+03
Arsenic	3.00E-04	IRIS	4.42E+03	3.00E-02	3.00E-04	2.80E+04	1.50E-05	Cal EPA	-	2.23E+06	3.81E+03	
Cobalt	3.00E-04	PPRTV	2.65E+03	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	8.94E+05	2.65E+03	
Nickel	2.00E-02	IRIS	1.77E+05	0.00E+00	8.00E-04	-	9.00E-05	ATSDR	-	1.34E+07	1.75E+05	
Silver	5.00E-03	IRIS	4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	4.42E+04	
Thallium	1.00E-05	PPRTV Appendix	8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	8.85E+01	
Vanadium	5.00E-03	See Comment	4.42E+04	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	1.49E+07	4.41E+04	
Zinc	3.00E-01	IRIS	2.65E+06	0.00E+00	3.00E-01	-	-	-	-	-	2.65E+06	
1,1,2,2-Tetrachloroethane	2.00E-02	IRIS	1.77E+05	0.00E+00	2.00E-02	-	-	-	1.63E+04	-	1.77E+05	
1,1,2-Trichloroethane	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	2.00E-04	PPRTV Appendix	7.77E+03	1.70E+02	1.69E+02	
1,2-Dichloroethane	6.00E-03	PPRTV Appendix	5.31E+04	0.00E+00	6.00E-03	-	7.00E-03	PPRTV	4.92E+03	3.77E+03	3.52E+03	
1-Methylnaphthalene	7.00E-02	ATSDR	6.19E+05	1.30E-01	7.00E-02	1.51E+06	-	-	6.31E+04	-	4.39E+05	
2-Methylnaphthalene	4.00E-03	IRIS	3.54E+04	1.30E-01	4.00E-03	8.63E+04	-	-	6.24E+04	-	2.51E+04	
Benzene	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	3.00E-02	IRIS	3.81E+03	1.25E+04	9.25E+03	
Biphenyl	5.00E-01	IRIS	4.42E+06	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	5.38E+03	
cis-1,2-Dichloroethene	2.00E-03	IRIS	1.77E+04	0.00E+00	2.00E-03	-	-	-	2.69E+03	-	1.77E+04	
Dibenzofuran	1.00E-03	PPRTV Appendix	8.85E+03	0.00E+00	1.00E-03	-	-	-	-	-	8.85E+03	
Diphenyl Ether	3.00E-01	DuPont	2.65E+06	0.00E+00	3.00E-01	-	3.50E-01	DuPont	8.86E+04	3.40E+06	1.49E+06	
Ethylbenzene	1.00E-01	IRIS	8.85E+05	0.00E+00	1.00E-01	-	1.00E+00	IRIS	6.10E+03	6.68E+05	3.81E+05	
Naphthalene	2.00E-02	IRIS	1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	IRIS	4.99E+04	1.64E+04	1.45E+04	
Tetrachloroethylene	6.00E-03	IRIS	5.31E+04	0.00E+00	6.00E-03	-	4.00E-02	IRIS	2.53E+03	1.11E+04	9.17E+03	
Trichloroethene	5.00E-04	IRIS	4.42E+03	0.00E+00	5.00E-04	-	2.00E-03	IRIS	2.38E+03	5.21E+02	4.66E+02	

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	SFo	Source	RLc	ABS	SfD	RLc	URF	Source		VF
Arsenic	1.50E+00	IRIS	2.75E+01	3.00E-02	1.50E+00	1.75E+02	4.30E-03	IRIS	-	9.70E+04	2.38E+01
Cobalt	-	-	-	0.00E+00	-	-	9.00E-03	PPRTV	-	4.63E+04	4.63E+04
Nickel	-	-	-	0.00E+00	-	-	2.60E-04	Cal EPA	-	1.60E+06	1.60E+06
1,1,2,2-Tetrachloroethane	2.00E-01	IRIS	1.24E+02	0.00E+00	2.00E-01	-	5.80E-05	Cal EPA	1.63E+04	8.62E+01	5.08E+01
1,1,2-Trichloroethane	5.70E-02	IRIS	4.35E+02	0.00E+00	5.70E-02	-	1.60E-05	IRIS	7.77E+03	1.49E+02	1.11E+02
1,2-Dichloroethane	9.10E-02	IRIS	2.72E+02	0.00E+00	9.10E-02	-	2.60E-05	IRIS	4.92E+03	5.80E+01	4.78E+01
1,2-Diphenylhydrazine	8.00E-01	IRIS	3.10E+01	1.00E-01	8.00E-01	9.82E+01	2.20E-04	IRIS	-	1.90E+06	2.35E+01
1-Methylnaphthalene	2.90E-02	PPRTV	8.54E+02	1.30E-01	2.90E-02	2.08E+03	-	-	6.31E+04	-	6.06E+02
Benzene	5.50E-02	IRIS	4.50E+02	0.00E+00	5.50E-02	-	7.80E-06	IRIS	3.81E+03	1.50E+02	1.12E+02
Benzo(a)anthracene	7.30E-01	NCEA	3.39E+01	1.30E-01	7.30E-01	8.28E+01	1.10E-04	Cal EPA	-	3.79E+06	2.41E+01
Benzo(b)fluoranthene	7.30E-01	NCEA	3.39E+01	1.30E-01	7.30E-01	8.28E+01	1.10E-04	Cal EPA	-	3.79E+06	2.41E+01
Benzo(a)pyrene	7.30E+00	IRIS	3.39E+01	1.30E-01	7.30E+00	8.28E+00	1.10E-03	Cal EPA	-	3.79E+05	2.41E+00
Biphenyl	8.00E-03	IRIS	3.10E+03	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	3.10E+03
Ethylbenzene	1.10E-02	Cal EPA	2.25E+03	0.00E+00	1.10E-02	-	2.50E-06	Cal EPA	6.10E+03	7.48E+02	5.62E+02
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+02	4.50E+02
Tetrachloroethylene	2.10E-03	IRIS	1.18E+04	0.00E+00	2.10E-03	-	2.60E-07	IRIS	2.53E+03	2.98E+03	2.38E+03
Trichloroethene	4.60E-02	IRIS	5.39E+02	0.00E+00	4.60E-02	-	4.10E-06	IRIS	2.38E+03	1.78E+02	1.34E+02

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Lower of the RLn and RL

Constituent	RL (mg/kg)
Antimony	3.54E+03
Arsenic	2.38E+01
Cobalt	2.65E+03
Nickel	1.75E+05
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
Zinc	2.65E+06
1,1,2,2-Tetrachloroethane	5.08E+01
1,1,2-Trichloroethane	1.11E+02
1,2-Dichloroethane	4.78E+01
1,2-Diphenylhydrazine	2.35E+01
1-Methylnaphthalene	6.06E+02
2-Methylnaphthalene	2.51E+04
Benzene	1.12E+02
Benzo(a)anthracene	2.41E+01
Benzo(b)fluoranthene	2.41E+01
Benzo(a)pyrene	2.41E+00
Biphenyl	3.10E+03
cis-1,2-Dichloroethene	1.77E+04
Dibenzofuran	8.85E+03
Diphenyl Ether	1.49E+06
Ethylbenzene	5.62E+02
Naphthalene	4.50E+02
Tetrachloroethylene	2.38E+03
Trichloroethene	1.34E+02

Arsenic soil ingestion has been adjusted using a relative bioavailability factor of 0.6
Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Trail User Remedial Level Calculations
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion $RLn = HQ \times IFSn \times RfDo$ $RLc = TR \times IFSc / SFo$ Where:	Soil Dermal Absorption $RLn = HQ \times IFDn \times RfDd / (ABS)$ $RLc = TR \times IFDc / (SFd \times ABS)$	Soil Inhalation $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$ $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$	Multiple Pathway $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$
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IF = Intake Factors			RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
IFS = IF Soil Ingestion	noncancer	1.01E+06	RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
	cancer	9.01E+06	HQ = Target hazard quotient for noncancer effects	1
	mutagen	1.99E+06	TR = Target cancer risk level	1.00E-06
IFD = IF, Soil Dermal	noncancer	3.77E+05	RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
	cancer	2.95E+06	RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
	mutagen	6.96E+05	SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
IFI = IF, Soil Inhalation	noncancer	4.06E+01	RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
	cancer	1.09E-01	URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
	mutagen	3.74E-02	ABS = Dermal absorption factor	chem-spec
			VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
			PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	-	IRIS	4.06E+02	0.00E+00	6.00E+00	-	-	-	-	-	4.06E+02
Cobalt	3.00E-04	-	PPRTV	3.04E+02	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	3.31E+05	3.04E+02
Silver	5.00E-03	-	IRIS	5.07E+03	0.00E+00	2.00E-04	-	-	-	-	-	5.07E+03
Thallium	1.00E-05	-	PPRTV Appendix	1.01E+01	0.00E+00	1.00E-05	-	-	-	-	-	1.01E+01
Vanadium	5.00E-03	-	See Comment	5.07E+03	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	5.52E+06	5.06E+03
Biphenyl	5.00E-01	-	IRIS	5.07E+05	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	2.00E+03	1.99E+03
Naphthalene	2.00E-02	-	IRIS	2.03E+04	1.30E-01	2.00E-02	5.80E+04	3.00E-03	IRIS	4.99E+04	6.07E+03	4.32E+03

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.65E+04	1.65E+04
3-Methylcholanthrene	2.20E+01	-	Cal EPA	9.02E-02	1.00E-01	2.20E+01	3.17E-01	6.30E-03	Cal EPA	-	8.06E+03	7.02E-02
7,12-Dimethylbenz[A]Anthracene	2.50E+02	-	Cal EPA	7.94E-03	1.30E-01	2.50E+02	2.14E-02	7.10E-02	Cal EPA	-	7.16E+02	5.79E-03
Benzo(a)anthracene	7.30E-01	-	NCEA	2.72E+00	1.30E-01	7.30E-01	7.34E+00	1.10E-04	Cal EPA	-	4.62E+05	1.98E+00
Benzo(b)fluoranthene	7.30E-01	-	NCEA	2.72E+00	1.30E-01	7.30E-01	7.34E+00	1.10E-04	Cal EPA	-	4.62E+05	1.98E+00
Benzo(k)fluoranthene	7.30E-02	-	NCEA	2.72E+01	1.30E-01	7.30E-02	7.34E+01	1.10E-04	Cal EPA	-	4.62E+05	1.98E+01
Benzo(a)pyrene	7.30E+00	-	IRIS	2.72E-01	1.30E-01	7.30E+00	7.34E-01	1.10E-03	Cal EPA	-	4.62E+04	1.98E-01
Biphenyl	8.00E-03	-	IRIS	1.13E+03	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	1.13E+03
Chrysene	7.30E-03	-	NCEA	2.72E+02	1.30E-01	7.30E-03	7.34E+02	1.10E-05	Cal EPA	-	4.62E+06	1.98E+02
Dibenz(a,h)anthracene	7.30E+00	-	NCEA	2.72E-01	1.30E-01	7.30E+00	7.34E-01	1.20E-03	Cal EPA	-	4.23E+04	1.98E-01
Indeno(1,2,3-cd)pyrene	7.30E-01	-	NCEA	2.72E+00	1.30E-01	7.30E-01	7.34E+00	1.10E-04	Cal EPA	-	4.62E+05	1.98E+00
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	1.60E+02	1.60E+02

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	4.06E+02
Cobalt	3.04E+02
Silver	5.07E+03
Thallium	1.01E+01
Vanadium	5.06E+03
3-Methylcholanthrene	7.02E-02
7,12-Dimethylbenz[A]Anthracene	5.79E-03
Benzo(a)anthracene	1.98E+00
Benzo(b)fluoranthene	1.98E+00
Benzo(k)fluoranthene	1.98E+01
Benzo(a)pyrene	1.98E-01
Biphenyl	1.13E+03
Chrysene	1.98E+02
Dibenz(a,h)anthracene	1.98E-01
Indeno(1,2,3-cd)pyrene	1.98E+00
Naphthalene	1.60E+02

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Forest Ranger Remedial Level Calculations, 1 x 10⁻⁵ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	1.62E+06
cancer	4.54E+06
noncancer	3.90E+05
cancer	1.09E+06
noncancer	6.08E+00
cancer	1.70E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-05
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	6.49E+02	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	6.49E+02
Cobalt	3.00E-04	PPRTV	4.87E+02	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	4.96E+04	4.82E+02
Silver	5.00E-03	IRIS	8.11E+03	0.00E+00	2.00E-04	-	-	-	-	-	-	8.11E+03
Thallium	1.00E-05	PPRTV Appendix	1.62E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	1.62E+01
Vanadium	5.00E-03	See Comment	8.11E+03	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	8.27E+05	8.03E+03
Biphenyl	5.00E-01	IRIS	8.11E+05	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	2.99E+02	2.99E+02
Naphthalene	2.00E-02	IRIS	3.24E+04	1.30E-01	2.00E-02	5.99E+04	3.00E-03	-	IRIS	4.99E+04	9.11E+02	8.73E+02

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	2.57E+04	2.57E+04
3-Methylcholanthrene	2.20E+01	Cal EPA	2.06E+00	1.00E-01	2.20E+01	4.96E+00	6.30E-03	Cal EPA	-	3.68E+04	1.46E+00	
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	1.82E-01	1.30E-01	2.50E+02	3.36E-01	7.10E-02	Cal EPA	-	3.26E+03	1.18E-01	
Benzo(a)anthracene	7.30E-01	NCEA	6.22E+01	1.30E-01	7.30E-01	1.15E+02	1.10E-04	Cal EPA	-	2.11E+06	4.04E+01	
Benzo(b)fluoranthene	7.30E-01	NCEA	6.22E+01	1.30E-01	7.30E-01	1.15E+02	1.10E-04	Cal EPA	-	2.11E+06	4.04E+01	
Benzo(k)fluoranthene	7.30E-02	NCEA	6.22E+02	1.30E-01	7.30E-02	1.15E+03	1.10E-04	Cal EPA	-	2.11E+06	4.04E+02	
Benzo(a)pyrene	7.30E+00	IRIS	6.22E+00	1.30E-01	7.30E+00	1.15E+01	1.10E-03	Cal EPA	-	2.11E+05	4.04E+00	
Biphenyl	8.00E-03	IRIS	5.68E+03	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	5.68E+03	
Chrysene	7.30E-03	NCEA	6.22E+03	1.30E-01	7.30E-03	1.15E+04	1.10E-05	Cal EPA	-	2.11E+07	4.04E+03	
Dibenz(a,h)anthracene	7.30E+00	NCEA	6.22E+00	1.30E-01	7.30E+00	1.15E+01	1.20E-03	Cal EPA	-	1.93E+05	4.04E+00	
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	6.22E+01	1.30E-01	7.30E-01	1.15E+02	1.10E-04	Cal EPA	-	2.11E+06	4.04E+01	
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	2.50E+02	2.50E+02	

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	6.49E+02
Cobalt	4.82E+02
Silver	8.11E+03
Thallium	1.62E+01
Vanadium	8.03E+03
3-Methylcholanthrene	1.46E+00
7,12-Dimethylbenz[A]Anthracene	1.18E-01
Benzo(a)anthracene	4.04E+01
Benzo(b)fluoranthene	4.04E+01
Benzo(k)fluoranthene	4.04E+02
Benzo(a)pyrene	4.04E+00
Biphenyl	2.99E+02
Chrysene	4.04E+03
Dibenz(a,h)anthracene	4.04E+00
Indeno(1,2,3-cd)pyrene	4.04E+01
Naphthalene	2.50E+02

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Natl Guard Remedial Level Calculations, 1 x10-5 Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	6.21E+06
cancer	5.44E+07
noncancer	5.97E+05
cancer	5.22E+06
noncancer	7.77E+00
cancer	6.80E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-05
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	2.49E+03	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	2.49E+03
Cobalt	3.00E-04	PPRTV	1.86E+03	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	6.34E+04	1.81E+03
Silver	5.00E-03	IRIS	3.11E+04	0.00E+00	2.00E-04	-	-	-	-	-	-	3.11E+04
Thallium	1.00E-05	PPRTV Appendix	6.21E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	6.21E+01
Vanadium	5.00E-03	See Comment	3.11E+04	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	1.06E+06	3.02E+04
Biphenyl	5.00E-01	IRIS	3.11E+06	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	3.82E+02	3.82E+02
Naphthalene	2.00E-02	IRIS	1.24E+05	1.30E-01	2.00E-02	9.18E+04	3.00E-03	IRIS	4.99E+04	1.16E+03	1.14E+03	

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.03E+05	1.03E+05
3-Methylcholanthrene	2.20E+01	Cal EPA	2.47E+01	1.00E-01	2.20E+01	2.37E+01	6.30E-03	Cal EPA	-	-	1.47E+05	1.21E+01
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	2.17E+00	1.30E-01	2.50E+02	1.61E+00	7.10E-02	Cal EPA	-	-	1.30E+04	9.24E-01
Benzo(a)anthracene	7.30E-01	NCEA	7.45E+02	1.30E-01	7.30E-01	5.50E+02	1.10E-04	Cal EPA	-	-	8.40E+06	3.16E+02
Benzo(b)fluoranthene	7.30E-01	NCEA	7.45E+02	1.30E-01	7.30E-01	5.50E+02	1.10E-04	Cal EPA	-	-	8.40E+06	3.16E+02
Benzo(k)fluoranthene	7.30E-02	NCEA	7.45E+03	1.30E-01	7.30E-02	5.50E+03	1.10E-04	Cal EPA	-	-	8.40E+06	3.16E+03
Benzo(a)pyrene	7.30E+00	IRIS	7.45E+01	1.30E-01	7.30E+00	5.50E+01	1.10E-03	Cal EPA	-	-	8.40E+05	3.16E+01
Biphenyl	8.00E-03	IRIS	6.80E+04	0.00E+00	8.00E-03	-	-	-	-	1.23E+05	-	6.80E+04
Chrysene	7.30E-03	NCEA	7.45E+04	1.30E-01	7.30E-03	5.50E+04	1.10E-05	Cal EPA	-	-	8.40E+07	3.16E+04
Dibenz(a,h)anthracene	7.30E+00	NCEA	7.45E+01	1.30E-01	7.30E+00	5.50E+01	1.20E-03	Cal EPA	-	-	7.70E+05	3.16E+01
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	7.45E+02	1.30E-01	7.30E-01	5.50E+02	1.10E-04	Cal EPA	-	-	8.40E+06	3.16E+02
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	9.97E+02	9.97E+02

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	2.49E+03
Cobalt	1.81E+03
Silver	3.11E+04
Thallium	6.21E+01
Vanadium	3.02E+04
3-Methylcholanthrene	1.21E+01
7,12-Dimethylbenz[A]Anthracene	9.24E-01
Benzo(a)anthracene	3.16E+02
Benzo(b)fluoranthene	3.16E+02
Benzo(k)fluoranthene	3.16E+03
Benzo(a)pyrene	3.16E+01
Biphenyl	3.82E+02
Chrysene	3.16E+04
Dibenz(a,h)anthracene	3.16E+01
Indeno(1,2,3-cd)pyrene	3.16E+02
Naphthalene	9.97E+02

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Remedial Level Calculations, 1 x10-5 Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors		
IFS = IF Soil Ingestion	noncancer	8.85E+06
	cancer	2.48E+07
IFD = IF, Soil Dermal	noncancer	2.80E+06
	cancer	7.85E+06
IFI = IF, Soil Inhalation	noncancer	1.10E+02
	cancer	3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
HQ = Target hazard quotient for noncancer effects	1
TR = Target cancer risk level	1.00E-05
RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
ABS = Dermal absorption factor	chem-spec
VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS		3.54E+03	0.00E+00	6.00E+00	-	-	-	-	-	3.54E+03
Cobalt	3.00E-04	PPRTV		2.65E+03	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	8.94E+05	2.65E+03
Silver	5.00E-03	IRIS		4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	4.42E+04
Thallium	1.00E-05	PPRTV Appendix		8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	8.85E+01
Vanadium	5.00E-03	See Comment		4.42E+04	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	1.49E+07	4.41E+04
Biphenyl	5.00E-01	IRIS		4.42E+06	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	5.38E+03
Naphthalene	2.00E-02	IRIS		1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	IRIS	4.99E+04	1.64E+04	1.45E+04

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	4.63E+05	4.63E+05
3-Methylcholanthrene	2.20E+01	Cal EPA		1.13E+01	1.00E-01	2.20E+01	3.57E+01	6.30E-03	Cal EPA	-	6.62E+05	8.56E+00
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA		9.91E-01	1.30E-01	2.50E+02	2.42E+00	7.10E-02	Cal EPA	-	5.87E+04	7.03E-01
Benzo(a)anthracene	7.30E-01	NCEA		3.39E+02	1.30E-01	7.30E-01	8.28E+02	1.10E-04	Cal EPA	-	3.79E+07	2.41E+02
Benzo(b)fluoranthene	7.30E-01	NCEA		3.39E+02	1.30E-01	7.30E-01	8.28E+02	1.10E-04	Cal EPA	-	3.79E+07	2.41E+02
Benzo(k)fluoranthene	7.30E-02	NCEA		3.39E+03	1.30E-01	7.30E-02	8.28E+03	1.10E-04	Cal EPA	-	3.79E+07	2.41E+03
Benzo(a)pyrene	7.30E+00	IRIS		3.39E+01	1.30E-01	7.30E+00	8.28E+01	1.10E-03	Cal EPA	-	3.79E+06	2.41E+01
Biphenyl	8.00E-03	IRIS		3.10E+04	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	3.10E+04
Chrysene	7.30E-03	NCEA		3.39E+04	1.30E-01	7.30E-03	8.28E+04	1.10E-05	Cal EPA	-	3.79E+08	2.41E+04
Dibenz(a,h)anthracene	7.30E+00	NCEA		3.39E+01	1.30E-01	7.30E+00	8.28E+01	1.20E-03	Cal EPA	-	3.47E+06	2.41E+01
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA		3.39E+02	1.30E-01	7.30E-01	8.28E+02	1.10E-04	Cal EPA	-	3.79E+07	2.41E+02
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+03	4.50E+03

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	3.54E+03
Cobalt	2.65E+03
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
3-Methylcholanthrene	8.56E+00
7,12-Dimethylbenz[A]Anthracene	7.03E-01
Benzo(a)anthracene	2.41E+02
Benzo(b)fluoranthene	2.41E+02
Benzo(k)fluoranthene	2.41E+03
Benzo(a)pyrene	2.41E+01
Biphenyl	5.38E+03
Chrysene	2.41E+04
Dibenz(a,h)anthracene	2.41E+01
Indeno(1,2,3-cd)pyrene	2.41E+02
Naphthalene	4.50E+03

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations, 1 x 10⁻⁵ Risk Target

Former DuPont Brevard Facility
 Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
 Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SfD \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
 IFS = IF Soil Ingestion
 IFD = IF, Soil Dermal
 IFI = IF, Soil Inhalation

noncancer	8.85E+06
cancer	2.48E+07
noncancer	2.80E+06
cancer	7.85E+06
noncancer	1.10E+02
cancer	3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg) Calculated
 RBCc = Risk-based concentration for carcinogens (mg/kg) Calculated
 HQ = Target hazard quotient for noncancer effects 1
 TR = Target cancer risk level 1.00E-05
 RfDo = Oral Reference Dose, mg/kgBW-day chem-spec
 RfDd = Dermal Reference Dose, mg/kgBW-day chem-spec
 SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹ chem-spec
 RfC = Inhalation Reference Concentration (mg/m³) chem-spec
 URF = Inhalation Unit Risk Factor (ug/m³)⁻¹ chem-spec
 ABS = Dermal absorption factor chem-spec
 VF = Soil to Air Volatilization Factor, m³/kg chem-spec
 PEF = Particulate Emission Factor, m³/kg 1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	3.54E+03	0.00E+00	6.00E+00	-	-	-	-	-	-	3.54E+03
Arsenic	3.00E-04	IRIS	4.42E+03	3.00E-02	3.00E-04	2.80E+04	1.50E-05	Cal EPA	-	2.23E+06	-	3.81E+03
Cobalt	3.00E-04	PPRTV	2.65E+03	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	8.94E+05	-	2.65E+03
Nickel	2.00E-02	IRIS	1.77E+05	0.00E+00	8.00E-04	-	9.00E-05	ATSDR	-	1.34E+07	-	1.75E+05
Silver	5.00E-03	IRIS	4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	-	4.42E+04
Thallium	1.00E-05	PPRTV Appendix	8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	8.85E+01
Vanadium	5.00E-03	See Comment	4.42E+04	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	1.49E+07	-	4.41E+04
Zinc	3.00E-01	IRIS	2.65E+06	0.00E+00	3.00E-01	-	-	-	-	-	-	2.65E+06
1,1,2,2-Tetrachloroethane	2.00E-02	IRIS	1.77E+05	0.00E+00	2.00E-02	-	-	-	1.63E+04	-	-	1.77E+05
1,1,2-Trichloroethane	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	2.00E-04	PPRTV Appendix	7.77E+03	1.70E+02	-	1.69E+02
1,2-Dichloroethane	6.00E-03	PPRTV Appendix	5.31E+04	0.00E+00	6.00E-03	-	7.00E-03	PPRTV	4.92E+03	3.77E+03	-	3.52E+03
1-Methylnaphthalene	7.00E-02	ATSDR	6.19E+05	1.30E-01	7.00E-02	1.51E+06	-	-	6.31E+04	-	-	4.39E+05
2-Methylnaphthalene	4.00E-03	IRIS	3.54E+04	1.30E-01	4.00E-03	8.63E+04	-	-	6.24E+04	-	-	2.51E+04
Benzene	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	3.00E-02	IRIS	3.81E+03	1.25E+04	-	9.25E+03
Biphenyl	5.00E-01	IRIS	4.42E+06	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	-	5.38E+03
cis-1,2-Dichloroethene	2.00E-03	IRIS	1.77E+04	0.00E+00	2.00E-03	-	-	-	2.69E+03	-	-	1.77E+04
Dibenzofuran	1.00E-03	PPRTV Appendix	8.85E+03	0.00E+00	1.00E-03	-	-	-	-	-	-	8.85E+03
Diphenyl Ether	3.00E-01	DuPont	2.65E+06	0.00E+00	3.00E-01	-	3.50E-01	DuPont	8.86E+04	3.40E+06	-	1.49E+06
Ethylbenzene	1.00E-01	IRIS	8.85E+05	0.00E+00	1.00E-01	-	1.00E+00	IRIS	6.10E+03	6.68E+05	-	3.81E+05
Naphthalene	2.00E-02	IRIS	1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	IRIS	4.99E+04	1.64E+04	-	1.45E+04
Tetrachloroethylene	6.00E-03	IRIS	5.31E+04	0.00E+00	6.00E-03	-	4.00E-02	IRIS	2.53E+03	1.11E+04	-	9.17E+03
Trichloroethene	5.00E-04	IRIS	4.42E+03	0.00E+00	5.00E-04	-	2.00E-03	IRIS	2.38E+03	5.21E+02	-	4.66E+02

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SfD	RLc	URF	Source		VF	RLc
Arsenic	1.50E+00	IRIS	2.75E+02	3.00E-02	1.50E+00	1.75E+03	4.30E-03	IRIS	-	9.70E+05	-	2.38E+02
Cobalt	-	-	-	0.00E+00	-	-	9.00E-03	PPRTV	-	4.63E+05	-	4.63E+05
Nickel	-	-	-	0.00E+00	-	-	2.60E-04	Cal EPA	-	1.60E+07	-	1.60E+07
1,1,2,2-Tetrachloroethane	2.00E-01	IRIS	1.24E+03	0.00E+00	2.00E-01	-	5.80E-05	Cal EPA	1.63E+04	8.62E+02	-	5.08E+02
1,1,2-Trichloroethane	5.70E-02	IRIS	4.35E+03	0.00E+00	5.70E-02	-	1.60E-05	IRIS	7.77E+03	1.49E+03	-	1.11E+03
1,2-Dichloroethane	9.10E-02	IRIS	2.72E+03	0.00E+00	9.10E-02	-	2.60E-05	IRIS	4.92E+03	5.80E+02	-	4.78E+02
1,2-Diphenylhydrazine	8.00E-01	IRIS	3.10E+02	1.00E-01	8.00E-01	9.82E+02	2.20E-04	IRIS	-	1.90E+07	-	2.35E+02
1-Methylnaphthalene	2.90E-02	PPRTV	8.54E+03	1.30E-01	2.90E-02	2.08E+04	-	-	6.31E+04	-	-	6.06E+03
Benzene	5.50E-02	IRIS	4.50E+03	0.00E+00	5.50E-02	-	7.80E-06	IRIS	3.81E+03	1.50E+03	-	1.12E+03
Benzo(a)anthracene	7.30E-01	NCEA	3.39E+02	1.30E-01	7.30E-01	8.28E+02	1.10E-04	Cal EPA	-	3.79E+07	-	2.41E+02
Benzo(b)fluoranthene	7.30E-01	NCEA	3.39E+02	1.30E-01	7.30E-01	8.28E+02	1.10E-04	Cal EPA	-	3.79E+07	-	2.41E+02
Benzo(a)pyrene	7.30E+00	IRIS	3.39E+01	1.30E-01	7.30E+00	8.28E+01	1.10E-03	Cal EPA	-	3.79E+06	-	2.41E+01
Biphenyl	8.00E-03	IRIS	3.10E+04	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	-	3.10E+04
Ethylbenzene	1.10E-02	Cal EPA	2.25E+04	0.00E+00	1.10E-02	-	2.50E-06	Cal EPA	6.10E+03	7.48E+03	-	5.62E+03
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+03	-	4.50E+03
Tetrachloroethylene	2.10E-03	IRIS	1.18E+05	0.00E+00	2.10E-03	-	2.60E-07	IRIS	2.53E+03	2.98E+04	-	2.38E+04
Trichloroethene	4.60E-02	IRIS	5.39E+03	0.00E+00	4.60E-02	-	4.10E-06	IRIS	2.38E+03	1.78E+03	-	1.34E+03

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations, 1 x 10⁻⁵ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Lower of the RLn and RL

Constituent	RL (mg/kg)
Antimony	3.54E+03
Arsenic	2.38E+02
Cobalt	2.65E+03
Nickel	1.75E+05
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
Zinc	2.65E+06
1,1,2,2-Tetrachloroethane	5.08E+02
1,1,2-Trichloroethane	1.69E+02
1,2-Dichloroethane	4.78E+02
1,2-Diphenylhydrazine	2.35E+02
1-Methylnaphthalene	6.06E+03
2-Methylnaphthalene	2.51E+04
Benzene	1.12E+03
Benzo(a)anthracene	2.41E+02
Benzo(b)fluoranthene	2.41E+02
Benzo(a)pyrene	2.41E+01
Biphenyl	5.38E+03
cis-1,2-Dichloroethene	1.77E+04
Dibenzofuran	8.85E+03
Diphenyl Ether	1.49E+06
Ethylbenzene	5.62E+03
Naphthalene	4.50E+03
Tetrachloroethylene	9.17E+03
Trichloroethene	4.66E+02

Arsenic soil ingestion has been adjusted using a relative bioavailability factor of 0.6
Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Trail User Remedial Level Calculations, 1 x 10⁻⁵ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors				RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
IFS = IF Soil Ingestion	noncancer	1.01E+06		RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
	cancer	9.01E+06		HQ = Target hazard quotient for noncancer effects	1
	mutagen	1.99E+06		TR = Target cancer risk level	1.00E-05
IFD = IF, Soil Dermal	noncancer	3.77E+05		RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
	cancer	2.95E+06		RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
	mutagen	6.96E+05		SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
IFI = IF, Soil Inhalation	noncancer	4.06E+01		RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
	cancer	1.09E-01		URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
	mutagen	3.74E-02		ABS = Dermal absorption factor	chem-spec
				VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
				PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	-	IRIS	4.06E+02	0.00E+00	6.00E+00	-	-	-	-	-	4.06E+02
Cobalt	3.00E-04	-	PPRTV	3.04E+02	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	3.31E+05	3.04E+02
Silver	5.00E-03	-	IRIS	5.07E+03	0.00E+00	2.00E-04	-	-	-	-	-	5.07E+03
Thallium	1.00E-05	-	PPRTV Appendix	1.01E+01	0.00E+00	1.00E-05	-	-	-	-	-	1.01E+01
Vanadium	5.00E-03	-	See Comment	5.07E+03	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	5.52E+06	5.06E+03
Biphenyl	5.00E-01	-	IRIS	5.07E+05	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	2.00E+03	1.99E+03
Naphthalene	2.00E-02	-	IRIS	2.03E+04	1.30E-01	2.00E-02	5.80E+04	3.00E-03	IRIS	4.99E+04	6.07E+03	4.32E+03

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.65E+05	1.65E+05
3-Methylcholanthrene	2.20E+01	-	Cal EPA	9.02E-01	1.00E-01	2.20E+01	3.17E+00	6.30E-03	Cal EPA	-	8.06E+04	7.02E-01
7,12-Dimethylbenz[A]Anthracene	2.50E+02	-	Cal EPA	7.94E-02	1.30E-01	2.50E+02	2.14E-01	7.10E-02	Cal EPA	-	7.16E+03	5.79E-02
Benzo(a)anthracene	7.30E-01	-	NCEA	2.72E+01	1.30E-01	7.30E-01	7.34E+01	1.10E-04	Cal EPA	-	4.62E+06	1.98E+01
Benzo(b)fluoranthene	7.30E-01	-	NCEA	2.72E+01	1.30E-01	7.30E-01	7.34E+01	1.10E-04	Cal EPA	-	4.62E+06	1.98E+01
Benzo(k)fluoranthene	7.30E-02	-	NCEA	2.72E+02	1.30E-01	7.30E-02	7.34E+02	1.10E-04	Cal EPA	-	4.62E+06	1.98E+02
Benzo(a)pyrene	7.30E+00	-	IRIS	2.72E+00	1.30E-01	7.30E+00	7.34E+00	1.10E-03	Cal EPA	-	4.62E+05	1.98E+00
Biphenyl	8.00E-03	-	IRIS	1.13E+04	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	1.13E+04
Chrysene	7.30E-03	-	NCEA	2.72E+03	1.30E-01	7.30E-03	7.34E+03	1.10E-05	Cal EPA	-	4.62E+07	1.98E+03
Dibenz(a,h)anthracene	7.30E+00	-	NCEA	2.72E+00	1.30E-01	7.30E+00	7.34E+00	1.20E-03	Cal EPA	-	4.23E+05	1.98E+00
Indeno(1,2,3-cd)pyrene	7.30E-01	-	NCEA	2.72E+01	1.30E-01	7.30E-01	7.34E+01	1.10E-04	Cal EPA	-	4.62E+06	1.98E+01
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	1.60E+03	1.60E+03

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	4.06E+02
Cobalt	3.04E+02
Silver	5.07E+03
Thallium	1.01E+01
Vanadium	5.06E+03
3-Methylcholanthrene	7.02E-01
7,12-Dimethylbenz[A]Anthracene	5.79E-02
Benzo(a)anthracene	1.98E+01
Benzo(b)fluoranthene	1.98E+01
Benzo(k)fluoranthene	1.98E+02
Benzo(a)pyrene	1.98E+00
Biphenyl	1.99E+03
Chrysene	1.98E+03
Dibenz(a,h)anthracene	1.98E+00
Indeno(1,2,3-cd)pyrene	1.98E+01
Naphthalene	1.60E+03

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Forest Ranger Remedial Level Calculations, 1 x 10⁻⁴ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	1.62E+06
cancer	4.54E+06
noncancer	3.90E+05
cancer	1.09E+06
noncancer	6.08E+00
cancer	1.70E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-04
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	6.49E+02	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	6.49E+02
Cobalt	3.00E-04	PPRTV	4.87E+02	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	4.96E+04	4.82E+02
Silver	5.00E-03	IRIS	8.11E+03	0.00E+00	2.00E-04	-	-	-	-	-	-	8.11E+03
Thallium	1.00E-05	PPRTV Appendix	1.62E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	1.62E+01
Vanadium	5.00E-03	See Comment	8.11E+03	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	8.27E+05	8.03E+03
Biphenyl	5.00E-01	IRIS	8.11E+05	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	2.99E+02	2.99E+02
Naphthalene	2.00E-02	IRIS	3.24E+04	1.30E-01	2.00E-02	5.99E+04	3.00E-03	-	IRIS	4.99E+04	9.11E+02	8.73E+02

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	2.57E+05	2.57E+05
3-Methylcholanthrene	2.20E+01	Cal EPA	2.06E+01	1.00E-01	2.20E+01	4.96E+01	6.30E-03	Cal EPA	-	3.68E+05	1.46E+01	
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	1.82E+00	1.30E-01	2.50E+02	3.36E+00	7.10E-02	Cal EPA	-	3.26E+04	1.18E+00	
Benzo(a)anthracene	7.30E-01	NCEA	6.22E+02	1.30E-01	7.30E-01	1.15E+03	1.10E-04	Cal EPA	-	2.11E+07	4.04E+02	
Benzo(b)fluoranthene	7.30E-01	NCEA	6.22E+02	1.30E-01	7.30E-01	1.15E+03	1.10E-04	Cal EPA	-	2.11E+07	4.04E+02	
Benzo(k)fluoranthene	7.30E-02	NCEA	6.22E+03	1.30E-01	7.30E-02	1.15E+04	1.10E-04	Cal EPA	-	2.11E+07	4.04E+03	
Benzo(a)pyrene	7.30E+00	IRIS	6.22E+01	1.30E-01	7.30E+00	1.15E+02	1.10E-03	Cal EPA	-	2.11E+06	4.04E+01	
Biphenyl	8.00E-03	IRIS	5.68E+04	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	-	5.68E+04
Chrysene	7.30E-03	NCEA	6.22E+04	1.30E-01	7.30E-03	1.15E+05	1.10E-05	Cal EPA	-	2.11E+08	4.04E+04	
Dibenz(a,h)anthracene	7.30E+00	NCEA	6.22E+01	1.30E-01	7.30E+00	1.15E+02	1.20E-03	Cal EPA	-	1.93E+06	4.04E+01	
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	6.22E+02	1.30E-01	7.30E-01	1.15E+03	1.10E-04	Cal EPA	-	2.11E+07	4.04E+02	
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	2.50E+03	2.50E+03	

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	6.49E+02
Cobalt	4.82E+02
Silver	8.11E+03
Thallium	1.62E+01
Vanadium	8.03E+03
3-Methylcholanthrene	1.46E+01
7,12-Dimethylbenz[A]Anthracene	1.18E+00
Benzo(a)anthracene	4.04E+02
Benzo(b)fluoranthene	4.04E+02
Benzo(k)fluoranthene	4.04E+03
Benzo(a)pyrene	4.04E+01
Biphenyl	2.99E+02
Chrysene	4.04E+04
Dibenz(a,h)anthracene	4.04E+01
Indeno(1,2,3-cd)pyrene	4.04E+02
Naphthalene	8.73E+02

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Natl Guard Remedial Level Calculations, 1 x 10⁻⁴ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	6.21E+06
cancer	5.44E+07
noncancer	5.97E+05
cancer	5.22E+06
noncancer	7.77E+00
cancer	6.80E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-04
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	2.49E+03	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	2.49E+03
Cobalt	3.00E-04	PPRTV	1.86E+03	0.00E+00	3.00E-04	-	-	6.00E-06	PPRTV	-	6.34E+04	1.81E+03
Silver	5.00E-03	IRIS	3.11E+04	0.00E+00	2.00E-04	-	-	-	-	-	-	3.11E+04
Thallium	1.00E-05	PPRTV Appendix	6.21E+01	0.00E+00	1.00E-05	-	-	-	-	-	-	6.21E+01
Vanadium	5.00E-03	See Comment	3.11E+04	0.00E+00	1.30E-04	-	-	1.00E-04	ATSDR	-	1.06E+06	3.02E+04
Biphenyl	5.00E-01	IRIS	3.11E+06	0.00E+00	5.00E-01	-	-	4.00E-04	PPRTV Appendix	1.23E+05	3.82E+02	3.82E+02
Naphthalene	2.00E-02	IRIS	1.24E+05	1.30E-01	2.00E-02	9.18E+04	3.00E-03	IRIS	4.99E+04	1.16E+03	1.14E+03	

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.03E+06	1.03E+06
3-Methylcholanthrene	2.20E+01	Cal EPA	2.47E+02	1.00E-01	2.20E+01	2.37E+02	6.30E-03	Cal EPA	-	-	1.47E+06	1.21E+02
7,12-Dimethylbenz[A]Anthracene	2.50E+02	Cal EPA	2.17E+01	1.30E-01	2.50E+02	1.61E+01	7.10E-02	Cal EPA	-	-	1.30E+05	9.24E+00
Benzo(a)anthracene	7.30E-01	NCEA	7.45E+03	1.30E-01	7.30E-01	5.50E+03	1.10E-04	Cal EPA	-	-	8.40E+07	3.16E+03
Benzo(b)fluoranthene	7.30E-01	NCEA	7.45E+03	1.30E-01	7.30E-01	5.50E+03	1.10E-04	Cal EPA	-	-	8.40E+07	3.16E+03
Benzo(k)fluoranthene	7.30E-02	NCEA	7.45E+04	1.30E-01	7.30E-02	5.50E+04	1.10E-04	Cal EPA	-	-	8.40E+07	3.16E+04
Benzo(a)pyrene	7.30E+00	IRIS	7.45E+02	1.30E-01	7.30E+00	5.50E+02	1.10E-03	Cal EPA	-	-	8.40E+06	3.16E+02
Biphenyl	8.00E-03	IRIS	6.80E+05	0.00E+00	8.00E-03	-	-	-	-	1.23E+05	-	6.80E+05
Chrysene	7.30E-03	NCEA	7.45E+05	1.30E-01	7.30E-03	5.50E+05	1.10E-05	Cal EPA	-	-	8.40E+08	3.16E+05
Dibenz(a,h)anthracene	7.30E+00	NCEA	7.45E+02	1.30E-01	7.30E+00	5.50E+02	1.20E-03	Cal EPA	-	-	7.70E+06	3.16E+02
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	7.45E+03	1.30E-01	7.30E-01	5.50E+03	1.10E-04	Cal EPA	-	-	8.40E+07	3.16E+03
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	9.97E+03	9.97E+03

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	2.49E+03
Cobalt	1.81E+03
Silver	3.11E+04
Thallium	6.21E+01
Vanadium	3.02E+04
3-Methylcholanthrene	1.21E+02
7,12-Dimethylbenz[A]Anthracene	9.24E+00
Benzo(a)anthracene	3.16E+03
Benzo(b)fluoranthene	3.16E+03
Benzo(k)fluoranthene	3.16E+04
Benzo(a)pyrene	3.16E+02
Biphenyl	3.82E+02
Chrysene	3.16E+05
Dibenz(a,h)anthracene	3.16E+02
Indeno(1,2,3-cd)pyrene	3.16E+03
Naphthalene	1.14E+03

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Remedial Level Calculations, 1 x 10⁻⁴ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors		
IFS = IF Soil Ingestion	noncancer	8.85E+06
	cancer	2.48E+07
IFD = IF, Soil Dermal	noncancer	2.80E+06
	cancer	7.85E+06
IFI = IF, Soil Inhalation	noncancer	1.10E+02
	cancer	3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
HQ = Target hazard quotient for noncancer effects	1
TR = Target cancer risk level	1.00E-04
RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
ABS = Dermal absorption factor	chem-spec
VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	-	IRIS	3.54E+03	0.00E+00	6.00E-05	-	-	-	-	-	3.54E+03
Cobalt	3.00E-04	-	PPRTV	2.65E+03	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	8.94E+05	2.65E+03
Silver	5.00E-03	-	IRIS	4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	4.42E+04
Thallium	1.00E-05	-	PPRTV Appendix	8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	8.85E+01
Vanadium	5.00E-03	-	See Comment	4.42E+04	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	1.49E+07	4.41E+04
Biphenyl	5.00E-01	-	IRIS	4.42E+06	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	5.38E+03
Naphthalene	2.00E-02	-	IRIS	1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	IRIS	4.99E+04	1.64E+04	1.45E+04

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	4.63E+06	4.63E+06
3-Methylcholanthrene	2.20E+01	-	Cal EPA	1.13E+02	1.00E-01	2.20E+01	3.57E+02	6.30E-03	Cal EPA	-	6.62E+06	8.56E+01
7,12-Dimethylbenz[A]Anthracene	2.50E+02	-	Cal EPA	9.91E+00	1.30E-01	2.50E+02	2.42E+01	7.10E-02	Cal EPA	-	5.87E+05	7.03E+00
Benzo(a)anthracene	7.30E-01	-	NCEA	3.39E+03	1.30E-01	7.30E-01	8.28E+03	1.10E-04	Cal EPA	-	3.79E+08	2.41E+03
Benzo(b)fluoranthene	7.30E-01	-	NCEA	3.39E+03	1.30E-01	7.30E-01	8.28E+03	1.10E-04	Cal EPA	-	3.79E+08	2.41E+03
Benzo(k)fluoranthene	7.30E-02	-	NCEA	3.39E+04	1.30E-01	7.30E-02	8.28E+04	1.10E-04	Cal EPA	-	3.79E+08	2.41E+04
Benzo(a)pyrene	7.30E+00	-	IRIS	3.39E+02	1.30E-01	7.30E+00	8.28E+02	1.10E-03	Cal EPA	-	3.79E+07	2.41E+02
Biphenyl	8.00E-03	-	IRIS	3.10E+05	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	3.10E+05
Chrysene	7.30E-03	-	NCEA	3.39E+05	1.30E-01	7.30E-03	8.28E+05	1.10E-05	Cal EPA	-	3.79E+09	2.41E+05
Dibenz(a,h)anthracene	7.30E+00	-	NCEA	3.39E+02	1.30E-01	7.30E+00	8.28E+02	1.20E-03	Cal EPA	-	3.47E+07	2.41E+02
Indeno(1,2,3-cd)pyrene	7.30E-01	-	NCEA	3.39E+03	1.30E-01	7.30E-01	8.28E+03	1.10E-04	Cal EPA	-	3.79E+08	2.41E+03
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+04	4.50E+04

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	3.54E+03
Cobalt	2.65E+03
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
3-Methylcholanthrene	8.56E+01
7,12-Dimethylbenz[A]Anthracene	7.03E+00
Benzo(a)anthracene	2.41E+03
Benzo(b)fluoranthene	2.41E+03
Benzo(k)fluoranthene	2.41E+04
Benzo(a)pyrene	2.41E+02
Biphenyl	5.38E+03
Chrysene	2.41E+05
Dibenz(a,h)anthracene	2.41E+02
Indeno(1,2,3-cd)pyrene	2.41E+03
Naphthalene	1.45E+04

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations, 1 x10-4 Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
 $RLn = HQ \times IFSn \times RfDo$
 $RLc = TR \times IFSc / SFo$
Where:

Soil Dermal Absorption
 $RLn = HQ \times IFDn \times RfDd / (ABS)$
 $RLc = TR \times IFDc / (SfD \times ABS)$

Soil Inhalation
 $RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$
 $RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway
 $RL = \frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$

IF = Intake Factors
IFS = IF Soil Ingestion
IFD = IF, Soil Dermal
IFI = IF, Soil Inhalation

noncancer	8.85E+06
cancer	2.48E+07
noncancer	2.80E+06
cancer	7.85E+06
noncancer	1.10E+02
cancer	3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg) Calculated
RBCc = Risk-based concentration for carcinogens (mg/kg) Calculated
HQ = Target hazard quotient for noncancer effects 1
TR = Target cancer risk level 1.00E-04
RfDo = Oral Reference Dose, mg/kgBW-day chem-spec
RfDd = Dermal Reference Dose, mg/kgBW-day chem-spec
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹ chem-spec
RfC = Inhalation Reference Concentration (mg/m³) chem-spec
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹ chem-spec
ABS = Dermal absorption factor chem-spec
VF = Soil to Air Volatilization Factor, m³/kg chem-spec
PEF = Particulate Emission Factor, m³/kg 1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	IRIS	3.54E+03	0.00E+00	6.00E+00	6.00E-05	-	-	-	-	-	3.54E+03
Arsenic	3.00E-04	IRIS	4.42E+03	3.00E-02	3.00E-04	2.80E+04	1.50E-05	Cal EPA	-	2.23E+06	3.81E+03	
Cobalt	3.00E-04	PPRTV	2.65E+03	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	8.94E+05	2.65E+03	
Nickel	2.00E-02	IRIS	1.77E+05	0.00E+00	8.00E-04	-	9.00E-05	ATSDR	-	1.34E+07	1.75E+05	
Silver	5.00E-03	IRIS	4.42E+04	0.00E+00	2.00E-04	-	-	-	-	-	4.42E+04	
Thallium	1.00E-05	PPRTV Appendix	8.85E+01	0.00E+00	1.00E-05	-	-	-	-	-	8.85E+01	
Vanadium	5.00E-03	See Comment	4.42E+04	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	1.49E+07	4.41E+04	
Zinc	3.00E-01	IRIS	2.65E+06	0.00E+00	3.00E-01	-	-	-	-	-	2.65E+06	
1,1,2,2-Tetrachloroethane	2.00E-02	IRIS	1.77E+05	0.00E+00	2.00E-02	-	-	-	1.63E+04	-	1.77E+05	
1,1,2-Trichloroethane	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	2.00E-04	PPRTV Appendix	7.77E+03	1.70E+02	1.69E+02	
1,2-Dichloroethane	6.00E-03	PPRTV Appendix	5.31E+04	0.00E+00	6.00E-03	-	7.00E-03	PPRTV	4.92E+03	3.77E+03	3.52E+03	
1-Methylnaphthalene	7.00E-02	ATSDR	6.19E+05	1.30E-01	7.00E-02	1.51E+06	-	-	6.31E+04	-	4.39E+05	
2-Methylnaphthalene	4.00E-03	IRIS	3.54E+04	1.30E-01	4.00E-03	8.63E+04	-	-	6.24E+04	-	2.51E+04	
Benzene	4.00E-03	IRIS	3.54E+04	0.00E+00	4.00E-03	-	3.00E-02	IRIS	3.81E+03	1.25E+04	9.25E+03	
Biphenyl	5.00E-01	IRIS	4.42E+06	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	5.39E+03	5.38E+03	
cis-1,2-Dichloroethene	2.00E-03	IRIS	1.77E+04	0.00E+00	2.00E-03	-	-	-	2.69E+03	-	1.77E+04	
Dibenzofuran	1.00E-03	PPRTV Appendix	8.85E+03	0.00E+00	1.00E-03	-	-	-	-	-	8.85E+03	
Diphenyl Ether	3.00E-01	DuPont	2.65E+06	0.00E+00	3.00E-01	-	3.50E-01	DuPont	8.86E+04	3.40E+06	1.49E+06	
Ethylbenzene	1.00E-01	IRIS	8.85E+05	0.00E+00	1.00E-01	-	1.00E+00	IRIS	6.10E+03	6.68E+05	3.81E+05	
Naphthalene	2.00E-02	IRIS	1.77E+05	1.30E-01	2.00E-02	4.32E+05	3.00E-03	IRIS	4.99E+04	1.64E+04	1.45E+04	
Tetrachloroethylene	6.00E-03	IRIS	5.31E+04	0.00E+00	6.00E-03	-	4.00E-02	IRIS	2.53E+03	1.11E+04	9.17E+03	
Trichloroethene	5.00E-04	IRIS	4.42E+03	0.00E+00	5.00E-04	-	2.00E-03	IRIS	2.38E+03	5.21E+02	4.66E+02	

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	SFo	Source	RLc	ABS	SfD	RLc	URF	Source		VF
Arsenic	1.50E+00	IRIS	2.75E+03	3.00E-02	1.50E+00	1.75E+04	4.30E-03	IRIS	-	9.70E+06	2.38E+03
Cobalt	-	-	-	0.00E+00	-	-	9.00E-03	PPRTV	-	4.63E+06	4.63E+06
Nickel	-	-	-	0.00E+00	-	-	2.60E-04	Cal EPA	-	1.60E+08	1.60E+08
1,1,2,2-Tetrachloroethane	2.00E-01	IRIS	1.24E+04	0.00E+00	2.00E-01	-	5.80E-05	Cal EPA	1.63E+04	8.62E+03	5.08E+03
1,1,2-Trichloroethane	5.70E-02	IRIS	4.35E+04	0.00E+00	5.70E-02	-	1.60E-05	IRIS	7.77E+03	1.49E+04	1.11E+04
1,2-Dichloroethane	9.10E-02	IRIS	2.72E+04	0.00E+00	9.10E-02	-	2.60E-05	IRIS	4.92E+03	5.80E+03	4.78E+03
1,2-Diphenylhydrazine	8.00E-01	IRIS	3.10E+03	1.00E-01	8.00E-01	9.82E+03	2.20E-04	IRIS	-	1.90E+08	2.35E+03
1-Methylnaphthalene	2.90E-02	PPRTV	8.54E+04	1.30E-01	2.90E-02	2.08E+05	-	-	6.31E+04	-	6.06E+04
Benzene	5.50E-02	IRIS	4.50E+04	0.00E+00	5.50E-02	-	7.80E-06	IRIS	3.81E+03	1.50E+04	1.12E+04
Benzo(a)anthracene	7.30E-01	NCEA	3.39E+03	1.30E-01	7.30E-01	8.28E+03	1.10E-04	Cal EPA	-	3.79E+08	2.41E+03
Benzo(b)fluoranthene	7.30E-01	NCEA	3.39E+03	1.30E-01	7.30E-01	8.28E+03	1.10E-04	Cal EPA	-	3.79E+08	2.41E+03
Benzo(a)pyrene	7.30E+00	IRIS	3.39E+02	1.30E-01	7.30E+00	8.28E+02	1.10E-03	Cal EPA	-	3.79E+07	2.41E+02
Biphenyl	8.00E-03	IRIS	3.10E+05	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	3.10E+05
Ethylbenzene	1.10E-02	Cal EPA	2.25E+05	0.00E+00	1.10E-02	-	2.50E-06	Cal EPA	6.10E+03	7.48E+04	5.62E+04
Naphthalene	-	-	-	1.30E-01	-	-	3.40E-05	Cal EPA	4.99E+04	4.50E+04	4.50E+04
Tetrachloroethylene	2.10E-03	IRIS	1.18E+06	0.00E+00	2.10E-03	-	2.60E-07	IRIS	2.53E+03	2.98E+05	2.38E+05
Trichloroethene	4.60E-02	IRIS	5.39E+04	0.00E+00	4.60E-02	-	4.10E-06	IRIS	2.38E+03	1.78E+04	1.34E+04

Attachment C
Utility Worker Subsurface Soil Remedial Level Calculations, 1 x10⁻⁴ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Lower of the RLn and RL

Constituent	RL (mg/kg)
Antimony	3.54E+03
Arsenic	2.38E+03
Cobalt	2.65E+03
Nickel	1.75E+05
Silver	4.42E+04
Thallium	8.85E+01
Vanadium	4.41E+04
Zinc	2.65E+06
1,1,2,2-Tetrachloroethane	5.08E+03
1,1,2-Trichloroethane	1.69E+02
1,2-Dichloroethane	3.52E+03
1,2-Diphenylhydrazine	2.35E+03
1-Methylnaphthalene	6.06E+04
2-Methylnaphthalene	2.51E+04
Benzene	9.25E+03
Benzo(a)anthracene	2.41E+03
Benzo(b)fluoranthene	2.41E+03
Benzo(a)pyrene	2.41E+02
Biphenyl	5.38E+03
cis-1,2-Dichloroethene	1.77E+04
Dibenzofuran	8.85E+03
Diphenyl Ether	1.49E+06
Ethylbenzene	5.62E+04
Naphthalene	1.45E+04
Tetrachloroethylene	9.17E+03
Trichloroethene	4.66E+02

Arsenic soil ingestion has been adjusted using a relative bioavailability factor of 0.6
Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Attachment C
Trail User Remedial Level Calculations, 1 x 10⁻⁴ Risk Target
Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion RLn = HQ x IFSn x RfDo RLc = TR x IFSc / SFo Where:	Soil Dermal Absorption RLn = HQ x IFDn x RfDd/(ABS) RLc = TR x IFDc / (SFd x ABS)	Soil Inhalation RLn = HQ x IFIn x RfC / (1/VF + 1/PEF) RLc = TR x IFIc / URF x (1/VF + 1/PEF)	Multiple Pathway RL = $\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$
IF = Intake Factors		RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
IFS = IF Soil Ingestion	noncancer 1.01E+06 cancer 9.01E+06 mutagen 1.99E+06	RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
		HQ = Target hazard quotient for noncancer effects	1
		TR = Target cancer risk level	1.00E-04
IFD = IF, Soil Dermal	noncancer 3.77E+05 cancer 2.95E+06 mutagen 6.96E+05	RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
		RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
		SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
IFI = IF, Soil Inhalation	noncancer 4.06E+01 cancer 1.09E-01 mutagen 3.74E-02	RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
		URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
		ABS = Dermal absorption factor	chem-spec
		VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
		PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF	RLn
Antimony	4.00E-04	-	IRIS	4.06E+02	0.00E+00	6.00E+00	-	-	-	-	-	4.06E+02
Cobalt	3.00E-04	-	PPRTV	3.04E+02	0.00E+00	3.00E-04	-	6.00E-06	PPRTV	-	3.31E+05	3.04E+02
Silver	5.00E-03	-	IRIS	5.07E+03	0.00E+00	2.00E-04	-	-	-	-	-	5.07E+03
Thallium	1.00E-05	-	PPRTV Appendix	1.01E+01	0.00E+00	1.00E-05	-	-	-	-	-	1.01E+01
Vanadium	5.00E-03	-	See Comment	5.07E+03	0.00E+00	1.30E-04	-	1.00E-04	ATSDR	-	5.52E+06	5.06E+03
Biphenyl	5.00E-01	-	IRIS	5.07E+05	0.00E+00	5.00E-01	-	4.00E-04	PPRTV Appendix	1.23E+05	2.00E+03	1.99E+03
Naphthalene	2.00E-02	-	IRIS	2.03E+04	1.30E-01	2.00E-02	5.80E+04	3.00E-03	IRIS	4.99E+04	6.07E+03	4.32E+03

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway		
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF	RLc
Cobalt	-	-	-	0.00E+00	-	-	-	9.00E-03	PPRTV	-	1.65E+06	1.65E+06
3-Methylcholanthrene	2.20E+01	-	Cal EPA	9.02E+00	1.00E-01	2.20E+01	3.17E+01	6.30E-03	Cal EPA	-	8.06E+05	7.02E+00
7,12-Dimethylbenz[A]Anthracene	2.50E+02	-	Cal EPA	7.94E-01	1.30E-01	2.50E+02	2.14E+00	7.10E-02	Cal EPA	-	7.16E+04	5.79E-01
Benzo(a)anthracene	7.30E-01	-	NCEA	2.72E+02	1.30E-01	7.30E-01	7.34E+02	1.10E-04	Cal EPA	-	4.62E+07	1.98E+02
Benzo(b)fluoranthene	7.30E-01	-	NCEA	2.72E+02	1.30E-01	7.30E-01	7.34E+02	1.10E-04	Cal EPA	-	4.62E+07	1.98E+02
Benzo(k)fluoranthene	7.30E-02	-	NCEA	2.72E+03	1.30E-01	7.30E-02	7.34E+03	1.10E-04	Cal EPA	-	4.62E+07	1.98E+03
Benzo(a)pyrene	7.30E+00	-	IRIS	2.72E+01	1.30E-01	7.30E+00	7.34E+01	1.10E-03	Cal EPA	-	4.62E+06	1.98E+01
Biphenyl	8.00E-03	-	IRIS	1.13E+05	0.00E+00	8.00E-03	-	-	-	1.23E+05	-	1.13E+05
Chrysene	7.30E-03	-	NCEA	2.72E+04	1.30E-01	7.30E-03	7.34E+04	1.10E-05	Cal EPA	-	4.62E+08	1.98E+04
Dibenz(a,h)anthracene	7.30E+00	-	NCEA	2.72E+01	1.30E-01	7.30E+00	7.34E+01	1.20E-03	Cal EPA	-	4.23E+06	1.98E+01
Indeno(1,2,3-cd)pyrene	7.30E-01	-	NCEA	2.72E+02	1.30E-01	7.30E-01	7.34E+02	1.10E-04	Cal EPA	-	4.62E+07	1.98E+02
Naphthalene	-	-	-	1.30E-01	-	-	-	3.40E-05	Cal EPA	4.99E+04	1.60E+04	1.60E+04

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Antimony	4.06E+02
Cobalt	3.04E+02
Silver	5.07E+03
Thallium	1.01E+01
Vanadium	5.06E+03
3-Methylcholanthrene	7.02E+00
7,12-Dimethylbenz[A]Anthracene	5.79E-01
Benzo(a)anthracene	1.98E+02
Benzo(b)fluoranthene	1.98E+02
Benzo(k)fluoranthene	1.98E+03
Benzo(a)pyrene	1.98E+01
Biphenyl	1.99E+03
Chrysene	1.98E+04
Dibenz(a,h)anthracene	1.98E+01
Indeno(1,2,3-cd)pyrene	1.98E+02
Naphthalene	4.32E+03

Vanadium RfD is based on the RfD for vanadium pentoxide adjusted as described in the EPA Regional Screening Level Table User's Guide.

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

**APPENDIX D
INCREMENTAL SAMPLING METHODOLOGY
STATISTICAL CALCULATIONS**

Parameter Name	Location ID					DU-1A			DU-1B			DU-1C			DU-1										
	Date Sampled					11/05/2014			11/07/2014			11/10/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments					31			31			31									Student's T	Chebyshev			
	Preliminary Soil Remediation Goal (PSRG)					Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL			
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL				
Acenaphthene	680,000	6,600,000	--	--	UG/KG	6	Y	J	2	N	2	N	2	N	3.3	2.3	12.9	3.9	1.3	High	7.2	9.1	100.0	0.0	9.1
Acenaphthylene	NA	NA	--	--	UG/KG	8	Y	J	7	Y	2	N	2	N	5.7	3.2	17.9	3.2	1.9	High	11.1	13.8	13.3	111.1	13.8
Anthracene	3,400,000	34,000,000	--	--	UG/KG	9	Y	J	5	Y	6	Y	J	6.7	2.1	11.6	1.7	1.2	Medium	10.2	11.9	57.1	-18.2	11.9	
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	27	Y		25	Y	25	Y		25.7	1.2	6.4	0.3	0.7	Low	27.6	28.6	7.7	0.0	27.6	
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	37	Y		41	Y	39	Y		39.0	2.0	11.1	0.3	1.2	Low	42.4	44.0	-10.3	5.0	42.4	
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	27	Y		19	Y	20	Y		22.0	4.4	24.3	1.1	2.5	Low	29.3	33.0	34.8	-5.1	29.3	
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	14	Y	J	15	Y	15	Y	J	14.7	0.6	3.2	0.2	0.3	Low	15.6	16.1	-6.9	0.0	15.6	
Benzo(A)Pyrene	15	210	--	--	UG/KG	21	Y		23	Y	26	Y		23.3	2.5	14.0	0.6	1.5	Low	27.6	29.7	-9.1	-12.2	27.6	
Chrysene	15,000	210,000	--	--	UG/KG	30	Y		33	Y	29	Y		30.7	2.1	11.6	0.4	1.2	Low	34.2	35.9	-9.5	12.9	34.2	
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	7	Y	J	8	Y	9	Y	J	8.0	1.0	5.6	0.7	0.6	Low	9.7	10.5	-13.3	-11.8	9.7	
Fluoranthene	460,000	4,400,000	--	--	UG/KG	46	Y		51	Y	42	Y		46.3	4.5	25.1	0.5	2.6	Low	53.9	57.7	-10.3	19.4	53.9	
Fluorene	460,000	4,400,000	--	--	UG/KG	2	N		2	N	4	Y	J	2.7	1.2	6.4	2.4	0.7	Medium	4.6	5.6	0.0	-66.7	5.6	
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	19	Y	J	13	Y	15	Y	J	15.7	3.1	17.0	1.1	1.8	Low	20.8	23.4	37.5	-14.3	20.8	
Naphthalene	3,600	18,000	--	873,000	UG/KG	2	N		2	N	7	Y	J	3.7	2.9	16.1	4.4	1.7	High	8.5	10.9	0.0	-111.1	10.9	
Phenanthrene	--	--	--	--	UG/KG	28	Y		27	Y	30	Y		28.3	1.5	8.5	0.3	0.9	Low	30.9	32.2	3.6	-10.5	30.9	
Pyrene	340,000	3,400,000	--	--	UG/KG	44	Y		49	Y	38	Y		43.7	5.5	30.7	0.7	3.2	Low	53.0	57.5	-10.8	25.3	53.0	
Arsenic	0.61	2.4	4.81	--	MG/KG	1.67	Y		2.02	Y	1.9	Y		1.9	0.2	1.0	0.5	0.1	Low	2.2	2.3	-19.0	6.1	2.2	
Barium	3,000	38,000	133	--	MG/KG	36.2	Y		29.6	Y	30.6	Y		32.1	3.6	19.8	0.6	2.1	Low	38.1	41.1	20.1	-3.3	38.1	
Beryllium	32	400	2.7	--	MG/KG	1.01	Y	J	0.787	Y	0.832	Y	J	0.9	0.1	0.7	0.7	0.1	Low	1.1	1.2	24.8	-5.6	1.1	
Chromium	24,000	100,000	5.16	--	MG/KG	5.17	Y		5.54	Y	5.98	Y		5.6	0.4	2.3	0.4	0.2	Low	6.2	6.6	-6.9	-7.6	6.2	
Cobalt	4.6	60	14.7	304	MG/KG	1.9	Y		1.77	Y	1.9	Y		1.9	0.1	0.4	0.2	0.0	Low	2.0	2.0	7.1	-7.1	2.0	
Copper	620	8,200	3.72	--	MG/KG	4.74	Y		4.95	Y	4.35	Y		4.7	0.3	1.7	0.4	0.2	Low	5.2	5.4	-4.3	12.9	5.2	
Lead	400	800	20.5	--	MG/KG	14.3	Y		14.5	Y	12.2	Y		13.7	1.3	7.1	0.5	0.7	Low	15.8	16.9	-1.4	17.2	15.8	
Mercury	2	3.1	0.0215	--	MG/KG	0.0219	Y	J	0.0282	Y	0.0266	Y	J	0.0256	0.0033	0.0182	0.7131	0.0019	Low	0.0311	0.0338	-25.1	5.8	0.0311	
Nickel	300	4,000	5.54	--	MG/KG	12	Y	J	14.6	Y	12.1	Y	J	12.9	1.5	8.2	0.6	0.9	Low	15.4	16.6	-19.5	18.7	15.4	
Selenium	78	1,000	--	--	MG/KG	0.234	Y	J	0.328	Y	0.345	Y	J	0.3	0.1	0.3	1.1	0.0	Low	0.4	0.5	-33.5	-5.1	0.4	
Thallium	0.16	2	DL	10.1	MG/KG	0.22	Y	J	0.223	Y	0.196	Y	J	0.2	0.0	0.1	0.4	0.0	Low	0.2	0.3	-1.4	12.9	0.2	
Tin	9,400	100,000	DL	--	MG/KG	2.55	Y	B	2.5	Y	2.43	Y	B	2.5	0.1	0.3	0.1	0.0	Low	2.6	2.6	2.0	2.8	2.6	
Vanadium	78	1,000	22.8	5,070	MG/KG	14.1	Y		15.5	Y	16.1	Y		15.2	1.0	5.7	0.4	0.6	Low	17.0	17.8	-9.5	-3.8	17.0	
Zinc	4,600	62,000	49	--	MG/KG	25.9	Y		25.8	Y	24.4	Y		25.4	0.8	4.7	0.2	0.5	Low	26.8	27.5	0.4	5.6	26.8	

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residential PSRG & Background
- Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID					DU-2A			DU-2B			DU-2C			DU-2										
	Date Sampled					11/12/2014			11/13/2014			11/18/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments					49			49			49									Student's T	Chebyshev			
	Preliminary Soil Remediation Goal (PSRG)					Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion										
Xylenes	130,000	260,000	--	--	UG/KG	29.5	N		150	Y	J	32.5	N		70.7	68.7	481.0	6.8	39.7	High	186.5	243.6	-134.3	128.8	243.6
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	12	Y	J	2	N		7	Y	J	7.0	5.0	35.0	5.0	2.9	High	15.4	19.6	142.9	-111.1	19.6
Acenaphthene	680,000	6,600,000	--	--	UG/KG	62	Y	J	10	Y	J	58	Y		43.3	28.9	202.6	4.7	16.7	High	92.1	116.2	144.4	-141.2	116.2
Acenaphthylene	NA	NA	--	--	UG/KG	17	Y	J	2	N		14	Y	J	11.0	7.9	55.6	5.1	4.6	High	24.4	31.0	157.9	-150.0	31.0
Anthracene	3,400,000	34,000,000	--	--	UG/KG	190	Y		32	Y		230	Y		150.7	104.7	732.9	4.9	60.4	High	327.2	414.1	142.3	-151.1	414.1
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	620	Y		110	Y		690	Y		473.3	316.6	2216.2	4.7	182.8	High	1007.1	1270.1	139.7	-145.0	1,270.1
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	780	Y		120	Y		840	Y		580.0	399.5	2796.5	4.8	230.7	High	1253.5	1585.4	146.7	-150.0	1,585.4
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	410	Y		80	Y		390	Y		293.3	185.0	1295.2	4.4	106.8	High	605.3	759.0	134.7	-131.9	759.0
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	260	Y		64	Y		320	Y		214.7	133.9	937.2	4.4	77.3	High	440.4	551.6	121.0	-133.3	551.6
Benzo(A)Pyrene	15	210	--	--	UG/KG	610	Y		110	Y		640	Y		453.3	297.7	2084.0	4.6	171.9	High	955.2	1202.6	138.9	-141.3	1,202.6
Chrysene	15,000	210,000	--	--	UG/KG	590	Y		110	Y		660	Y		453.3	299.4	2095.7	4.6	172.9	High	958.1	1206.8	137.1	-142.9	1,206.8
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	85	Y		22	Y		86	Y		64.3	36.7	256.7	4.0	21.2	High	126.1	156.6	117.8	-118.5	156.6
Dibenzofuran	16,000	170,000	--	--	UG/KG	29	Y	J	9.5	N		33	Y	J	23.8	12.6	88.0	3.7	7.3	High	45.0	55.5	101.3	-110.6	55.5
Diphenyl Ether	--	--	--	--	UG/KG	9.5	N		21	Y	J	25	Y	J	18.5	8.0	56.3	3.0	4.6	High	32.1	38.8	-75.4	-17.4	38.8
Fluoranthene	460,000	4,400,000	--	--	UG/KG	1200	Y		210	Y		1400	Y		936.7	637.2	4460.5	4.8	367.9	High	2010.9	2540.3	140.4	-147.8	2,540.3
Fluorene	460,000	4,400,000	--	--	UG/KG	70	Y	J	12	Y	J	57	Y		46.3	30.4	213.1	4.6	17.6	High	97.6	122.9	141.5	-130.4	122.9
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	350	Y		68	Y		390	Y		269.3	175.5	1228.5	4.6	101.3	High	565.2	711.0	134.9	-140.6	711.0
Naphthalene	3,600	18,000	--	873,000	UG/KG	28	Y	J	10	Y	J	8	Y	J	15.3	11.0	77.1	5.0	6.4	High	33.9	43.1	94.7	22.2	43.1
Phenanthrene	--	--	--	--	UG/KG	660	Y		120	Y		850	Y		543.3	378.7	2651.1	4.9	218.7	High	1181.8	1496.4	138.5	-150.5	1,496.4
Pyrene	340,000	3,400,000	--	--	UG/KG	1000	Y		180	Y		1200	Y		793.3	540.5	3783.5	4.8	312.1	High	1704.5	2153.5	139.0	-147.8	2,153.5
PCB 1254	1,000	1,000	--	--	UG/KG	20	Y		9.5	N		1.95	N		10.5	9.1	63.5	6.1	5.2	High	25.8	33.3	71.2	131.9	33.3
Antimony	6.2	82	DL	406	MG/KG	0.191	Y	J	0.107	Y	J	0.149	Y	J	0.1	0.0	0.3	2.0	0.0	Medium	0.2	0.3	56.4	-32.8	0.3
Arsenic	0.61	2.4	4.81	--	MG/KG	1.51	Y		1.53	Y		1.85	Y		1.6	0.2	1.3	0.8	0.1	Low	2.0	2.1	-1.3	-18.9	2.0
Barium	3,000	38,000	133	--	MG/KG	55	Y		60.8	Y		65.1	Y	J	60.3	5.1	35.5	0.6	2.9	Low	68.8	73.1	-10.0	-6.8	68.8
Beryllium	32	400	2.7	--	MG/KG	1.04	Y	J	1.09	Y	J	1.24	Y		1.1	0.1	0.7	0.6	0.1	Low	1.3	1.4	-4.7	-12.9	1.3
Cadmium	14	160	DL	--	MG/KG	0.0181	N		0.0183	N		0.207	Y	J	0.1	0.1	0.8	9.4	0.1	High	0.3	0.4	-1.1	-167.5	0.4
Chromium	24,000	100,000	5.16	--	MG/KG	6.14	Y		6.74	Y		11	Y	J	8.0	2.6	18.5	2.3	1.5	Medium	12.4	14.6	-9.3	-48.0	14.6
Cobalt	4.6	60	14.7	304	MG/KG	3.56	Y		3.62	Y		3.81	Y		3.7	0.1	0.9	0.2	0.1	Low	3.9	4.0	-1.7	-5.1	3.9
Copper	620	8,200	3.72	--	MG/KG	7.64	Y		6.66	Y		6.89	Y		7.1	0.5	3.6	0.5	0.3	Low	7.9	8.4	13.7	-3.4	7.9
Lead	400	800	20.5	--	MG/KG	14.6	Y		14.7	Y		13.7	Y		14.3	0.6	3.9	0.3	0.3	Low	15.3	15.7	-0.7	7.0	15.3
Mercury	2	3.1	0.0215	--	MG/KG	0.0211	Y	J	0.0162	Y	J	0.0204	Y	J	0.0192	0.0027	0.0186	0.9645	0.0015	Low	0.0237	0.0259	26.3	-23.0	0.0237
Nickel	300	4,000	5.54	--	MG/KG	21.1	Y	J	32.9	Y	J	22	Y	J	25.3	6.6	46.0	1.8	3.8	Medium	36.4	41.9	-43.7	39.7	41.9
Selenium	78	1,000	--	--	MG/KG	0.209	Y	J	0.198	Y	J	0.057	N		0.2	0.1	0.6	3.8	0.0	High	0.3	0.4	5.4	110.6	0.4
Silver	78	1,000	DL	5,070	MG/KG	4.85	Y		1.17	Y		3.39	Y	J	3.1	1.9	13.0	4.1	1.1	High	6.3	7.8	122.3	-97.4	7.8
Thallium	0.16	2	DL	10.1	MG/KG	0.295	Y		0.299	Y		0.308	Y		0.3	0.0	0.0	0.2	0.0	Low	0.3	0.3	-1.3	-3.0	0.3
Tin	9,400	100,000	DL	--	MG/KG	2.44	Y	B	2.4	Y	B	2.9	Y	B	2.6	0.3	1.9	0.8	0.2	Low	3.0	3.3	1.7	-18.9	3.0
Vanadium	78	1,000	22.8	507	MG/KG	18	Y		19.1	Y		20.9	Y		19.3	1.5	10.2	0.5	0.8	Low	21.8	23.0	-5.9	-9.0	21.8
Zinc	4,600	62,000	49	--	MG/KG	41.5	Y		37.2	Y		42.4	Y	J	40.4	2.8	19.5	0.5	1.6	Low	45.1	47.4	10.9	-13.1	45.1

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residential PSRG & Background
- Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID					DU-3A			DU-3B			DU-3C			DU-3										
	Date Sampled					11/19/2014			11/19/2014			11/20/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments					23			23			23		Student's T							Chebyshev				
	Preliminary Soil Remediation Goal (PSRG)					Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Residential Health Based	Industrial Based	Site Specic Background	Site Specific RL for Surface Soil	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL							
Trichlorofluoromethane	160,000	680,000	--	--	UG/KG	200	Y	J	210	Y	J	100	Y	J	170.0	60.8	291.7	1.7	35.1	Medium	272.5	323.1	-4.9	71.0	323.1
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	41	Y		52	Y		52	Y		48.3	6.4	30.5	0.6	3.7	Low	59.0	64.3	-23.7	0.0	59.0
Acenaphthene	680,000	6,600,000	--	--	UG/KG	200	Y		260	Y		310	Y		256.7	55.1	264.1	1.0	31.8	Low	349.5	395.3	-26.1	-17.5	349.5
Acenaphthylene	NA	NA	--	--	UG/KG	110	Y		230	Y		71	Y		137.0	82.9	397.4	2.9	47.8	Medium	276.7	345.5	-70.6	105.6	345.5
Anthracene	3,400,000	34,000,000	--	--	UG/KG	540	Y		870	Y		740	Y		716.7	166.2	797.2	1.1	96.0	Low	996.9	1135.0	-46.8	16.1	996.9
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	2100	Y		2700	Y		2000	Y		2266.7	378.6	1815.7	0.8	218.6	Low	2904.9	3219.4	-25.0	29.8	2,904.9
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	2400	Y		3400	Y		2500	Y		2766.7	550.8	2641.3	1.0	318.0	Low	3695.2	4152.7	-34.5	30.5	3,695.2
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	1200	Y		1600	Y		920	Y		1240.0	341.8	1639.0	1.3	197.3	Low	1816.2	2100.1	-28.6	54.0	1,816.2
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	900	Y		1300	Y		790	Y		996.7	268.4	1287.2	1.3	155.0	Low	1449.1	1672.1	-36.4	48.8	1,449.1
Benzo(A)Pyrene	15	210	--	--	UG/KG	1800	Y		2500	Y		1700	Y		2000.0	435.9	2090.5	1.0	251.7	Low	2734.8	3097.0	-32.6	38.1	2,734.8
Biphenyl	10,000	42,000	--	299,000	UG/KG	26	Y	J	81	Y	J	29	Y	J	45.3	30.9	148.3	3.3	17.9	High	97.5	123.2	-102.8	94.5	123.2
Bis(2-Ethylhexyl)Phthalate	35,000	120,000	--	--	UG/KG	170	Y	J	180	Y	J	110	Y	J	153.3	37.9	181.6	1.2	21.9	Low	217.2	248.6	-5.7	48.3	217.2
Chrysene	15,000	210,000	--	--	UG/KG	1800	Y		2600	Y		1900	Y		2100.0	435.9	2090.5	1.0	251.7	Low	2834.8	3197.0	-36.4	31.1	2,834.8
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	270	Y		390	Y		290	Y		316.7	64.3	308.3	1.0	37.1	Low	425.1	478.5	-36.4	29.4	425.1
Dibenzofuran	16,000	170,000	--	--	UG/KG	91	Y		140	Y		160	Y		130.3	35.5	170.3	1.3	20.5	Low	190.2	219.7	-42.4	-13.3	190.2
Diphenyl Ether	--	--	--	--	UG/KG	60	Y		180	Y		40	Y		93.3	75.7	363.1	3.9	43.7	High	221.0	283.9	-100.0	127.3	283.9
Fluoranthene	460,000	4,400,000	--	--	UG/KG	3700	Y		5300	Y		4100	Y		4366.7	832.7	3993.3	0.9	480.7	Low	5770.4	6462.2	-35.6	25.5	5,770.4
Fluorene	460,000	4,400,000	--	--	UG/KG	210	Y		390	Y		350	Y		316.7	94.5	453.3	1.4	54.6	Low	476.0	554.5	-60.0	10.8	476.0
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	1000	Y		1500	Y		1000	Y		1166.7	288.7	1384.4	1.2	166.7	Low	1653.3	1893.1	-40.0	40.0	1,653.3
Naphthalene	3,600	18,000	--	873,000	UG/KG	120	Y		120	Y		120	Y		120.0	0.0	0.0	0.0	0.0	Low	120.0	120.0	0.0	0.0	120.0
Phenanthrene	--	--	--	--	UG/KG	1900	Y		3200	Y		2800	Y		2633.3	665.8	3193.2	1.2	384.4	Low	3755.8	4309.0	-51.0	13.3	3,755.8
Pyrene	3,600,000	36,000,000	--	--	UG/KG	3100	Y		4200	Y		3200	Y		3500.0	608.3	2917.2	0.8	351.2	Low	4525.5	5030.8	-30.1	27.0	4,525.5
PCB 1254	1,000	1,000	--	--	UG/KG	160	Y		190	Y		66	Y		138.7	64.7	310.3	2.2	37.4	Medium	247.7	301.5	-17.1	96.9	301.5
Antimony	6.2	82	DL	406	MG/KG	0.465	Y	J	0.812	Y	J	0.379	Y	J	0.6	0.2	1.1	2.0	0.1	Medium	0.9	1.1	-54.3	72.7	1.1
Arsenic	0.61	2.4	4.81	--	MG/KG	2.81	Y		2.33	Y		2.1	Y		2.4	0.4	1.7	0.7	0.2	Low	3.0	3.3	18.7	10.4	3.0
Barium	3,000	38,000	133	--	MG/KG	60.9	Y	J	54.5	Y	J	68.3	Y	J	61.2	6.9	33.1	0.5	4.0	Low	72.9	78.6	11.1	-22.5	72.9
Beryllium	32	400	2.7	--	MG/KG	1.25	Y	J	1.12	Y	J	0.922	Y	J	1.1	0.2	0.8	0.7	0.1	Low	1.4	1.5	11.0	19.4	1.4
Cadmium	14	160	DL	--	MG/KG	0.405	Y	J	0.4	Y	J	0.337	Y	J	0.4	0.0	0.2	0.5	0.0	Low	0.4	0.5	1.2	17.1	0.4
Chromium	24,000	100,000	5.16	--	MG/KG	9.54	Y	J	10.7	Y	J	9.93	Y	J	10.1	0.6	2.8	0.3	0.3	Low	11.1	11.5	-11.5	7.5	11.1
Cobalt	4.6	60	14.7	304	MG/KG	3.2	Y		3.27	Y		3.64	Y		3.4	0.2	1.1	0.3	0.1	Low	3.8	4.0	-2.2	-10.7	3.8
Copper	620	8,200	3.72	--	MG/KG	10	Y		13.4	Y		13	Y		12.1	1.9	8.9	0.7	1.1	Low	15.3	16.8	-29.1	3.0	15.3
Lead	400	800	20.5	--	MG/KG	22.2	Y		23.4	Y		18.2	Y		21.3	2.7	13.1	0.6	1.6	Low	25.9	28.1	-5.3	25.0	25.9
Mercury	2	3.1	0.0215	--	MG/KG	0.265	Y	J	0.0517	Y	J	0.106	Y	J	0.1	0.1	0.5	3.8	0.1	High	0.3	0.4	134.7	-68.9	0.4
Nickel	300	4,000	5.54	--	MG/KG	34.2	Y	J	21.9	Y	J	14.9	Y	J	23.7	9.8	46.9	2.0	5.6	Medium	40.1	48.3	43.9	38.0	48.3
Selenium	78	1,000	--	--	MG/KG	0.228	Y	J	0.21	Y	J	0.29	Y	J	0.2	0.0	0.2	0.8	0.0	Low	0.3	0.3	8.2	-32.0	0.313
Silver	78	1,000	DL	5,070	MG/KG	18.3	Y	J	10.9	Y	J	132	Y	J	53.7	67.9	325.5	6.1	39.2	High	168.2	224.6	50.7	-169.5	224.6
Thallium	0.16	2	DL	10.1	MG/KG	0.325	Y		0.281	Y		0.275	Y		0.294	0.027	0.131	0.446	0.016	Low	0.340	0.362	14.5	2.2	0.3
Tin	9,400	100,000	DL	--	MG/KG	2.85	Y	B	2.83	Y	B	2.58	Y	B	2.8	0.2	0.7	0.3	0.1	Low	3.0	3.1	0.7	9.2	3.0
Vanadium	78	1,000	22.8	507	MG/KG	23.4	Y		22.4	Y		24.9	Y		23.6	1.3	6.0	0.3	0.7	Low	25.7	26.7	4.4	-10.6	25.7
Zinc	4,600	62,000	49	--	MG/KG	85.6	Y	J	136	Y	J	135	Y	J	118.9	28.8	138.2	1.2	16.6	Low	167.4	191.4	-45.5	0.7	167.4

	Exceeds Residential PSRG
	Exceeds Industrial PSRG
	Exceeds Background
	Exceeds Residential PSRG & Background
	Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID					DU-4A			DU-4B			DU-4C			DU-4										
	Date Sampled					11/21/2014			12/04/2014			12/04/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments					47			47			47									Student's T	Chebyshev			
	Preliminary Soil Remediation Goal (PSRG)					Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL							
1,1-Dichloroethene	48,000	220,000	--	--	UG/KG	27.5	N		30	N		70	Y	J	42.5	23.8	163.5	3.8	13.8	High	82.7	102.5	-8.7	-80.0	102.5
Trichlorofluoromethane	160,000	680,000	--	--	UG/KG	480	Y		670	Y		680	Y		610.0	112.7	772.6	1.3	65.1	Low	800.0	893.6	-33.0	-1.5	800.0
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	21	Y		47	Y		19	Y		29.0	15.6	107.1	3.7	9.0	High	55.3	68.3	-76.5	84.8	68.3
Acenaphthene	680,000	6,600,000	--	--	UG/KG	60	Y		200	Y		80	Y		113.3	75.7	519.1	4.6	43.7	High	241.0	303.9	-107.7	85.7	303.9
Acenaphthylene	NA	NA	--	--	UG/KG	62	Y		72	Y		58	Y		64.0	7.2	49.4	0.8	4.2	Low	76.2	82.1	-14.9	21.5	76.2
Acetophenone	1,600,000	2,500,000	--	--	UG/KG	27	Y	J	20	Y	J	21	Y	J	22.7	3.8	26.0	1.1	2.2	Low	29.0	32.2	29.8	-4.9	29.0
Anthracene	3,400,000	34,000,000	--	--	UG/KG	230	Y		610	Y		280	Y		373.3	206.5	1415.5	3.8	119.2	High	721.4	893.0	-90.5	74.2	893.0
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	730	Y		1600	Y		770	Y		1033.3	491.2	3367.2	3.3	283.6	High	1861.3	2269.4	-74.7	70.0	2,269.4
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	860	Y		1800	Y		950	Y		1203.3	518.7	3555.9	3.0	299.5	Medium	2077.8	2508.7	-70.7	61.8	2,508.7
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	430	Y		950	Y		500	Y		626.7	282.2	1934.6	3.1	162.9	High	1102.4	1336.8	-75.4	62.1	1,336.8
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	290	Y		890	Y		370	Y		516.7	325.8	2233.4	4.3	188.1	High	1065.9	1336.5	-101.7	82.5	1,336.5
Benzo(A)Pyrene	15	210	--	--	UG/KG	640	Y		1400	Y		720	Y		920.0	417.6	2863.0	3.1	241.1	High	1624.0	1971.0	-74.5	64.2	1,971.0
Biphenyl	10,000	42,000	--	299,000	UG/KG	9.5	N		32	Y	J	9.5	N		17.0	13.0	89.1	5.2	7.5	High	38.9	49.7	-108.4	108.4	49.7
Bis(2-Ethylhexyl)Phthalate	35,000	120,000	--	--	UG/KG	38.5	N		78	Y	J	37.5	N		51.3	23.1	158.4	3.1	13.3	High	90.3	109.5	-67.8	70.1	109.5
Chrysene	15,000	210,000	--	--	UG/KG	700	Y		1300	Y		700	Y		900.0	346.4	2374.9	2.6	200.0	Medium	1484.0	1771.8	-60.0	60.0	1,771.8
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	98	Y		210	Y		110	Y		139.3	61.5	421.6	3.0	35.5	High	243.0	294.1	-72.7	62.5	294.1
Dibenzofuran	16,000	170,000	--	--	UG/KG	40	Y		110	Y		51	Y		67.0	37.6	258.1	3.9	21.7	High	130.5	161.7	-93.3	73.3	161.7
Dimethyl Phthalate	--	--	--	--	UG/KG	38.5	N		600	Y		99	Y	J	245.8	308.2	2112.9	8.6	177.9	High	765.4	1021.5	-175.9	143.3	1,021.5
Diphenyl Ether	--	--	--	--	UG/KG	21	Y	J	67	Y		9.5	N		32.5	30.4	208.6	6.4	17.6	High	83.8	109.1	-104.5	150.3	109.1
Fluoranthene	460,000	4,400,000	--	--	UG/KG	1600	Y		3100	Y		1600	Y		2100.0	866.0	5937.2	2.8	500.0	Medium	3560.0	4279.4	-63.8	63.8	4,279.4
Fluorene	460,000	4,400,000	--	--	UG/KG	100	Y		280	Y		130	Y		170.0	96.4	661.1	3.9	55.7	High	332.6	412.7	-94.7	73.2	412.7
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	390	Y		830	Y		470	Y		563.3	234.4	1606.8	2.9	135.3	Medium	958.5	1153.2	-72.1	55.4	1,153.2
Naphthalene	3,600	18,000	--	873,000	UG/KG	51	Y		110	Y		41	Y		67.3	37.3	255.6	3.8	21.5	High	130.2	161.2	-73.3	91.4	161.2
Phenanthrene	--	--	--	--	UG/KG	880	Y		2100	Y		1000	Y		1326.7	672.4	4609.8	3.5	388.2	High	2460.2	3018.9	-81.9	71.0	3,018.9
Pyrene	340,000	3,400,000	--	--	UG/KG	1100	Y		2500	Y		1200	Y		1600.0	781.0	5354.4	3.3	450.9	High	2916.7	3565.5	-77.8	70.3	3,565.5
PCB 1254	1,000	1,000	--	--	UG/KG	29	Y		34	Y		22	Y		28.3	6.0	41.3	1.5	3.5	Low	38.5	43.5	-15.9	42.9	38.5
PCB 1260	1,000	1,000	--	--	UG/KG	2.75	N		2.75	N		12	Y	J	5.8	5.3	36.6	6.3	3.1	High	14.8	19.3	0.0	-125.4	19.3
Antimony	6.2	82	DL	406	MG/KG	0.281	Y	J	0.618	Y		0.413	Y	J	0.44	0.17	1.16	2.7	0.10	Medium	0.72	0.86	-75.0	39.8	0.86
Arsenic	0.61	2.4	4.81	--	MG/KG	1.8	Y		2.74	Y	J	2.59	Y	J	2.4	0.5	3.5	1.5	0.3	Low	3.2	3.6	-41.4	5.6	3.2
Barium	3,000	38,000	133	--	MG/KG	78.5	Y	J	93.2	Y		96.1	Y		89.3	9.4	64.7	0.7	5.4	Low	105.2	113.0	-17.1	-3.1	105.2
Beryllium	32	400	2.7	--	MG/KG	0.836	Y	J	0.963	Y	J	0.881	Y	J	0.9	0.1	0.4	0.5	0.0	Low	1.0	1.1	-14.1	8.9	1.0
Cadmium	14	160	DL	--	MG/KG	0.297	Y	J	0.01875	N		0.0682	Y	J	0.128	0.148	1.018	8.0	0.086	High	0.4	0.5	176.2	-113.7	0.502
Chromium	24,000	100,000	5.16	--	MG/KG	8.5	Y	J	10	Y	J	7.16	Y	J	8.6	1.4	9.7	1.1	0.8	Low	10.9	12.1	-16.2	33.1	10.9
Cobalt	4.6	60	14.7	304	MG/KG	3.56	Y		3.87	Y		3.71	Y		3.7	0.2	1.1	0.3	0.1	Low	4.0	4.1	-8.3	4.2	4.0
Copper	620	8,200	3.72	--	MG/KG	8.81	Y	J	7.81	Y	J	8.57	Y	J	8.4	0.5	3.6	0.4	0.3	Low	9.3	9.7	12.0	-9.3	9.3
Lead	400	800	20.5	--	MG/KG	15.1	Y	J	21.5	Y	J	16.6	Y	J	17.7	3.3	22.9	1.3	1.9	Low	23.4	26.2	-35.0	25.7	23.4
Mercury	2	3.1	0.0215	--	MG/KG	0.0261	Y	J	0.0308	Y	J	0.027	Y	J	0.028	0.002	0.017	0.6	0.001	Low	0.032	0.034	-16.5	13.1	0.032
Nickel	300	4,000	5.54	--	MG/KG	29.3	Y	J	28.8	Y		17.2	Y		25.1	6.8	46.9	1.9	4.0	Medium	36.6	42.3	1.7	50.4	42.3
Selenium	78	1,000	--	--	MG/KG	0.223	Y	J	0.643	Y	J	0.637	Y	J	0.5	0.2	1.7	3.3	0.1	High	0.9	1.1	-97.0	0.9	1.1
Silver	78	1,000	DL	5,070	MG/KG	40.1	Y	J	26.4	Y		34.3	Y		33.6	6.9	47.1	1.4	4.0	Low	45.2	50.9	41.2	-26.0	45.2
Thallium	0.16	2	DL	10.1	MG/KG	0.314	Y	J	0.4	Y	J	0.447	Y	J	0.387	0.067	0.462	1.2	0.039	Low	0.501	0.557	-24.1	-11.1	0.501
Tin	9,400	100,000	DL	--	MG/KG	2.61	Y	B	3.49	Y	B	3.14	Y	B	3.1	0.4	3.0	1.0	0.3	Low	3.8	4.2	-28.9	10.6	3.8
Vanadium	78	1,000	22.8	507	MG/KG	22.2	Y		23.8	Y		20.4	Y		22.1	1.7	11.7	0.5	1.0	Low	25.0	26.4	-7.0	15.4	25.0
Zinc	4,600	62,000	49	--	MG/KG	239	Y	J	78.2	Y	J	79.1	Y	J	132.1	92.6	634.7	4.8	53.5	High	288.2	365.1	101.4	-1.1	365.1

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residential PSRG & Background
- Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID					DU-5A			DU-5B			DU-5C			DU-5										
	Date Sampled					12/09/2014			12/09/2014			12/09/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments					41			41			41									Student's T	Chebyshev			
	Preliminary Soil Remediation Goal (PSRG)					Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Residential Health Based	Industrial Health Based	Site Specific Background	Site Specific RL for Surface Soil	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL							
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	12	Y	J	2	N		21	Y		11.7	9.5	60.9	5.2	5.5	High	27.7	35.6	142.9	-165.2	35.6
Acenaphthene	680,000	6,600,000	--	--	UG/KG	30	Y	J	9	Y	J	66	Y		35.0	28.8	184.6	5.3	16.6	High	83.6	107.5	107.7	-152.0	107.5
Acenaphthylene	NA	NA	--	--	UG/KG	10	Y	J	4	Y	J	41	Y		18.3	19.9	127.2	6.9	11.5	High	51.8	68.3	85.7	-164.4	68.3
Anthracene	3,400,000	34,000,000	--	--	UG/KG	82	Y		27	Y		190	Y		99.7	82.9	531.0	5.3	47.9	High	239.5	308.4	100.9	-150.2	308.4
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	240	Y		100	Y		560	Y		300.0	235.8	1509.8	5.0	136.1	High	697.5	893.4	82.4	-139.4	893.4
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	280	Y		120	Y		680	Y		360.0	288.4	1846.9	5.1	166.5	High	846.3	1085.9	80.0	-140.0	1,085.9
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	140	Y		68	Y		320	Y		176.0	129.8	831.1	4.7	74.9	High	394.8	502.7	69.2	-129.9	502.7
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	130	Y		58	Y		250	Y		146.0	97.0	621.1	4.3	56.0	High	309.5	390.1	76.6	-124.7	390.1
Benzo(A)Pyrene	15	210	--	--	UG/KG	220	Y		98	Y		510	Y		276.0	211.6	1355.1	4.9	122.2	High	632.8	808.6	76.7	-135.5	808.6
Benzyl Alcohol	1,200,000	12,000,000	--	--	UG/KG	95	N		95	N		240	Y	J	143.3	83.7	536.0	3.7	48.3	High	284.5	354.0	0.0	-86.6	354.0
Chrysene	15,000	210,000	--	--	UG/KG	210	Y		90	Y		500	Y		266.7	210.8	1349.7	5.1	121.7	High	622.0	797.1	80.0	-139.0	797.1
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	40	Y	J	17	Y	J	90	Y		49.0	37.3	239.0	4.9	21.5	High	111.9	142.9	80.7	-136.4	142.9
Dibenzofuran	16,000	170,000	--	--	UG/KG	20	Y	J	9.5	N		43	Y		24.2	17.1	109.7	4.5	9.9	High	53.1	67.3	71.2	-127.6	67.3
Fluoranthene	460,000	4,400,000	--	--	UG/KG	460	Y		190	Y		1100	Y		583.3	467.4	2992.6	5.1	269.8	High	1371.2	1759.5	83.1	-141.1	1,759.5
Fluorene	460,000	4,400,000	--	--	UG/KG	43	Y	J	9	Y	J	99	Y		50.3	45.4	291.0	5.8	26.2	High	126.9	164.7	130.8	-166.7	164.7
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	130	Y		61	Y		310	Y		167.0	128.6	823.2	4.9	74.2	High	383.7	490.5	72.3	-134.2	490.5
Naphthalene	3,600	18,000	--	873,000	UG/KG	25	Y		2	N		57	Y		28.0	27.6	176.9	6.3	15.9	High	74.6	97.5	170.4	-186.4	97.5
Phenanthrene	--	--	--	--	UG/KG	310	Y		100	Y		690	Y		366.7	299.1	1914.9	5.2	172.7	High	870.8	1119.3	102.4	-149.4	1,119.3
Pyrene	340,000	3,400,000	--	--	UG/KG	350	Y		150	Y		800	Y		433.3	332.9	2131.7	4.9	192.2	High	994.6	1271.2	80.0	-136.8	1,271.2
PCB 1254	1,000	1,000	--	--	UG/KG	1.85	N		31	Y		28	Y		20.3	16.0	102.7	5.1	9.3	High	47.3	60.6	-177.5	10.2	60.6
PCB 1260	1,000	1,000	--	--	UG/KG	18	Y	J	2.75	N		130	Y		50.3	69.5	444.9	8.9	40.1	High	167.4	225.1	147.0	-191.7	225.1
Antimony	6.2	82	DL	406	MG/KG	0.205	Y	J	0.123	Y	J	0.116	Y	J	0.148	0.049	0.317	2.1	0.029	Medium	0.231	0.273	50.0	5.9	0.273
Arsenic	0.61	2.4	4.81	--	MG/KG	1.52	Y		1.52	Y		1.48	Y		1.5	0.0	0.1	0.1	0.0	Low	1.5	1.6	0.0	2.7	1.5
Barium	3,000	38,000	133	--	MG/KG	70.8	Y		70.8	Y		65.5	Y		69.0	3.1	19.6	0.3	1.8	Low	74.2	76.7	0.0	7.8	74.2
Beryllium	32	400	2.7	--	MG/KG	1.2	Y		1.22	Y		1.24	Y		1.2	0.0	0.1	0.1	0.0	Low	1.3	1.3	-1.7	-1.6	1.3
Cadmium	14	160	DL	--	MG/KG	0.185	Y	J	0.185	Y	J	0.184	Y	J	0.185	0.001	0.004	0.0	0.000	Low	0.186	0.186	0.0	0.5	0.186
Chromium	24,000	100,000	5.16	--	MG/KG	8.99	Y		6.37	Y		6.5	Y		7.3	1.5	9.5	1.3	0.9	Low	9.8	11.0	34.1	-2.0	9.8
Cobalt	4.6	60	14.7	304	MG/KG	3.79	Y		3.64	Y		3.81	Y		3.7	0.1	0.6	0.2	0.1	Low	3.9	4.0	4.0	-4.6	3.9
Copper	620	8,200	3.72	--	MG/KG	8.43	Y		5.88	Y		10.3	Y		8.2	2.2	14.2	1.7	1.3	Medium	11.9	13.8	35.6	-54.6	13.8
Lead	400	800	20.5	--	MG/KG	17.3	Y	J	16.2	Y	J	16.5	Y	J	16.7	0.6	3.6	0.2	0.3	Low	17.6	18.1	6.6	-1.8	17.6
Mercury	2	3.1	0.0215	--	MG/KG	0.0235	Y	J	0.0228	Y	J	0.0248	Y	J	0.024	0.001	0.006	0.3	0.001	Low	0.025	0.026	3.0	-8.4	0.025
Nickel	300	4,000	5.54	--	MG/KG	19.7	Y		19.2	Y		27.2	Y		22.0	4.5	28.7	1.3	2.6	Low	29.6	33.3	2.6	-34.5	29.6
Selenium	78	1,000	--	--	MG/KG	0.255	Y	J	0.288	Y	J	0.273	Y	J	0.272	0.017	0.106	0.4	0.010	Low	0.300	0.314	-12.2	5.3	0.300
Silver	78	1,000	DL	5,070	MG/KG	1.91	Y		1.83	Y		4.68	Y		2.8	1.6	10.4	3.7	0.9	High	5.5	6.9	4.3	-87.6	6.9
Thallium	0.16	2	DL	10.1	MG/KG	0.285	Y		0.321	Y		0.345	Y		0.317	0.030	0.193	0.6	0.017	Low	0.368	0.393	-11.9	-7.2	0.368
Tin	9,400	100,000	DL	--	MG/KG	3.36	Y	B	3.28	Y	B	3.38	Y	B	3.3	0.1	0.3	0.1	0.0	Low	3.4	3.5	2.4	-3.0	3.4
Vanadium	78	1,000	22.8	507	MG/KG	22.8	Y		18.5	Y		17.9	Y		19.7	2.7	17.1	0.9	1.5	Low	24.2	26.5	20.8	3.3	24.2
Zinc	4,600	62,000	49	--	MG/KG	58	Y		49.2	Y		71.1	Y		59.4	11.0	70.6	1.2	6.4	Low	78.0	87.2	16.4	-36.4	78.0

 Exceeds Residential PSRG
 Exceeds Industrial PSRG
 Exceeds Background
 Exceeds Residential PSRG & Background
 Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID				DU-6A			DU-6B			DU-6C			DU-6											
	Date Sampled				12/11/2014			12/11/2014			12/11/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL	
	Number of Increments				48			48			48									Student's T	Chebyshev				
	Preliminary Soil Remediation Goal (PSRG)				Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low	Medium to High				
Residential Health Based	Industrial Health Based	Site Specific Background	Site Specific RL for Surface Soil	Units																					
Trichlorofluoromethane	160,000	680,000	--	--	UG/KG	290	Y	J	380	Y		350	Y		340.0	45.8	317.5	0.9	26.5	Low	417.3	455.3	-26.9	8.2	417.3
Xylenes	130,000	260,000	--	--	UG/KG	32	N		29.5	N		63	Y	J	41.5	18.7	129.3	3.1	10.8	High	73.0	88.5	8.1	-72.4	88.5
2,4-Dimethylphenol	240,000	2,400,000	--	--	UG/KG	110	Y		9.5	N		9.5	N		43.0	58.0	402.0	9.3	33.5	High	140.8	189.0	168.2	0.0	189.0
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	2400	Y		70	Y		150	Y		873.3	1322.7	9164.2	10.5	763.7	High	3103.3	4202.1	188.7	-72.7	4,202.1
2-Methylphenol (O-Cresol)	620,000	12,000,000	--	--	UG/KG	96	Y		9.5	N		9.5	N		38.3	49.9	346.0	9.0	28.8	High	122.5	164.0	164.0	0.0	164.0
3-Methylcholanthrene	5.2	78	--	--	UG/KG	150	Y		9.5	N		9.5	N		56.3	81.1	562.0	10.0	46.8	High	193.1	260.5	176.2	0.0	260.5
4-Methylphenol (P-Cresol)	1,200,000	12,000,000	--	--	UG/KG	240	Y		9.5	N		9.5	N		86.3	133.1	922.0	10.7	76.8	High	310.7	421.2	184.8	0.0	421.2
Acenaphthene	680,000	6,600,000	--	--	UG/KG	4100	Y		430	Y		530	Y		1686.7	2090.6	14484.1	8.6	1207.0	High	5211.1	6947.9	162.0	-20.8	6,947.9
Acenaphthylene	NA	NA	--	--	UG/KG	750	Y		150	Y		170	Y		356.7	340.8	2361.0	6.6	196.8	High	931.2	1214.3	133.3	-12.5	1,214.3
Acetophenone	1,600,000	2,500,000	--	--	UG/KG	9.5	N		27	Y	J	9.5	N		15.3	10.1	70.0	4.6	5.8	High	32.4	40.8	-95.9	95.9	40.8
Anthracene	3,400,000	34,000,000	--	--	UG/KG	9600	Y		1300	Y		1300	Y		4066.7	4792.0	33200.0	8.2	2766.7	High	12145.3	16126.3	152.3	0.0	16,126.3
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	16000	Y		4300	Y		3500	Y		7933.3	6997.4	48479.3	6.1	4039.9	High	19729.9	25543.0	115.3	20.5	25,543.0
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	18000	Y		4500	Y		3700	Y		8733.3	8035.1	55669.0	6.4	4639.1	High	22279.4	28954.6	120.0	19.5	28,954.6
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	8100	Y		2300	Y		1700	Y		4033.3	3534.6	24488.4	6.1	2040.7	High	9992.1	12928.5	111.5	30.0	12,928.5
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	6700	Y		1800	Y		1300	Y		3266.7	2983.8	20672.7	6.3	1722.7	High	8297.0	10775.8	115.3	32.3	10,775.8
Benzo(A)Pyrene	15	210	--	--	UG/KG	13000	Y		3500	Y		2600	Y		6366.7	5762.2	39921.9	6.3	3326.8	High	16081.0	20868.0	115.2	29.5	20,868.0
Biphenyl	10,000	42,000	--	299,000	UG/KG	890	Y		110	Y		72	Y		357.3	461.7	3198.7	9.0	266.6	High	1135.7	1519.2	156.0	41.8	1,519.2
Bis(2-Ethylhexyl)Phthalate	35,000	120,000	--	--	UG/KG	160	Y	J	330	Y		200	Y		230.0	88.9	615.8	2.7	51.3	Medium	379.8	453.7	-69.4	49.1	453.7
Butyl Benzyl Phthalate	260,000	910,000	--	--	UG/KG	38	N		83	Y	J	110	Y	J	77.0	36.4	252.0	3.3	21.0	High	138.3	168.5	-74.4	-28.0	168.5
Chrysene	15,000	210,000	--	--	UG/KG	14000	Y		3800	Y		2900	Y		6900.0	6165.2	42713.9	6.2	3559.5	High	17293.7	22415.5	114.6	26.9	22,415.5
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	2000	Y		650	Y		410	Y		1020.0	857.1	5938.5	5.8	494.9	High	2465.0	3177.1	101.9	45.3	3,177.1
Dibenzofuran	16,000	170,000	--	--	UG/KG	3200	Y		210	Y		320	Y		1243.3	1695.4	11746.2	9.4	978.8	High	4101.6	5510.0	175.4	-41.5	5,510.0
Dimethyl Phthalate	--	--	--	--	UG/KG	38	N		110	Y	J	38	N		62.0	41.6	288.0	4.6	24.0	High	132.1	166.6	-97.3	97.3	166.6
Diphenyl Ether	--	--	--	--	UG/KG	180	Y		330	Y		86	Y		198.7	123.1	852.6	4.3	71.1	High	406.1	508.4	-58.8	117.3	508.4
Fluoranthene	460,000	4,400,000	--	--	UG/KG	36000	Y		7000	Y		6900	Y		16633.3	16772.1	116200.5	7.0	9683.4	High	44908.7	58842.2	134.9	1.4	58,842.2
Fluorene	460,000	4,400,000	--	--	UG/KG	6600	Y		490	Y		700	Y		2596.7	3468.6	24031.0	9.3	2002.6	High	8444.2	11325.7	172.4	-35.3	11,325.7
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	7900	Y		2200	Y		1600	Y		3900.0	3477.1	24089.8	6.2	2007.5	High	9761.8	12650.4	112.9	31.6	12,650.4
Naphthalene	3,600	18,000	--	873,000	UG/KG	5600	Y		170	Y		370	Y		2046.7	3078.9	21331.3	10.4	1777.6	High	7237.2	9795.1	188.2	-74.1	9,795.1
N-Nitrosodiphenylamine	99,000	350,000	--	--	UG/KG	78	Y		9.5	N		9.5	N		32.3	39.5	274.0	8.5	22.8	High	99.0	131.9	156.6	0.0	131.9
Phenanthrene	--	--	--	--	UG/KG	33000	Y		4400	Y		4200	Y		13866.7	16570.3	114802.1	8.3	9566.8	High	41801.7	55567.6	152.9	4.7	55,567.6
Phenol	3,600,000	36,000,000	--	--	UG/KG	210	Y		28	Y	J	19	Y	J	85.7	107.8	746.7	8.7	62.2	High	267.4	356.9	152.9	38.3	356.9
Pyrene	340,000	3,400,000	--	--	UG/KG	27000	Y		5500	Y		5100	Y		12533.3	12530.1	86811.1	6.9	7234.3	High	33657.3	44066.7	132.3	7.5	44,066.7
PCB 1242	1,000	1,000	--	--	UG/KG	2900	Y		1.9	N		1.9	N		967.9	1673.2	11592.4	12.0	966.0	High	3788.7	5178.8	199.7	0.0	5,178.8
PCB 1254	1,000	1,000	--	--	UG/KG	19	N		92	Y		110	Y		73.7	48.2	333.9	4.5	27.8	High	154.9	194.9	-131.5	-17.8	194.9
Antimony	6.2	82	DL	406	MG/KG	0.463	Y	J	0.918	Y	J	0.484	Y	J	0.6	0.3	1.8	2.9	0.1	Medium	1.1	1.3	-65.9	61.9	1.3
Arsenic	0.61	2.4	4.81	--	MG/KG	1.92	Y		1.86	Y		1.83	Y		1.9	0.0	0.3	0.2	0.0	Low	1.9	2.0	3.2	1.6	1.9
Barium	3,000	38,000	133	--	MG/KG	69.9	Y		66.1	Y		62.9	Y		66.3	3.5	24.3	0.4	2.0	Low	72.2	75.1	5.6	5.0	72.2
Beryllium	32	400	2.7	--	MG/KG	1.4	Y		1.18	Y		1.36	Y		1.3	0.1	0.8	0.6	0.1	Low	1.5	1.6	17.1	-14.2	1.5
Cadmium	14	160	DL	--	MG/KG	0.293	Y	J	0.367	Y	J	0.251	Y	J	0.304	0.059	0.407	1.3	0.034	Low	0.403	0.451	-22.4	37.5	0.403
Chromium	24,000	100,000	5.16	--	MG/KG	10.6	Y		9.28	Y		7.13	Y		9.0	1.8	12.1	1.3	1.0	Low	12.0	13.4	13.3	26.2	12.0
Cobalt	4.6	60	14.7	304	MG/KG	3.57	Y		3.16	Y		3.12	Y		3.3	0.2	1.7	0.5	0.1	Low	3.7	3.9	12.2	1.3	3.7
Copper	620	8,200	3.72	--	MG/KG	9.45	Y		9.64	Y		8.69	Y		9.3	0.5	3.5	0.4	0.3	Low	10.1	10.5	-2.0	10.4	10.1
Lead	400	800	20.5	--	MG/KG	19.4	Y	J	18.8	Y	J	19.7	Y	J	19.3	0.5	3.2	0.2	0.3	Low	20.1	20.5	3.1	-4.7	20.1
Mercury	2	3.1	0.0215	--	MG/KG	1.81	Y		0.331	Y		0.0505	Y	J	0.73	0.95	6.55	9.0	0.55	High	2.3	3.1	138.2	147.1	3.1
Nickel	300	4,000	5.54	--	MG/KG	16.3	Y		20.1	Y		15.6	Y		17.3	2.4	16.8	1.0	1.4	Low	21.4	23.4	-20.9	25.2	21.4
Selenium	78	1,000	--	--	MG/KG	0.308	Y	J	0.274	Y	J	0.317	Y	J	0.300	0.023	0.157	0.5	0.013	Low	0.338	0.357	11.7	-14.6	0.338
Silver	78	1,000	DL	5,070	MG/KG	3.98	Y		11.6	Y		12.6	Y		9.4	4.7	32.7	3.5	2.7	High	17.3	21.3	-97.8	-8.3	21.3
Thallium	0.16	2	DL	10.1	MG/KG	0.266	Y		0.241	Y		0.278	Y		0.262	0.019	0.131	0.5	0.011	Low	0.293	0.309	9.9	-14.3	0.293
Tin	9,400	100,000	DL	--	MG/KG	3.63	Y	B	3.67	Y	B	3.5	Y	B	3.6	0.1	0.6	0.2	0.1	Low	3.7	3.8	-1.1	4.7	3.7
Vanadium	78	1,000	22.8	507	MG/KG	29.2	Y		22.2	Y		19.2	Y		23.5	5.1	35.6	1.5	3.0	Medium	32.2	36.4	27.2	14.5	36.4
Zinc	4,600	62,000	49	--	MG/KG	88.3	Y		97.7	Y		85.4	Y		90.5	6.4	44.5	0.5	3.7	Low	101.3	106.6	-10.1	13.4	101.3

Exceeds Residential PSRG
 Exceeds Industrial PSRG
 Exceeds Background
 Exceeds Residential PSRG & Background
 Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID				DU-7A			DU-7B			DU-7C			DU-7											
	Date Sampled				12/15/2014			12/15/2014			12/15/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL	
	Number of Increments				35			35			35									Student's T	Chebyshev				
	Preliminary Soil Remediation Goal (PSRG)				Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion				
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units																					
Trichlorofluoromethane	160,000	680,000	--	--	UG/KG	170	Y	J	400	Y		230	Y	J	266.7	119.3	705.8	2.6	68.9	Medium	467.8	566.9	-80.7	54.0	566.9
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	52	Y		33	Y		18	Y	J	34.3	17.0	100.8	2.9	9.8	Medium	63.1	77.2	44.7	58.8	77.2
Acenaphthene	680,000	6,600,000	--	--	UG/KG	220	Y		190	Y		93	Y		167.7	66.4	392.7	2.3	38.3	Medium	279.6	334.7	14.6	68.6	334.7
Acenaphthylene	NA	NA	--	--	UG/KG	130	Y		100	Y		46	Y		92.0	42.6	251.8	2.7	24.6	Medium	163.8	199.1	26.1	74.0	199.1
Acetophenone	1,600,000	2,500,000	--	--	UG/KG	24	Y	J	9.5	N		9.5	N		14.3	8.4	49.5	3.5	4.8	High	28.4	35.4	86.6	0.0	35.4
Anthracene	3,400,000	34,000,000	--	--	UG/KG	660	Y		670	Y		270	Y		533.3	228.1	1349.5	2.5	131.7	Medium	917.9	1107.4	-1.5	85.1	1,107.4
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	1900	Y		2000	Y		870	Y		1590.0	625.5	3700.7	2.3	361.2	Medium	2644.6	3164.2	-5.1	78.7	3,164.2
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	2100	Y		2100	Y		1100	Y		1766.7	577.4	3415.7	1.9	333.3	Medium	2740.0	3219.6	0.0	62.5	3,219.6
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	1100	Y		1100	Y		570	Y		923.3	306.0	1810.3	2.0	176.7	Medium	1439.2	1693.4	0.0	63.5	1,693.4
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	820	Y		940	Y		390	Y		716.7	289.2	1710.9	2.4	167.0	Medium	1204.2	1444.5	-13.6	82.7	1,444.5
Benzo(A)Pyrene	15	210	--	--	UG/KG	1600	Y		1600	Y		820	Y		1340.0	450.3	2664.2	2.0	260.0	Medium	2099.2	2473.3	0.0	64.5	2,473.3
Biphenyl	10,000	42,000	--	299,000	UG/KG	30	Y	J	22	Y	J	26	Y	J	26.0	4.0	23.7	0.9	2.3	Low	32.7	36.1	30.8	-16.7	32.7
Bis(2-Ethylhexyl)Phthalate	35,000	120,000	--	--	UG/KG	95	Y	J	88	Y	J	38	N		73.7	31.1	183.9	2.5	17.9	Medium	126.1	151.9	7.7	79.4	151.9
Chrysene	15,000	210,000	--	--	UG/KG	1800	Y		1700	Y		820	Y		1440.0	539.3	3190.3	2.2	311.3	Medium	2349.1	2797.1	5.7	69.8	2,797.1
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	350	Y		330	Y		180	Y		286.7	92.9	549.7	1.9	53.6	Medium	443.3	520.5	5.9	58.8	520.5
Dibenzofuran	16,000	170,000	--	--	UG/KG	130	Y		96	Y		43	Y		89.7	43.8	259.4	2.9	25.3	Medium	163.6	200.0	30.1	76.3	200.0
Diphenyl Ether	--	--	--	--	UG/KG	62	Y		35	Y	J	67	Y		54.7	17.2	101.8	1.9	9.9	Medium	83.7	98.0	55.7	-62.7	98.0
Fluoranthene	460,000	4,400,000	--	--	UG/KG	3400	Y		3500	Y		1600	Y		2833.3	1069.3	6325.9	2.2	617.3	Medium	4636.0	5524.3	-2.9	74.5	5,524.3
Fluorene	460,000	4,400,000	--	--	UG/KG	300	Y		250	Y		100	Y		216.7	104.1	615.8	2.8	60.1	Medium	392.1	478.6	18.2	85.7	478.6
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	1000	Y		1000	Y		530	Y		843.3	271.4	1605.4	1.9	156.7	Medium	1300.8	1526.2	0.0	61.4	1,526.2
Naphthalene	3,600	18,000	--	873,000	UG/KG	110	Y		68	Y		36	Y		71.3	37.1	219.6	3.1	21.4	High	133.9	164.7	47.2	61.5	164.7
Phenanthrene	--	--	--	--	UG/KG	2300	Y		2200	Y		990	Y		1830.0	729.2	4313.9	2.4	421.0	Medium	3059.3	3665.1	4.4	75.9	3,665.1
Pyrene	340,000	3,400,000	--	--	UG/KG	2700	Y		2700	Y		1200	Y		2200.0	866.0	5123.5	2.3	500.0	Medium	3660.0	4379.4	0.0	76.9	4,379.4
PCB 1254	1,000	1,000	--	--	UG/KG	63	Y		42	Y		26	Y		43.7	18.6	109.8	2.5	10.7	Medium	74.9	90.4	40.0	47.1	90.4
PCB 1260	1,000	1,000	--	--	UG/KG	2.75	N		2.8	N		26	Y		10.5	13.4	79.3	7.5	7.7	High	33.1	44.3	-1.8	-161.1	44.3
Antimony	6.2	82	DL	406	MG/KG	0.353	Y	J	1.12	Y	J	0.261	Y	J	0.6	0.5	2.8	4.8	0.3	High	1.4	1.8	-104.1	124.4	1.8
Arsenic	0.61	2.4	4.81	--	MG/KG	3.99	Y		3.33	Y		2.43	Y		3.3	0.8	4.6	1.4	0.5	Low	4.6	5.2	18.0	31.3	4.6
Barium	3,000	38,000	133	--	MG/KG	62.7	Y		63.1	Y		56.2	Y		60.7	3.9	22.9	0.4	2.2	Low	67.2	70.4	-0.6	11.6	67.2
Beryllium	32	400	2.7	--	MG/KG	1.16	Y		1.23	Y		1.27	Y		1.2	0.1	0.3	0.3	0.0	Low	1.3	1.4	-5.9	-3.2	1.3
Cadmium	14	160	DL	--	MG/KG	0.183	Y	J	0.21	Y	J	0.23	Y	J	0.208	0.024	0.140	0.7	0.014	Low	0.247	0.267	-13.7	-9.1	0.247
Chromium	24,000	100,000	5.16	--	MG/KG	8.22	Y		7.83	Y		5.98	Y		7.3	1.2	7.1	1.0	0.7	Low	9.4	10.4	4.9	26.8	9.4
Cobalt	4.6	60	14.7	304	MG/KG	3.19	Y		4.44	Y		3.65	Y		3.8	0.6	3.7	1.0	0.4	Low	4.8	5.4	-32.8	19.5	4.8
Copper	620	8,200	3.72	--	MG/KG	9.95	Y		10	Y		9.64	Y		9.9	0.2	1.2	0.1	0.1	Low	10.2	10.4	-0.5	3.7	10.2
Lead	400	800	20.5	--	MG/KG	16.5	Y		21.4	Y		19.1	Y		19.0	2.5	14.5	0.8	1.4	Low	23.1	25.2	-25.9	11.4	23.1
Mercury	2	3.1	0.0215	--	MG/KG	0.0275	Y	J	0.0332	Y	J	0.023	Y	J	0.028	0.005	0.030	1.1	0.003	Low	0.037	0.041	-18.8	36.3	0.037
Nickel	300	4,000	5.54	--	MG/KG	12.6	Y		11.8	Y		12.7	Y		12.4	0.5	2.9	0.2	0.3	Low	13.2	13.6	6.6	-7.3	13.2
Selenium	78	1,000	--	--	MG/KG	0.529	Y	J	0.524	Y	J	0.488	Y	J	0.514	0.022	0.132	0.3	0.013	Low	0.551	0.570	0.9	7.1	0.551
Silver	78	1,000	DL	5,070	MG/KG	18.1	Y		15	Y		3.83	Y		12.3	7.5	44.4	3.6	4.3	High	25.0	31.2	18.7	118.6	31.2
Thallium	0.16	2	DL	10.1	MG/KG	0.408	Y	J	0.437	Y	J	0.359	Y	J	0.401	0.039	0.233	0.6	0.023	Low	0.468	0.501	-6.9	19.6	0.468
Tin	9,400	100,000	DL	--	MG/KG	2.57	Y	B	2.87	Y	B	2.38	Y	B	2.6	0.2	1.5	0.6	0.1	Low	3.0	3.2	-11.0	18.7	3.0
Vanadium	78	1,000	22.8	507	MG/KG	17.3	Y		18.2	Y		16.4	Y		17.3	0.9	5.3	0.3	0.5	Low	18.8	19.6	-5.1	10.4	18.8
Zinc	4,600	62,000	49	--	MG/KG	97	Y		100	Y		98.1	Y		98.4	1.5	9.0	0.1	0.9	Low	100.9	102.2	-3.0	1.9	100.9

Exceeds Residential PSRG
 Exceeds Industrial PSRG
 Exceeds Background
 Exceeds Residential PSRG & Background
 Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID				DU-8A			DU-8B			DU-8C			DU-8											
	Date Sampled				12/17/2014			12/17/2014			12/17/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL	
	Number of Increments				51			51			51									Student's T	Chebyshev				
	Preliminary Soil Remediation Goal (PSRG)				Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion				
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units																					
2-Methylnaphthalene	46,000	370,000	--	--	UG/KG	7	Y	J	15	Y	J	84	Y		35.3	42.3	302.3	8.6	24.4	High	106.7	141.9	-72.7	-139.4	141.9
3-Methylcholanthrene	5.2	78	--	--	UG/KG	9.5	N		9.5	N		68	Y		29.0	33.8	241.2	8.3	19.5	High	85.9	114.0	0.0	-151.0	114.0
Acenaphthene	680,000	6,600,000	--	--	UG/KG	54	Y		81	Y		500	Y		211.7	250.1	1785.8	8.4	144.4	High	633.2	841.0	-40.0	-144.2	841.0
Acenaphthylene	NA	NA	--	--	UG/KG	8	Y	J	6	Y	J	11	Y	J	8.3	2.5	18.0	2.2	1.5	Medium	12.6	14.7	28.6	-58.8	14.7
Anthracene	3,400,000	34,000,000	--	--	UG/KG	160	Y		190	Y		1400	Y		583.3	707.4	5051.9	8.7	408.4	High	1775.9	2363.6	-17.1	-152.2	2,363.6
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	380	Y		510	Y		3600	Y		1496.7	1822.7	13016.7	8.7	1052.3	High	4569.5	6083.7	-29.2	-150.4	6,083.7
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	500	Y		640	Y		3900	Y		1680.0	1923.9	13739.0	8.2	1110.7	High	4923.3	6521.6	-24.6	-143.6	6,521.6
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	240	Y		320	Y		1700	Y		753.3	820.8	5861.8	7.8	473.9	High	2137.1	2819.0	-28.6	-136.6	2,819.0
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	180	Y		290	Y		1300	Y		590.0	617.3	4408.6	7.5	356.4	High	1630.7	2143.6	-46.8	-127.0	2,143.6
Benzo(A)Pyrene	15	210	--	--	UG/KG	360	Y		490	Y		2800	Y		1216.7	1372.7	9803.4	8.1	792.6	High	3530.9	4671.3	-30.6	-140.4	4,671.3
Biphenyl	10,000	42,000	--	299,000	UG/KG	9.5	N		9.5	N		43	Y		20.7	19.3	138.1	6.7	11.2	High	53.3	69.3	0.0	-127.6	69.3
Chrysene	15,000	210,000	--	--	UG/KG	360	Y		490	Y		3200	Y		1350.0	1603.5	11451.0	8.5	925.8	High	4053.2	5385.3	-30.6	-146.9	5,385.3
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	66	Y		96	Y		560	Y		240.7	277.0	1977.9	8.2	159.9	High	707.6	937.7	-37.0	-141.5	937.7
Dibenzofuran	16,000	170,000	--	--	UG/KG	22	Y	J	41	Y		270	Y		111.0	138.0	985.7	8.9	79.7	High	343.7	458.4	-60.3	-147.3	458.4
Diphenyl Ether	--	--	--	--	UG/KG	37	Y	J	56	Y		48	Y		47.0	9.5	68.1	1.4	5.5	Low	63.1	71.0	-40.9	15.4	63.1
Fluoranthene	460,000	4,400,000	--	--	UG/KG	880	Y		1000	Y		6600	Y		2826.7	3268.4	23340.7	8.3	1887.0	High	8336.6	11051.8	-12.8	-147.4	11,051.8
Fluorene	460,000	4,400,000	--	--	UG/KG	60	Y		78	Y		610	Y		249.3	312.5	2231.5	8.9	180.4	High	776.1	1035.7	-26.1	-154.7	1,035.7
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	220	Y		300	Y		1600	Y		706.7	774.7	5532.3	7.8	447.3	High	2012.7	2656.2	-30.8	-136.8	2,656.2
Naphthalene	3,600	18,000	--	873,000	UG/KG	15	Y	J	31	Y		200	Y		82.0	102.5	732.0	8.9	59.2	High	254.8	340.0	-69.6	-146.3	340.0
Phenanthrene	--	--	--	--	UG/KG	600	Y		730	Y		4300	Y		1876.7	2099.7	14994.7	8.0	1212.2	High	5416.4	7160.7	-19.5	-141.9	7,160.7
Pyrene	340,000	3,400,000	--	--	UG/KG	640	Y		830	Y		5100	Y		2190.0	2521.9	18010.1	8.2	1456.0	High	6441.6	8536.7	-25.9	-144.0	8,536.7
PCB 1254	1,000	1,000	--	--	UG/KG	26	Y		1.9	N		72	Y		33.3	35.6	254.3	7.6	20.6	High	93.3	122.9	172.8	-189.7	122.9
PCB 1260	1,000	1,000	--	--	UG/KG	2.8	N		80	Y		2.9	N		28.6	44.5	318.1	11.1	25.7	High	103.7	140.7	-186.5	186.0	140.7
Antimony	6.2	82	DL	406	MG/KG	0.505	Y	J	0.577	Y	J	0.657	Y	J	0.580	0.076	0.543	0.9	0.044	Low	0.708	0.771	-13.3	-13.0	0.708
Arsenic	0.61	2.4	4.81	--	MG/KG	2.49	Y		2.5	Y		2.69	Y		2.6	0.1	0.8	0.3	0.1	Low	2.7	2.8	-0.4	-7.3	2.7
Barium	3,000	38,000	133	--	MG/KG	55.3	Y		64.9	Y		56.5	Y		58.9	5.2	37.4	0.6	3.0	Low	67.7	72.1	-16.0	13.8	67.7
Beryllium	32	400	2.7	--	MG/KG	1.31	Y		1.26	Y		1.45	Y		1.3	0.1	0.7	0.5	0.1	Low	1.5	1.6	3.9	-14.0	1.5
Cadmium	14	160	DL	--	MG/KG	0.118	Y	J	0.211	Y	J	0.182	Y	J	0.170	0.048	0.340	2.0	0.027	Medium	0.251	0.290	-56.5	14.8	0.290
Chromium	24,000	100,000	5.16	--	MG/KG	10.4	Y		12.5	Y		10.9	Y		11.3	1.1	7.8	0.7	0.6	Low	13.1	14.0	-18.3	13.7	13.1
Cobalt	4.6	60	14.7	304	MG/KG	2.76	Y		3.02	Y		3.18	Y		3.0	0.2	1.5	0.5	0.1	Low	3.3	3.5	-9.0	-5.2	3.3
Copper	620	8,200	3.72	--	MG/KG	8.88	Y		11.1	Y		16	Y		12.0	3.6	26.0	2.2	2.1	Medium	18.1	21.2	-22.2	-36.2	21.2
Lead	400	800	20.5	--	MG/KG	20.4	Y		18.8	Y		21.2	Y		20.1	1.2	8.7	0.4	0.7	Low	22.2	23.2	8.2	-12.0	22.2
Mercury	2	3.1	0.0215	--	MG/KG	0.0239	Y	J	0.0287	Y	J	0.0345	Y	J	0.029	0.005	0.038	1.3	0.003	Low	0.038	0.042	-18.3	-18.4	0.038
Nickel	300	4,000	5.54	--	MG/KG	9.2	Y		11.2	Y		12.9	Y		11.1	1.9	13.2	1.2	1.1	Low	14.2	15.8	-19.6	-14.1	14.2
Selenium	78	1,000	DL	5,070	MG/KG	0.322	Y	J	0.347	Y	J	0.331	Y	J	0.333	0.013	0.090	0.3	0.007	Low	0.355	0.365	-7.5	4.7	0.355
Thallium	0.16	2	DL	10.1	MG/KG	0.323	Y	J	0.306	Y	J	0.287	Y	J	0.305	0.018	0.129	0.4	0.010	Low	0.336	0.351	5.4	6.4	0.336
Tin	9,400	100,000	DL	--	MG/KG	3.76	Y	B	3.88	Y	B	4.59	Y	B	4.1	0.4	3.2	0.8	0.3	Low	4.8	5.2	-3.1	-16.8	4.8
Vanadium	78	1,000	22.8	507	MG/KG	15.2	Y		20.5	Y		18.4	Y		18.0	2.7	19.1	1.1	1.5	Low	22.5	24.8	-29.7	10.8	22.5
Zinc	4,600	62,000	49	--	MG/KG	70.9	Y		78.8	Y		80.1	Y		76.6	5.0	35.6	0.5	2.9	Low	85.0	89.1	-10.6	-1.6	85.0

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residential PSRG & Background
- Not Detected (1/2 the detection limit is reported)

Location ID					DU-9A			DU-9B			DU-9C			DU-9											
Date Sampled					12/18/2014			12/18/2014			12/18/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL	
Number of Increments					64			64			64		Student's T							Chebyshev					
Parameter Name	Preliminary Soil Remediation Goal (PSRG)				Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected							Validation Qualifier	Low Dispersion (Error)				Medium to High Dispersion
	Residential Health Based	Industrial Health Based	Site Specific Background	Site Specific RL for Surface Soil																					
Acenaphthene	680,000	6,600,000	--	--	UG/KG	6	Y	J	2	N		2	N		3.3	2.3	18.5	5.5	1.3	High	7.2	9.1	100.0	0.0	9.1
Acenaphthylene	NA	NA	--	--	UG/KG	6	Y	J	2	N		2	N		3.3	2.3	18.5	5.5	1.3	High	7.2	9.1	100.0	0.0	9.1
Anthracene	3,400,000	34,000,000	--	--	UG/KG	17	Y	J	2	N		2	N		7.0	8.7	69.3	9.9	5.0	High	21.6	28.8	157.9	0.0	28.8
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	57	Y	J	13	Y	J	11	Y	J	27.0	26.0	208.0	7.7	15.0	High	70.8	92.4	125.7	16.7	92.4
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	62	Y	J	18	Y	J	18	Y	J	32.7	25.4	203.2	6.2	14.7	High	75.5	96.6	110.0	0.0	96.6
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	26	Y	J	10	Y	J	12	Y	J	16.0	8.7	69.7	4.4	5.0	High	30.7	37.9	88.9	-18.2	37.9
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	24	Y	J	9	Y	J	9	Y	J	14.0	8.7	69.3	4.9	5.0	High	28.6	35.8	90.9	0.0	35.8
Benzo(A)Pyrene	15	210	--	--	UG/KG	41	Y	J	12	Y	J	12	Y	J	21.7	16.7	133.9	6.2	9.7	High	49.9	63.8	109.4	0.0	63.8
Chrysene	15,000	210,000	--	--	UG/KG	49	Y	J	14	Y	J	12	Y	J	25.0	20.8	166.5	6.7	12.0	High	60.1	77.4	111.1	15.4	77.4
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	10	Y	J	6	Y	J	5	Y	J	7.0	2.6	21.2	3.0	1.5	High	11.5	13.7	50.0	18.2	13.7
Fluoranthene	460,000	4,400,000	--	--	UG/KG	76	Y	J	18	Y	J	14	Y	J	36.0	34.7	277.6	7.7	20.0	High	94.5	123.3	123.4	25.0	123.3
Fluorene	460,000	4,400,000	--	--	UG/KG	7	Y	J	2	N		2	N		3.7	2.9	23.1	6.3	1.7	High	8.5	10.9	111.1	0.0	10.9
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	24	Y	J	10	Y	J	11	Y	J	15.0	7.8	62.5	4.2	4.5	High	28.2	34.7	82.4	-9.5	34.7
Phenanthrene	--	--	--	--	UG/KG	42	Y	J	9	Y	J	6	Y	J	19.0	20.0	159.8	8.4	11.5	High	52.7	69.3	129.4	40.0	69.3
Pyrene	340,000	3,400,000	--	--	UG/KG	86	Y	J	2	N		2	N		30.0	48.5	388.0	12.9	28.0	High	111.8	152.0	190.9	0.0	152.0
PCB 1248	1,000	1,000	--	--	UG/KG	1.8	N		1.85	N		120	Y		41.2	68.2	545.8	13.2	39.4	High	156.2	212.9	-2.7	-193.9	212.9
PCB 1254	1,000	1,000	--	--	UG/KG	6.6	Y	J	8	Y	J	1.85	N		5.5	3.2	25.8	4.7	1.9	High	10.9	13.6	-19.2	124.9	13.6
Antimony	6.2	82	DL	406	MG/KG	13.2	Y	J	3.9	Y	J	2.45	Y	J	6.5	5.8	46.7	7.2	3.4	High	16.4	21.2	108.8	45.7	21.2
Arsenic	0.61	2.4	4.81	--	MG/KG	2	Y		1.87	Y		2.16	Y		2.0	0.1	1.2	0.6	0.1	Low	2.3	2.4	6.7	-14.4	2.3
Barium	3,000	38,000	133	--	MG/KG	65.7	Y		65.5	Y		62.7	Y		64.6	1.7	13.4	0.2	1.0	Low	67.5	68.9	0.3	4.4	67.5
Beryllium	32	400	2.7	--	MG/KG	1.53	Y		1.65	Y		1.51	Y		1.6	0.1	0.6	0.4	0.0	Low	1.7	1.8	-7.5	8.9	1.7
Cadmium	14	160	DL	--	MG/KG	0.0806	Y	J	0.261	Y	J	0.12	Y	J	0.154	0.095	0.759	4.9	0.055	High	0.314	0.393	-105.6	74.0	0.393
Chromium	24,000	100,000	5.16	--	MG/KG	4.6	Y		4.23	Y		5.28	Y		4.7	0.5	4.3	0.9	0.3	Low	5.6	6.0	8.4	-22.1	5.6
Cobalt	4.6	60	14.7	304	MG/KG	3.28	Y		3.59	Y		2.9	Y		3.3	0.3	2.8	0.8	0.2	Low	3.8	4.1	-9.0	21.3	3.8
Copper	620	8,200	3.72	--	MG/KG	4.86	Y		4.9	Y		5.61	Y		5.1	0.4	3.4	0.7	0.2	Low	5.8	6.2	-0.8	-13.5	5.8
Lead	400	800	20.5	--	MG/KG	14	Y		17.7	Y		17.2	Y		16.3	2.0	16.1	1.0	1.2	Low	19.7	21.4	-23.3	2.9	19.7
Mercury	2	3.1	0.0215	--	MG/KG	0.0183	Y	J	0.0164	Y	J	0.0184	Y	J	0.018	0.001	0.009	0.5	0.001	Low	0.020	0.021	11.0	-11.5	0.020
Nickel	300	4,000	5.54	--	MG/KG	8.09	Y		5.57	Y		9.25	Y		7.6	1.9	15.1	2.0	1.1	Medium	10.8	12.4	36.9	-49.7	12.4
Selenium	78	1,000	--	--	MG/KG	0.412	Y	J	0.373	Y	J	0.404	Y	J	0.396	0.021	0.165	0.4	0.012	Low	0.431	0.448	9.9	-8.0	0.431
Silver	78	1,000	DL	5,070	MG/KG	0.741	Y	J	0.103	N		0.107	N		0.3	0.4	2.9	9.3	0.2	High	0.9	1.2	151.2	-3.8	1.2
Thallium	0.16	2	DL	10.1	MG/KG	0.38	Y	J	0.901	Y	J	0.512	Y	J	0.6	0.3	2.2	3.6	0.2	High	1.1	1.3	-81.3	55.1	1.3
Tin	9,400	100,000	DL	--	MG/KG	2.83	Y	B	3.17	Y	B	3.27	Y	B	3.1	0.2	1.8	0.6	0.1	Low	3.5	3.7	-11.3	-3.1	3.5
Vanadium	78	1,000	22.8	507	MG/KG	19.2	Y		16.9	Y		18.5	Y		18.2	1.2	9.4	0.5	0.7	Low	20.2	21.2	12.7	-9.0	20.2
Zinc	4,600	62,000	49	--	MG/KG	40.1	Y		38.7	Y		43.5	Y		40.8	2.5	19.7	0.5	1.4	Low	44.9	47.0	3.6	-11.7	44.9

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residential PSRG & Background
- Not Detected (1/2 the detection limit is reported)

Parameter Name	Location ID				DU-10A			DU-10B			DU-10C			DU-10											
	Date Sampled				12/01/2011			12/02/2014			12/02/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL	
	Number of Increments				36			36			36									Student's T	Chebyshev				
	Preliminary Soil Remediation Goal (PSRG)				Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion				
Residential Health Based	Industrial Health Based	Site Specic Background	Site Specific RL for Surface Soil	Units																					
Acenaphthene	680,000	6,600,000	--	--	UG/KG	8	Y	J	2	N		2	N		4.0	3.5	20.8	5.2	2.0	High	9.8	12.7	120.0	0.0	12.7
Anthracene	3,400,000	34,000,000	--	--	UG/KG	17	Y	J	4	Y	J	8	Y	J	9.7	6.7	39.9	4.1	3.8	High	20.9	26.4	123.8	-66.7	26.4
Benzo(A)Anthracene	150	2,100	--	--	UG/KG	38	Y		22	Y		24	Y		28.0	8.7	52.3	1.9	5.0	Medium	42.7	49.9	53.3	-8.7	49.9
Benzo(B)Fluoranthene	150	2,100	--	--	UG/KG	44	Y		31	Y		33	Y		36.0	7.0	42.0	1.2	4.0	Low	47.8	53.6	34.7	-6.3	47.8
Benzo(G,H,I)Perylene	--	--	--	--	UG/KG	22	Y	J	17	Y	J	17	Y	J	18.7	2.9	17.3	0.9	1.7	Low	23.5	25.9	25.6	0.0	23.5
Benzo(K)Fluoranthene	1,500	21,000	--	--	UG/KG	23	Y	J	15	Y	J	15	Y	J	17.7	4.6	27.7	1.6	2.7	Medium	25.5	29.3	42.1	0.0	29.3
Benzo(A)Pyrene	15	210	--	--	UG/KG	33	Y		22	Y		25	Y		26.7	5.7	34.1	1.3	3.3	Low	36.3	41.0	40.0	-12.8	36.3
Chrysene	15,000	210,000	--	--	UG/KG	38	Y		20	Y		21	Y		26.3	10.1	60.7	2.3	5.8	Medium	43.4	51.8	62.1	-4.9	51.8
Dibenz(A,H)Anthracene	15	210	--	--	UG/KG	8	Y	J	6	Y	J	5	Y	J	6.3	1.5	9.2	1.4	0.9	Low	8.9	10.2	28.6	18.2	8.9
Fluoranthene	460,000	4,400,000	--	--	UG/KG	77	Y		34	Y		44	Y		51.7	22.5	135.0	2.6	13.0	Medium	89.6	108.3	77.5	-25.6	108.3
Fluorene	460,000	4,400,000	--	--	UG/KG	10	Y	J	2	N		4	Y	J	5.3	4.2	25.0	4.7	2.4	High	12.4	15.8	133.3	-66.7	15.8
Indeno (1,2,3-CD) Pyrene	150	2,100	--	--	UG/KG	19	Y	J	18	Y	J	15	Y	J	17.3	2.1	12.5	0.7	1.2	Low	20.8	22.6	5.4	18.2	20.8
Naphthalene	3,600	18,000	--	873,000	UG/KG	9	Y	J	2	N		2	N		4.3	4.0	24.2	5.6	2.3	High	11.1	14.5	127.3	0.0	14.5
Phenanthrene	--	--	--	--	UG/KG	64	Y	J	17	Y	J	30	Y	J	37.0	24.3	145.6	3.9	14.0	High	77.9	98.1	116.0	-55.3	98.1
Pyrene	340,000	3,400,000	--	--	UG/KG	58	Y		31	Y		37	Y		42.0	14.2	85.1	2.0	8.2	Medium	65.9	77.7	60.7	-17.6	77.7
PCB 1254	1,000	1,000	--	--	UG/KG	2	N		7.4	Y	J	6.4	Y	J	5.3	2.9	17.2	3.3	1.7	High	10.1	12.5	-114.9	14.5	12.5
Antimony	6.2	82	DL	406	MG/KG	0.155	Y	J	0.203	Y	J	0.587	Y	J	0.3	0.2	1.4	4.5	0.1	High	0.7	0.9	-26.8	-97.2	0.9
Arsenic	0.61	2.4	4.81	--	MG/KG	2.2	Y	J	2.49	Y	J	2.53	Y	J	2.4	0.2	1.1	0.4	0.1	Low	2.7	2.9	-12.4	-1.6	2.7
Barium	3,000	38,000	133	--	MG/KG	53.5	Y		63.4	Y		63	Y		60.0	5.6	33.6	0.6	3.2	Low	69.4	74.1	-16.9	0.6	69.4
Beryllium	32	400	2.7	--	MG/KG	1.36	Y		1.37	Y		1.24	Y		1.3	0.1	0.4	0.3	0.0	Low	1.4	1.5	-0.7	10.0	1.4
Chromium	24,000	100,000	5.16	--	MG/KG	8.07	Y	J	16.2	Y	J	12.2	Y	J	12.2	4.1	24.4	2.0	2.3	Medium	19.0	22.4	-67.0	28.2	22.4
Cobalt	4.6	60	14.7	304	MG/KG	3.28	Y		3.85	Y		4.93	Y		4.0	0.8	5.0	1.3	0.5	Low	5.4	6.1	-16.0	-24.6	5.4
Copper	620	8,200	3.72	--	MG/KG	6.45	Y	J	8.35	Y	J	8.67	Y	J	7.8	1.2	7.2	0.9	0.7	Low	9.8	10.8	-25.7	-3.8	9.8
Lead	400	800	20.5	--	MG/KG	17.6	Y	J	16.3	Y	J	20.8	Y	J	18.2	2.3	13.9	0.8	1.3	Low	22.1	24.1	7.7	-24.3	22.1
Mercury	2	3.1	0.0215	--	MG/KG	0.0323	Y	J	0.0335	Y	J	0.0423	Y	J	0.036	0.005	0.033	0.9	0.003	Low	0.045	0.050	-3.6	-23.2	0.045
Nickel	300	4,000	5.54	--	MG/KG	35.3	Y		58.3	Y		38.6	Y		44.1	12.4	74.6	1.7	7.2	Medium	65.0	75.4	-49.1	40.7	75.4
Selenium	78	1,000	DL	--	MG/KG	0.566	Y	J	0.496	Y	J	0.589	Y	J	0.550	0.048	0.291	0.5	0.028	Low	0.632	0.672	13.2	-17.1	0.632
Thallium	0.16	2	DL	10.1	MG/KG	0.349	Y	J	0.379	Y	J	0.369	Y	J	0.366	0.015	0.092	0.3	0.009	Low	0.391	0.404	-8.2	2.7	0.391
Tin	9,400	100,000	DL	--	MG/KG	3.57	Y	B	3.52	Y	B	3.54	Y	B	3.5	0.0	0.2	0.0	0.0	Low	3.6	3.6	1.4	-0.6	3.6
Vanadium	78	1,000	22.8	507	MG/KG	20.8	Y		22.9	Y		26.8	Y		23.5	3.0	18.3	0.8	1.8	Low	28.6	31.2	-9.6	-15.7	28.6
Zinc	4,600	62,000	49	--	MG/KG	44.1	Y	J	44	Y	J	47.1	Y	J	45.1	1.8	10.6	0.2	1.0	Low	48.0	49.5	0.2	-6.8	48.0

- Exceeds Residential PSRG
- Exceeds Industrial PSRG
- Exceeds Background
- Exceeds Residentail PSRG & Background
- Not Detected (1/2 the detection limit is reported)

APPENDIX E
CAMU 2H12 SAMPLING RESULTS

Table 1
2H2014 CAMU Groundwater Monitoring Data
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	Upgradient					Downgradient					
			NC 2L	NC IMAC		MW-216A	MW-216B	MW-106A	MW-107A	MW-107B	MW-213	R87-S10	R87-S10	R87-S8	R87-S9	
						Field Sample ID	GW2H14-MW-216A	GW2H14-MW-216B	GW2H14-MW-106A	GW2H14-MW-107A	GW2H14-MW-107B	GW2H14-MW-213	GW2H14-R87-S10	GW2H14-R87-S10-D	GW2H14-R87-S8	GW2H14-R87-S9
						Date Sampled	11/10/2014	11/10/2014	11/10/2014	11/11/2014	11/11/2014	11/12/2014	11/11/2014	11/11/2014	11/12/2014	11/12/2014
Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS						
<i>Volatile Organic Compounds</i>																
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	0.2 J	0.2 J	0.2 J	<0.1	<0.1	<0.1	<0.1		
1,1-Dichloroethene	75-35-4	UG/L	7			0.3 J	0.3 J	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1		
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Benzene	71-43-2	UG/L	1			<0.1	<0.1	0.3 J	0.5	<0.1	<0.1	<0.1	<0.1	<0.1		
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	0.3 J	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1		
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	0.7	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1		
Tetrachloroethene	127-18-4	UG/L	0.7			0.4 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1		
Trichlorofluoromethane	75-69-4	UG/L	2000			3.7	0.6	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1		
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	0.012 J	0.37	1.0	<0.010	0.16	<0.010	<0.010	0.16		
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1		
<i>Semivolatile Organic Compounds</i>																
1,4-Dioxane	123-91-1	UG/L	3			<1	1 J	3 J	3 J	<1	3 J	<1	<1	2 J		
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	0.052	<0.011	0.071	<0.011	<0.012	<0.010	<0.011	<0.011		
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.010	<0.011	0.072	<0.011	<0.012	<0.010	<0.011	<0.011		
Dibenzofuran	132-64-9	UG/L		28		<0.6	6	<0.5	<0.6	<0.5	<0.6	<0.5	<0.6	<0.5		
Fluorene	86-73-7	UG/L	300			<0.011	0.029 J	<0.011	0.012 J	<0.011	<0.012	<0.010	<0.011	<0.011		
Naphthalene	91-20-3	UG/L	6			<0.033	1.5	<0.032	2.1	<0.032	<0.035	<0.030	<0.034	<0.032		
Phenanthrene	85-01-8	UG/L	200			<0.033	0.033 J	<0.032	<0.033	<0.032	<0.035	<0.030	<0.034	<0.032		
Phenol	108-95-2	UG/L	30			<0.6	<0.5	0.7 J	2	<0.5	<0.6	<0.5	<0.6	<0.5		
<i>Dowtherm</i>																
Biphenyl	92-52-4	UG/L	400			<0.6	1100	<0.5	2	<0.5	<0.6	<0.5	<0.6	<0.5		
Diphenyl Ether	101-84-8	UG/L		100		<0.6	3100	32	52	<0.5	61	<0.5	<0.6	5		
<i>Inorganics</i>																
Barium	7440-39-3	UG/L	700			35.2	4.6 J	76.6	74.3	0.88 B	6.1 J	17.9	17.3	59.7		
Beryllium	7440-41-7	UG/L		4		0.82 J	<0.67	<0.67	<0.67	<0.67	1.2 J	<0.67	<0.67	<0.67		
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	1.6 J	1.5 J	<1.3	<1.3	<1.3	<1.3	<1.3		
Lead	7439-92-1	UG/L	15			0.14 J	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	0.62 J		
Thallium	7440-28-0	UG/L		0.2		0.16 J	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15		

Notes:
1 - Constituents detected in CAMU monitoring wells during 2H2014 monitoring event.
Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 2
Groundwater-to-Surface Water Evaluation, 2H2014

Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	No. of Samples	No. of Detects	Units	Perimeter Max Detect	Perimeter Avg Detect	15A NCAC 2B - FW Chronic ²	Other	15A NCAC 2B - Organism Only ²	NC 2L or IMAC	Screening Criteria ³	Exceed Criteria?
<i>Volatile Organic Compounds</i>											
1,1-Dichloroethane	7	3	UG/L	2.00E-01	2.00E-01		4.7E+01 (Region III)	1.00E+02		4.70E+02	No
1,1-Dichloroethene	7	1	UG/L	2.00E-01	2.00E-01	1.50E+03		7.10E+03		1.50E+04	No
1,4-Dichlorobenzene	7	1	UG/L	1.00E-01	1.00E-01	1.00E+02		1.90E+02		1.00E+03	No
Benzene	7	2	UG/L	5.00E-01	4.00E-01		5.3E+01 (Region IV)	5.10E+01		5.10E+02	No
cis-1,2 Dichloroethene	7	1	UG/L	3.00E-01	2.50E-01		5.9E+02 (Region III)	7.20E+02		7.20E+03	No
Ethyl Chloride	7	2	UG/L	7.00E-01	4.50E-01				3.00E+03	3.00E+04	No
Toluene	7	1	UG/L	2.00E-01	2.00E-01	1.10E+01			6.00E+02	1.10E+02	No
Trichlorofluoromethane	7	1	UG/L	2.00E-01	2.00E-01			6.70E+04		6.70E+05	No
Vinyl Chloride	7	4	UG/L	1.00E+00	4.23E-01		9.30E+02 (Region III)	2.40E+00		2.40E+01	No
Xylenes	7	1	UG/L	5.00E-01	5.00E-01	6.70E+02			5.00E+02	5.00E+03	No
<i>Semivolatile Organic Compounds</i>											
1,4-Dioxane	7	4	UG/L	3.00E+00	2.75E+00			8.00E+01		8.00E+02	No
2-Methylnaphthalene	7	1	UG/L	7.10E-02	7.10E-02		4.7E+00 (Region III)	8.00E+01		4.70E+01	No
Acenaphthene	7	1	UG/L	7.20E-02	7.20E-02	6.00E+01			8.00E+01	6.00E+02	No
Fluorene	7	1	UG/L	1.20E-02	1.20E-02	3.00E+01		5.30E+03		3.00E+02	No
Naphthalene	7	1	UG/L	2.10E+00	2.10E+00	1.20E+01			6.00E+00	6.00E+01	No
Phenol	7	2	UG/L	2.00E+00	1.35E+00	3.00E+02			3.00E+01	3.00E+02	No
<i>Dowtherm</i>											
Biphenyl	7	1	UG/L	2.00E+00	2.00E+00	1.80E+01		8.60E+02		1.80E+02	No
Diphenyl Ether	7	4	UG/L	6.10E+01	3.75E+01				1.00E+02	1.00E+03	No
<i>Inorganics</i>											
Barium	7	7	UG/L	7.66E+01	4.01E+01	LD		2.00E+05		2.00E+06	No
Beryllium	7	1	UG/L	1.20E+00	1.20E+00	6.50E+00			4.00E+00	4.00E+01	No
Chromium	7	2	UG/L	1.60E+00	1.55E+00	5.00E+01			1.00E+01	1.00E+02	No
Lead	7	1	UG/L	6.20E-01	6.20E-01	2.50E+01			1.50E+01	1.50E+02	No

Notes:

- 1 - Constituents detected in CAMU monitoring wells during 2H2014 monitoring event.
Field duplicates included in statistical summary.
- 2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 3
2H2014 CAMU Surface Water Monitoring Data

Former DuPont Brevard Facility
 Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	15A NCAC 2B - FW Chronic	15A NCAC 2B - Organism Only	15A NCAC 2B - Trout Waters	Location ID	SW-5	SW-5	SW-6	SW-6	SW-6
							Field Sample ID	GW2H14-SW-5	GW2H14-SW-5-Z	GW2H14-SW-6	GW2H14-SW-6-D	GW2H14-SW-6-Z
							Date Sampled	10/30/2014	10/30/2014	10/30/2014	10/30/2014	10/30/2014
							Sample Purpose	FS	FS	FS	DUP	FS
<i>Inorganics</i>						No Value						
Barium	7440-39-3	N	UG/L		200000	No Value		8.0 J		5.6 J		6.0 J
Barium	7440-39-3	Y	UG/L		200000	No Value			5.5 J			5.3 J
Calcium	7440-70-2	N	UG/L			No Value		2670 B		1080 B		2060 B
Iron	7439-89-6	N	UG/L	1000		No Value		653		299. J		310. J
Iron	7439-89-6	Y	UG/L	1000		No Value			268. J			206. J
Lead	7439-92-1	N	UG/L	25		No Value		0.19 J		<0.082		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082			<0.082
Magnesium	7439-95-4	N	UG/L			No Value		481		393		404
Manganese	7439-96-5	N	UG/L			No Value		53.2		26.3		26.9
Manganese	7439-96-5	Y	UG/L			No Value			33.9			17.8
Zinc	7440-66-6	N	UG/L	50		No Value		2.9 B		4.3 B		3.0 B
Zinc	7440-66-6	Y	UG/L	50		No Value			4.4 B			4.0 B
Total Hardness As CaCO3	471-34-1	N	UG/L					8600 B		4300 B		6800 B
Total Suspended Solids	C009	N	UG/L					37600		<1000		

B - Not detected substantially above the level reported in the laboratory or fieldblanks.

J - Analyte present. Reported value may not be accurate or precise.

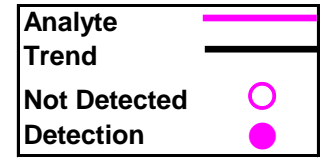
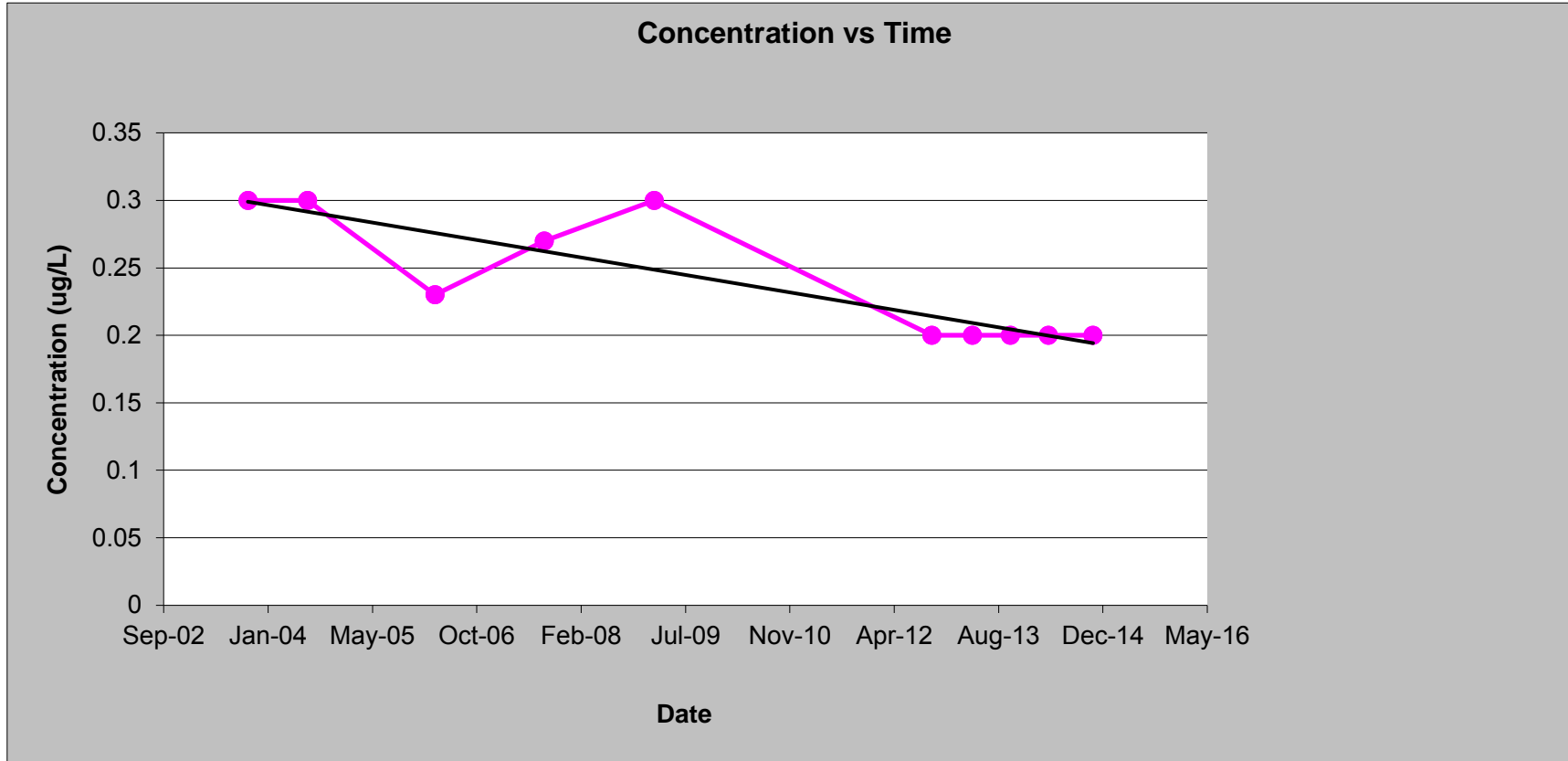
UJ - Not detected. Reporting limit may not be accurate or precise.

North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health
 (organism only) and aquatic life

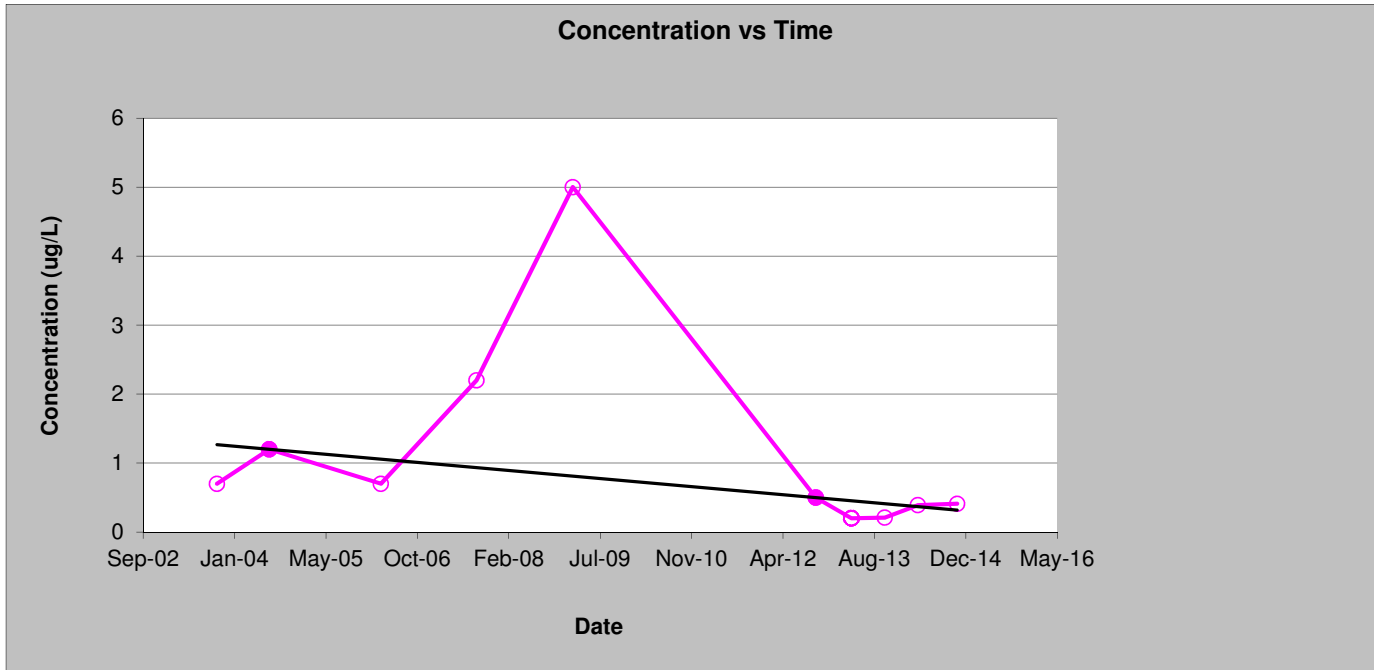
Little River is a Class C water and is not used as a water supply.

Indicates exceedance of a screening level.

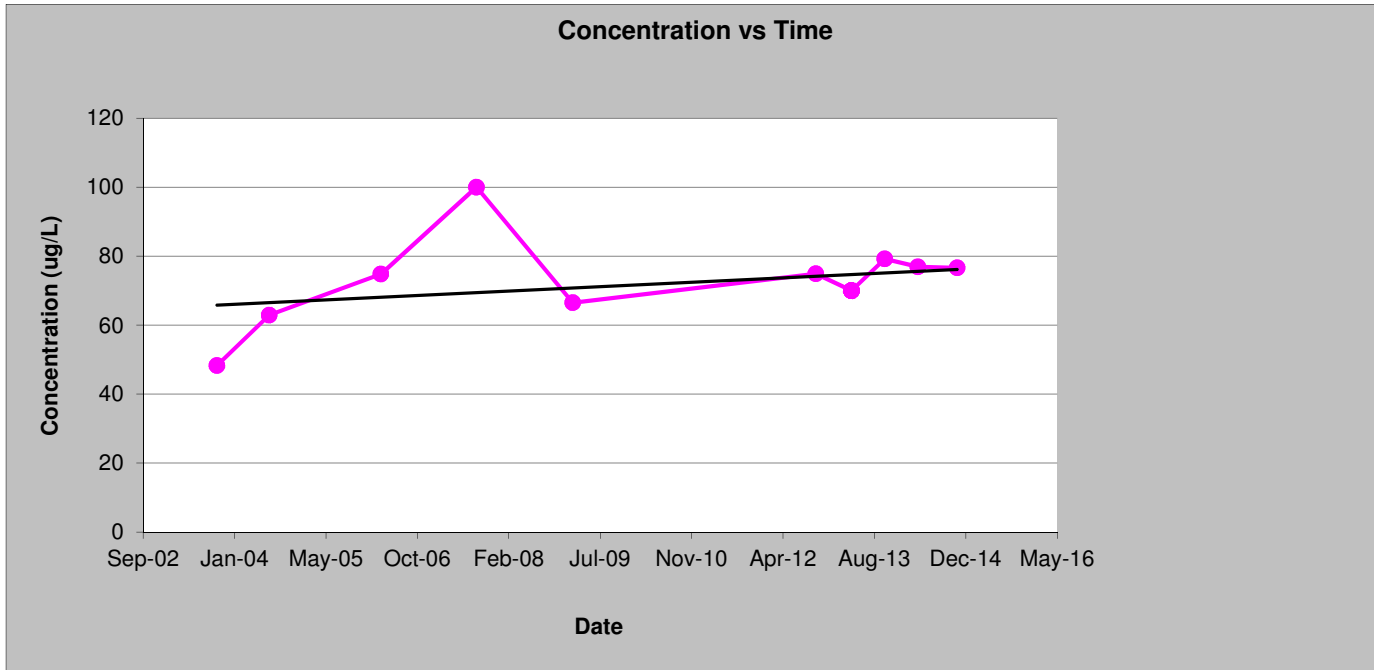
MW-106A
1,1 Dichloroethane
DuPont Brevard Site



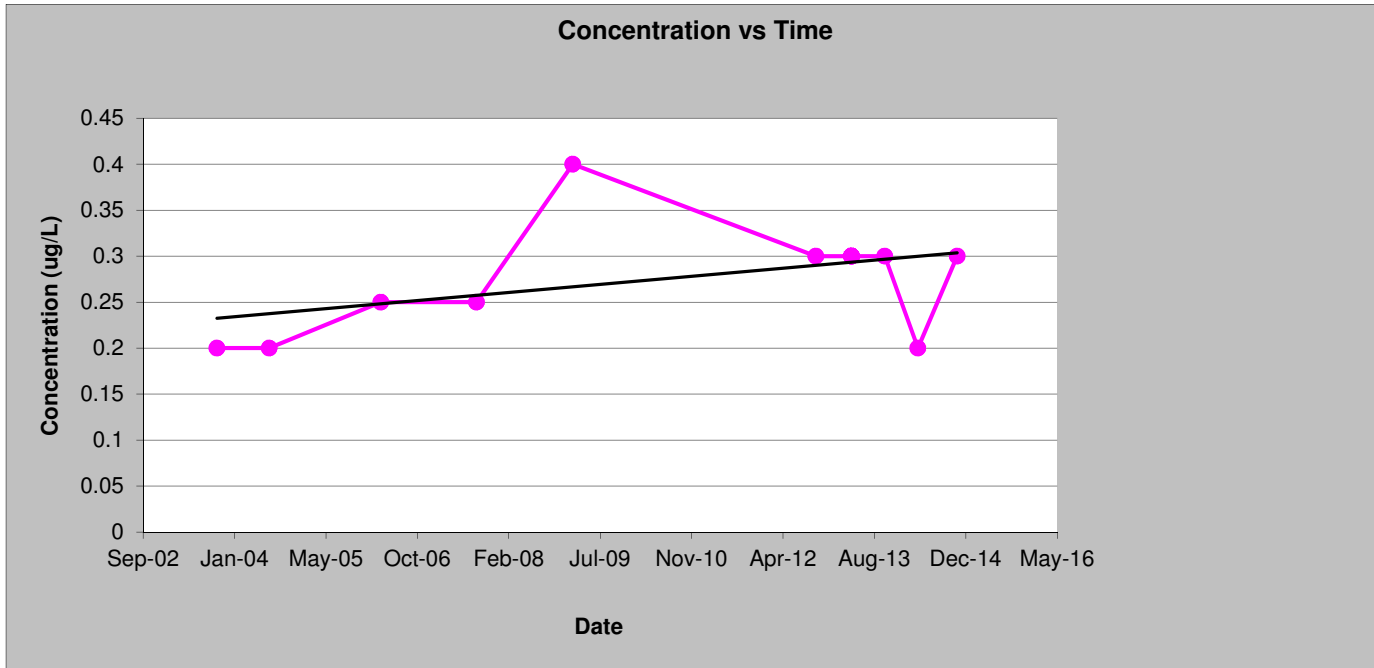
MW-106A
Arsenic
DuPont Brevard Site



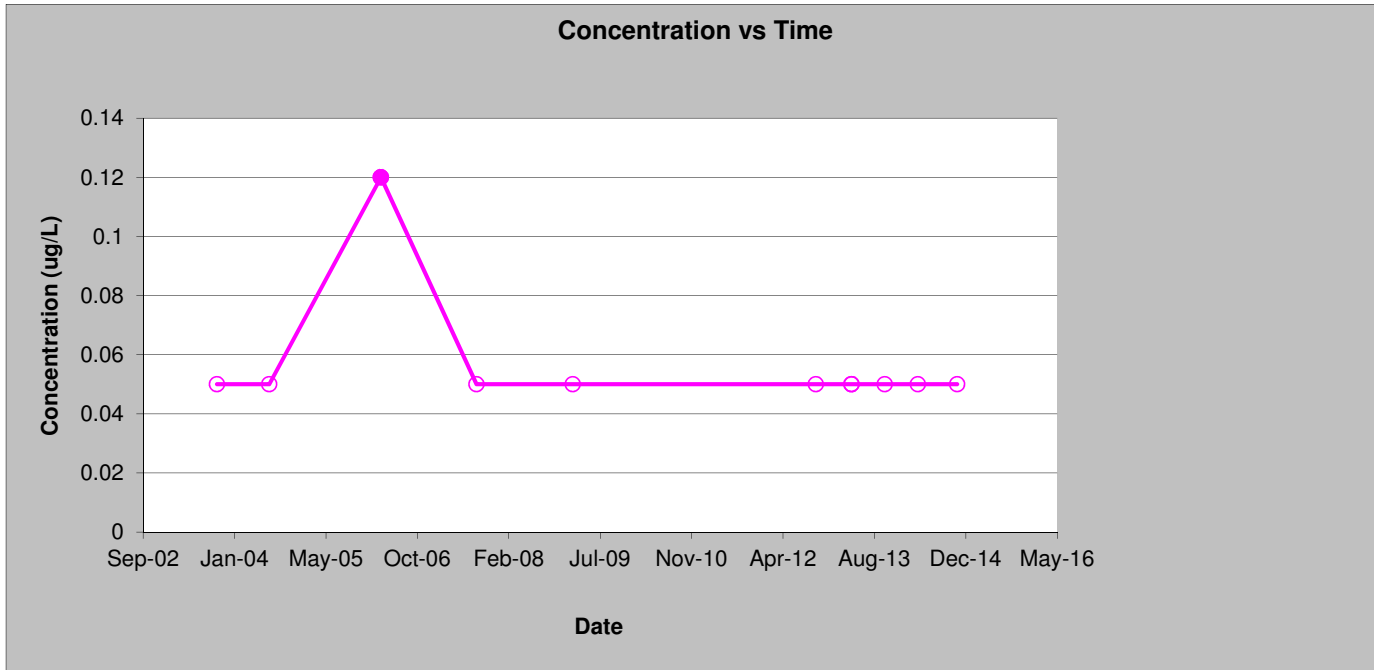
MW-106A
Barium
DuPont Brevard Site



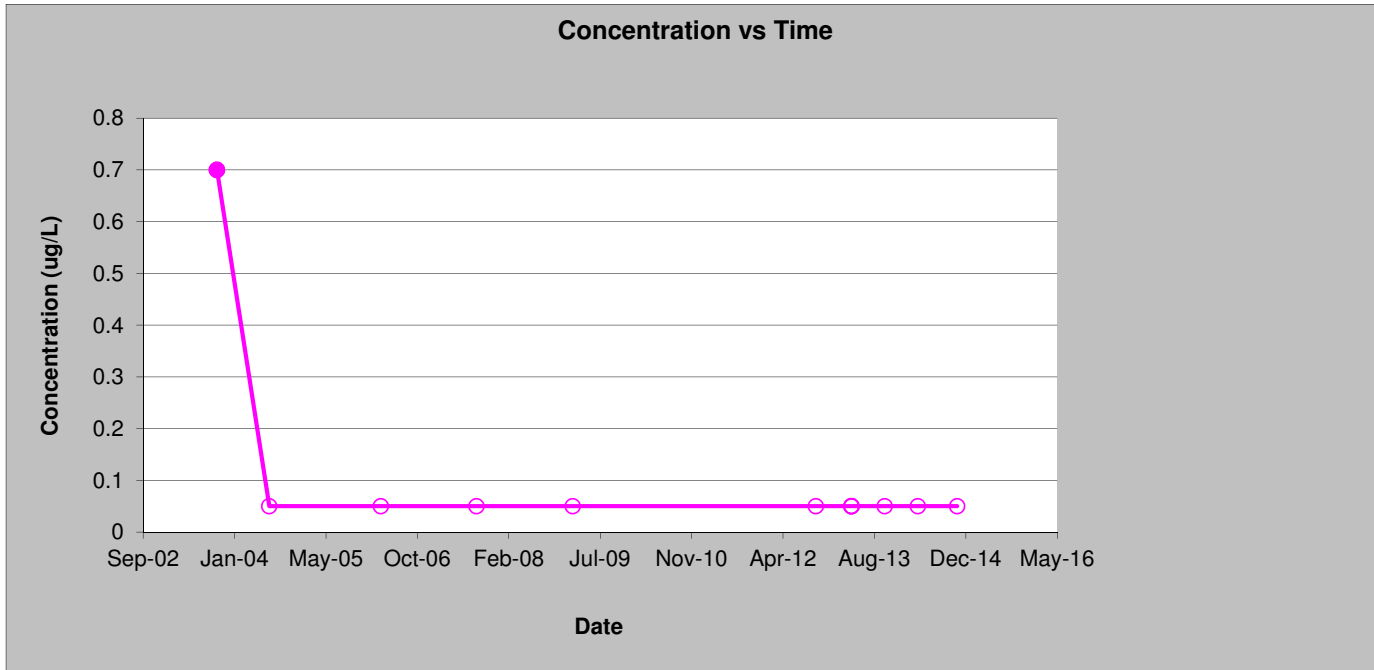
MW-106A
Benzene
DuPont Brevard Site



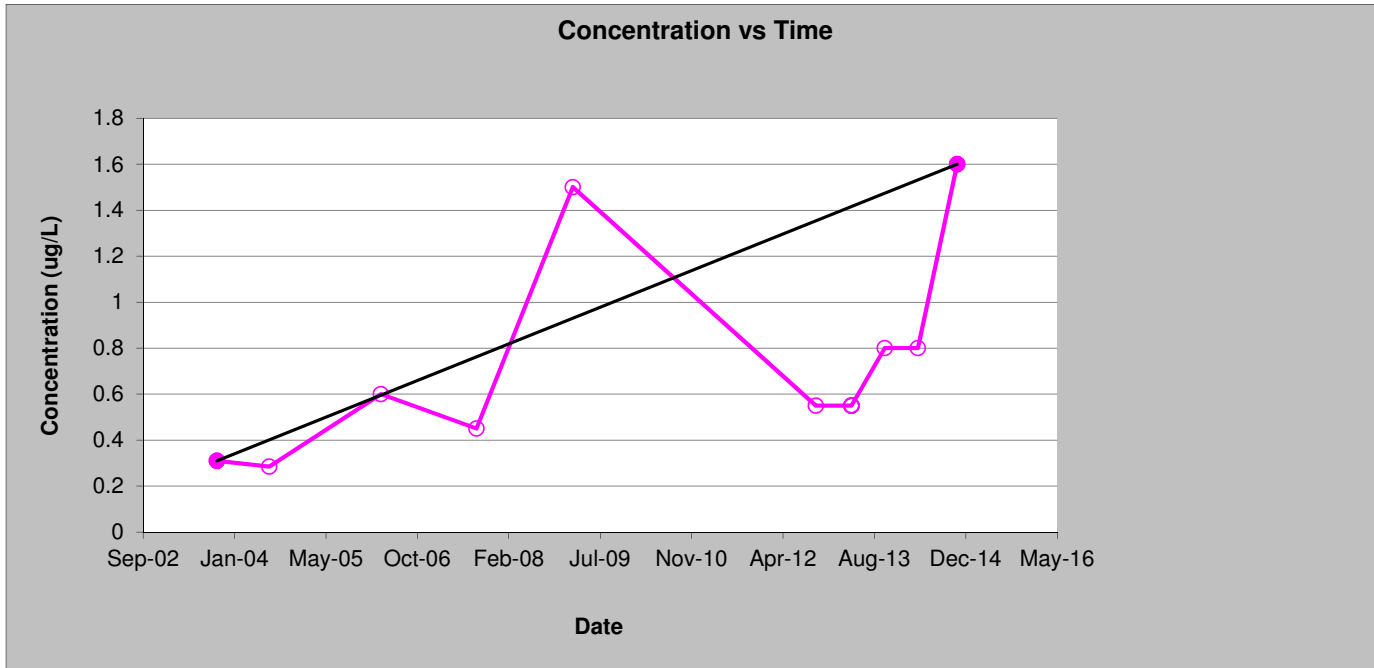
MW-106A
Bromoform
DuPont Brevard Site



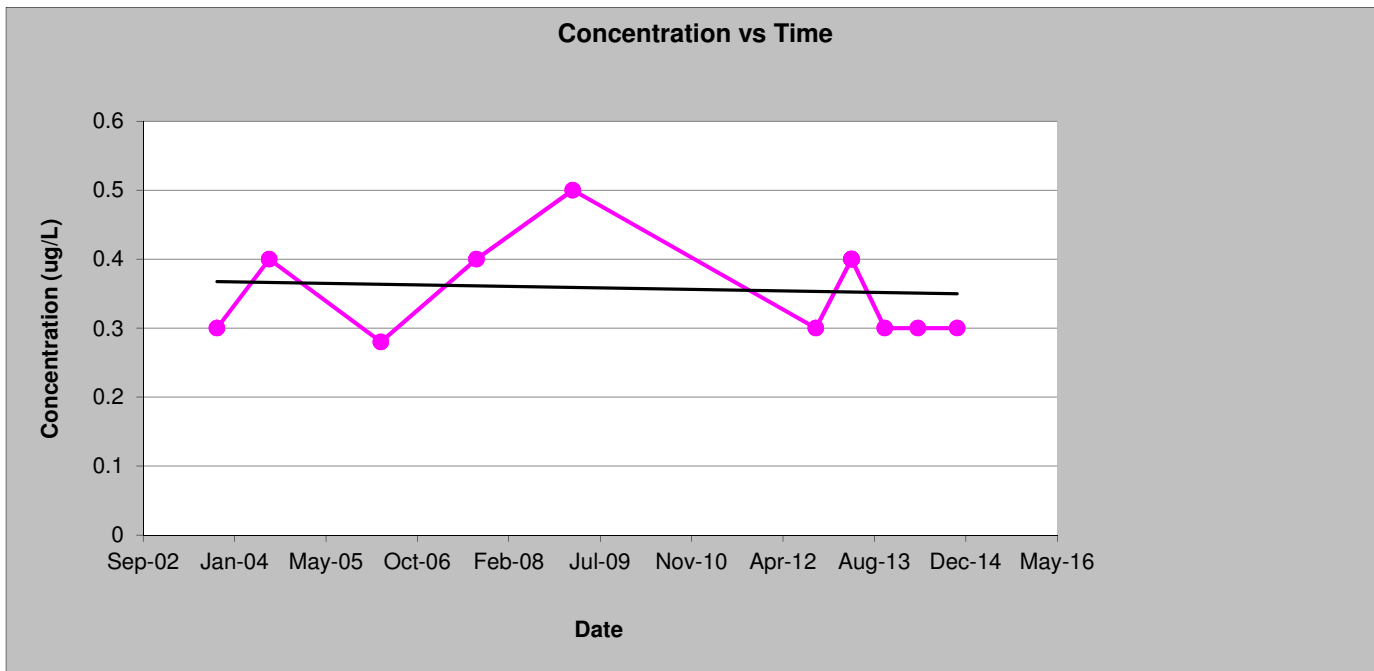
MW-106A
Chloroform
DuPont Brevard Site



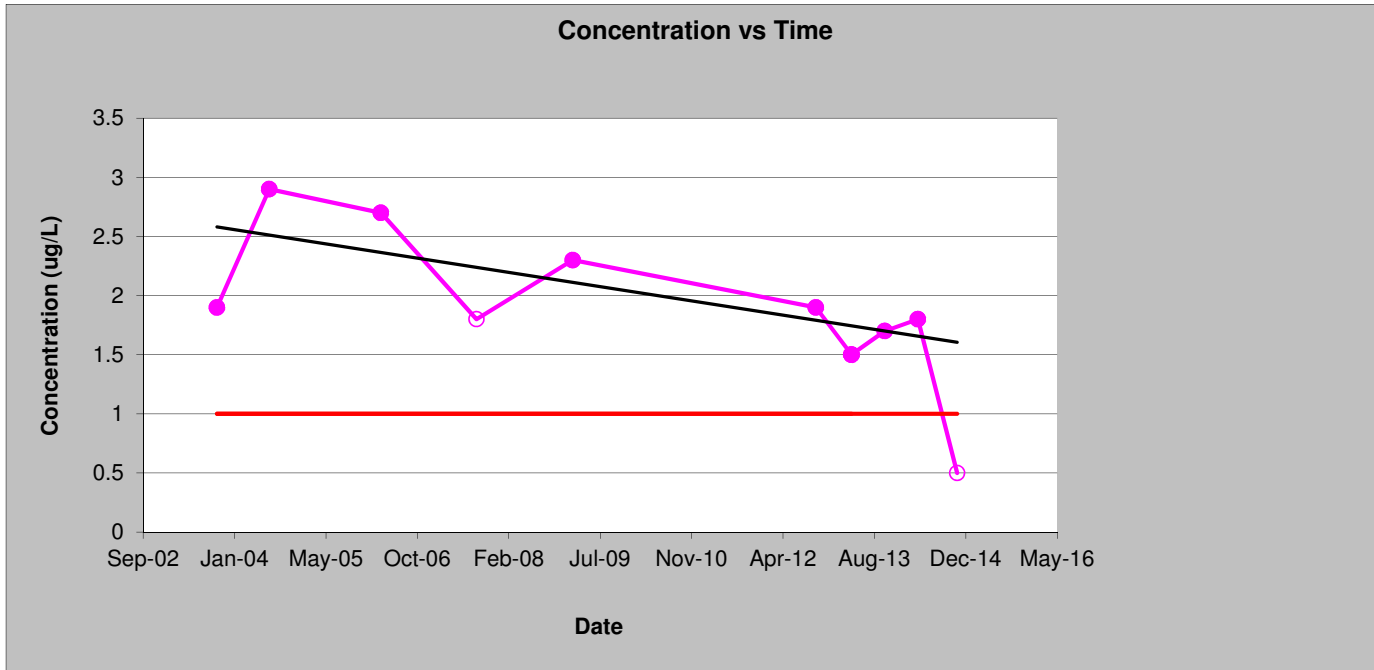
MW-106A
Chromium
DuPont Brevard Site



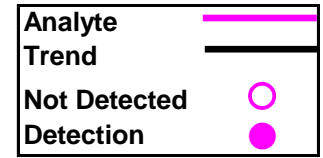
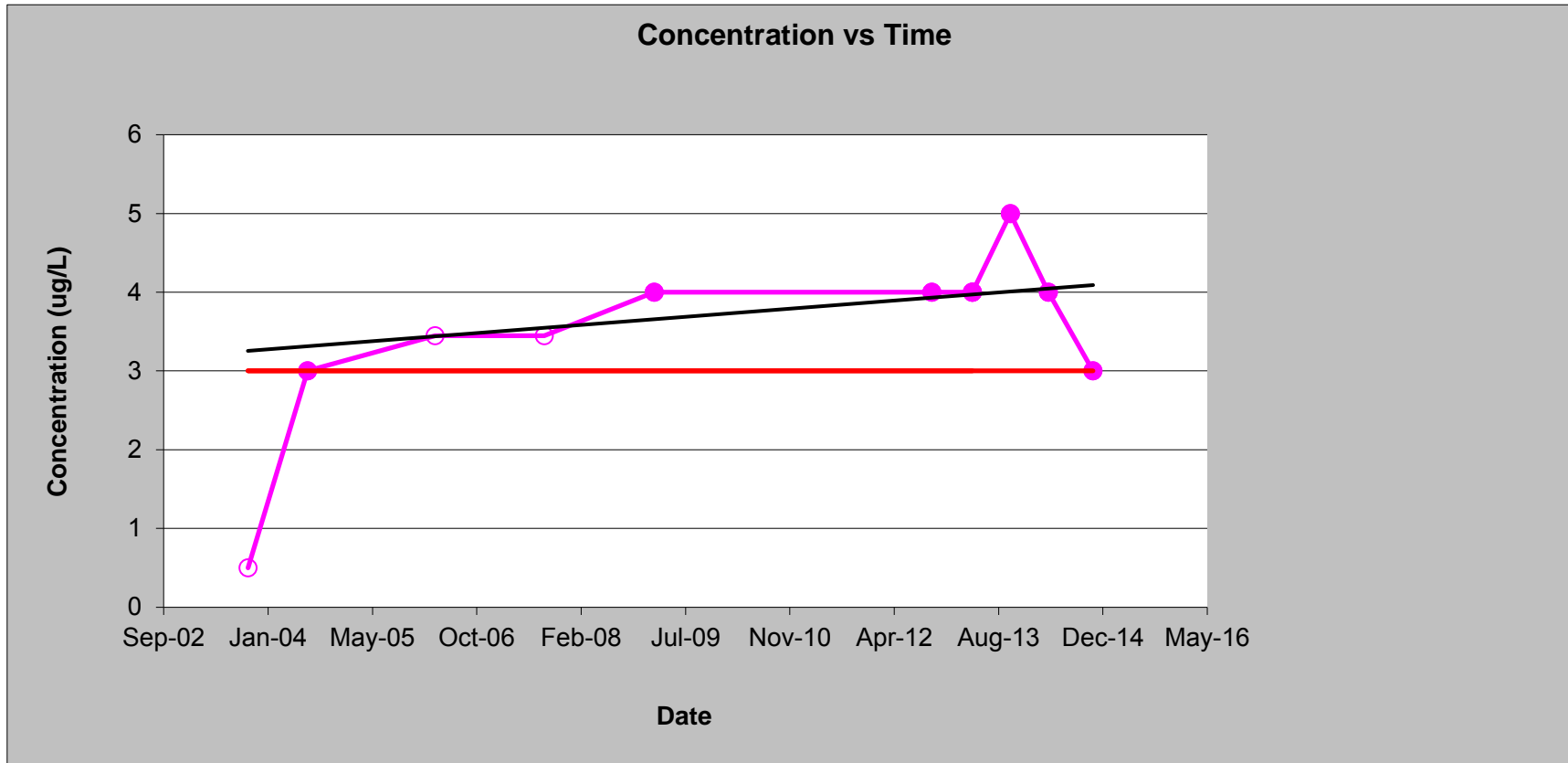
MW-106A
cis-1,2 Dichloroethene
DuPont Brevard Site



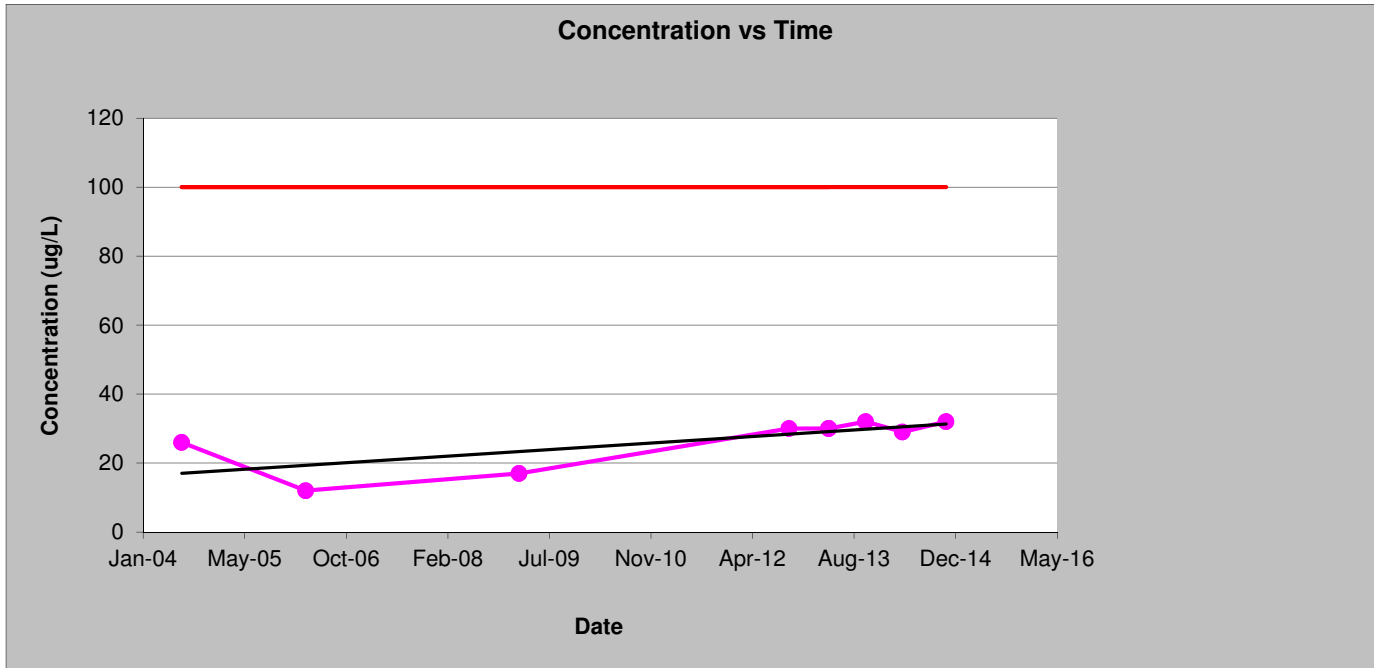
MW-106A
Cobalt
DuPont Brevard Site



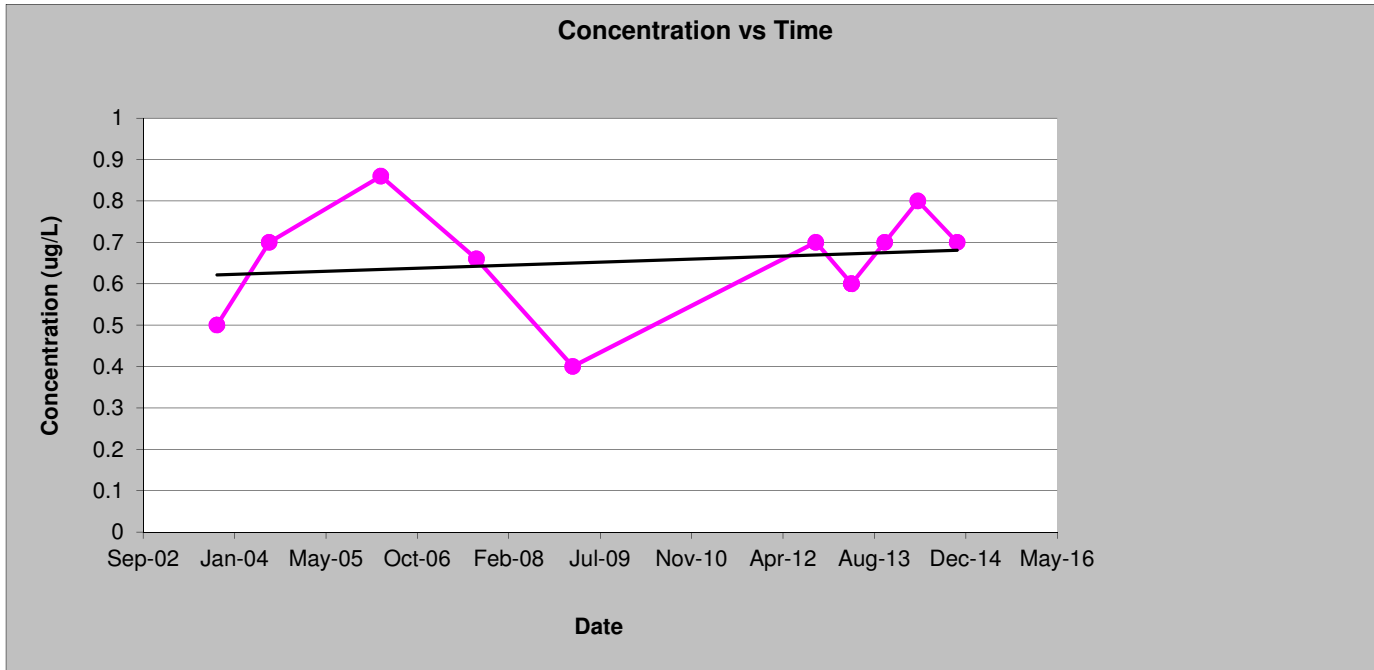
MW-106A
1,4-Dioxane
DuPont Brevard Site



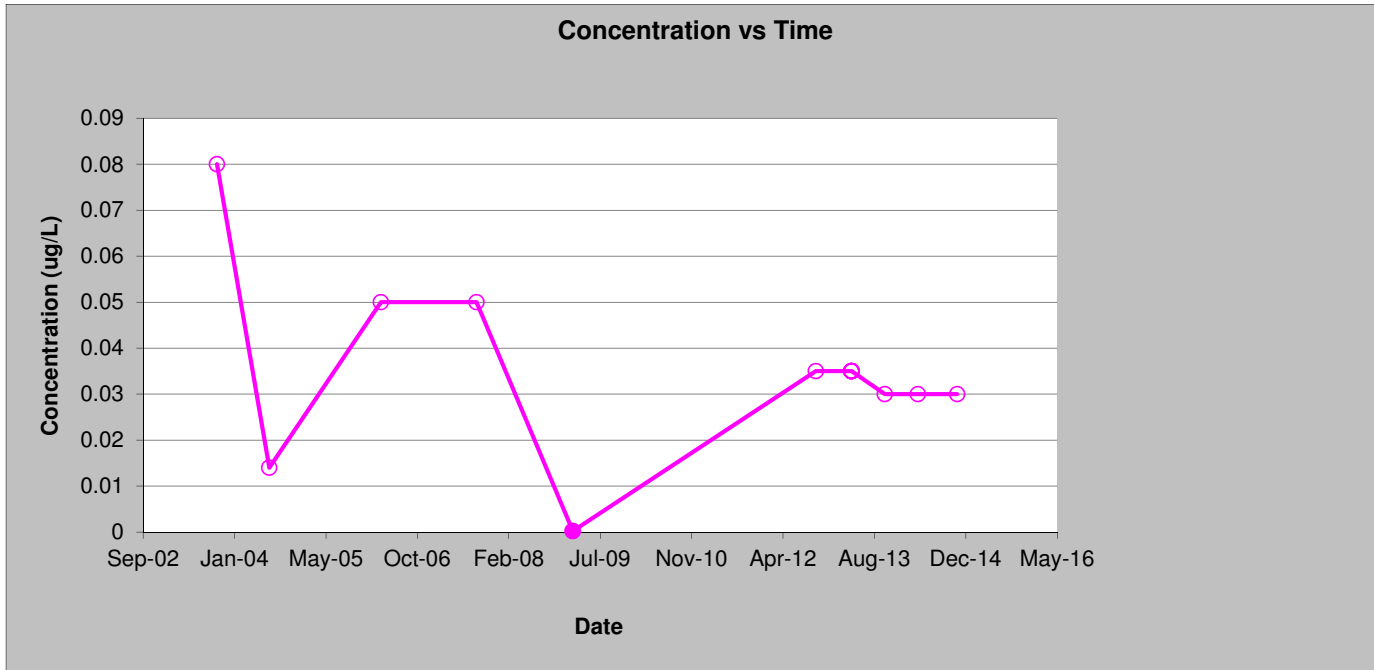
MW-106A
1,1'-Oxybisbenzene
DuPont Brevard Site



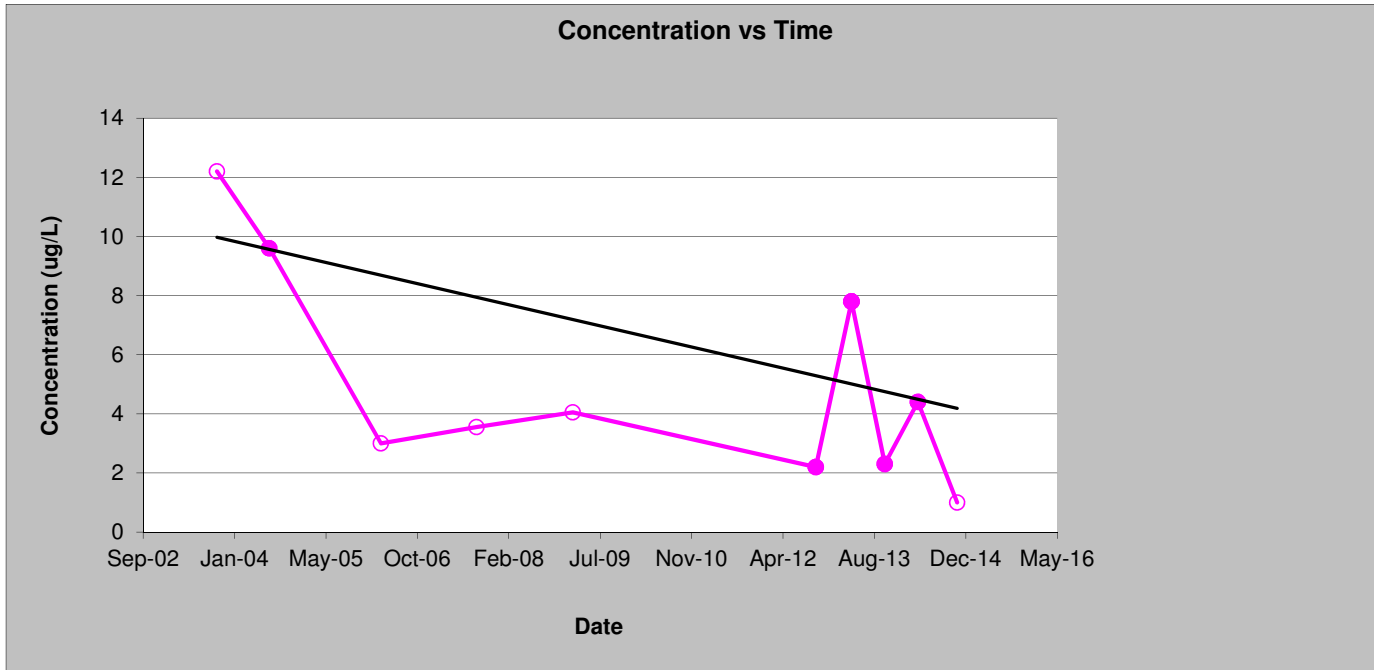
MW-106A
Ethyl Chloride
DuPont Brevard Site



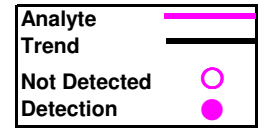
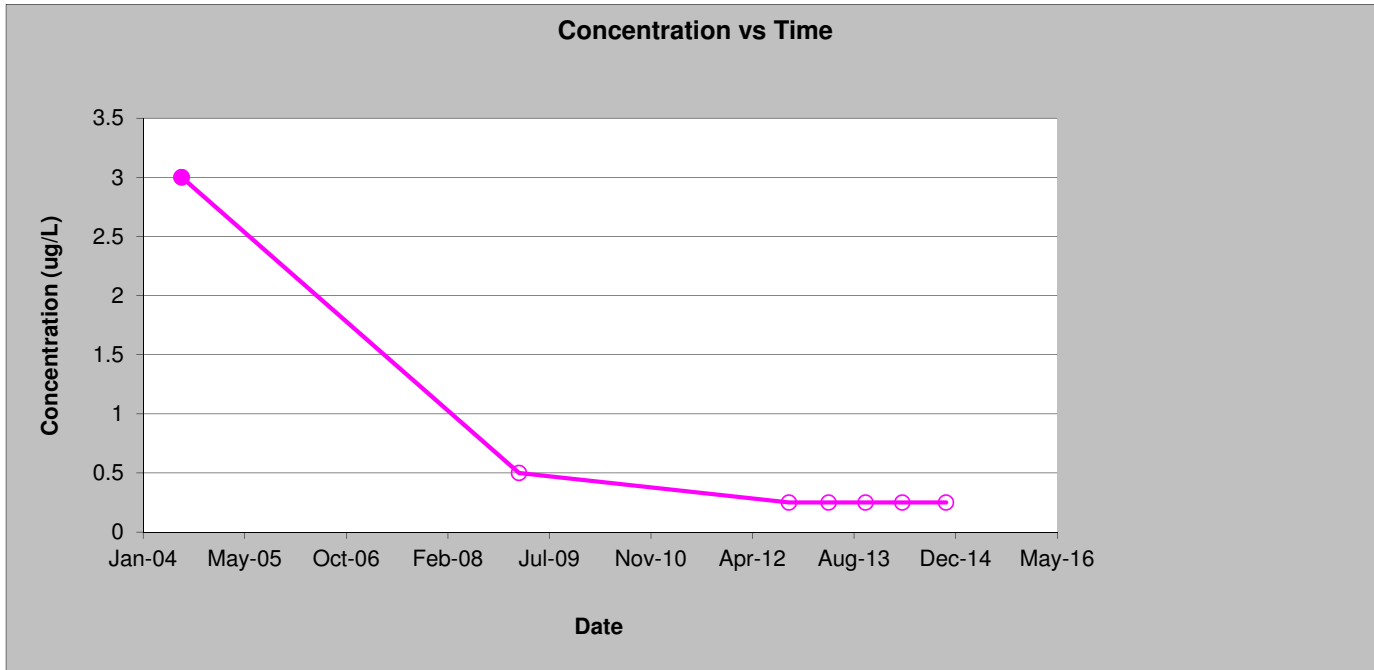
MW-106A
Mercury
DuPont Brevard Site



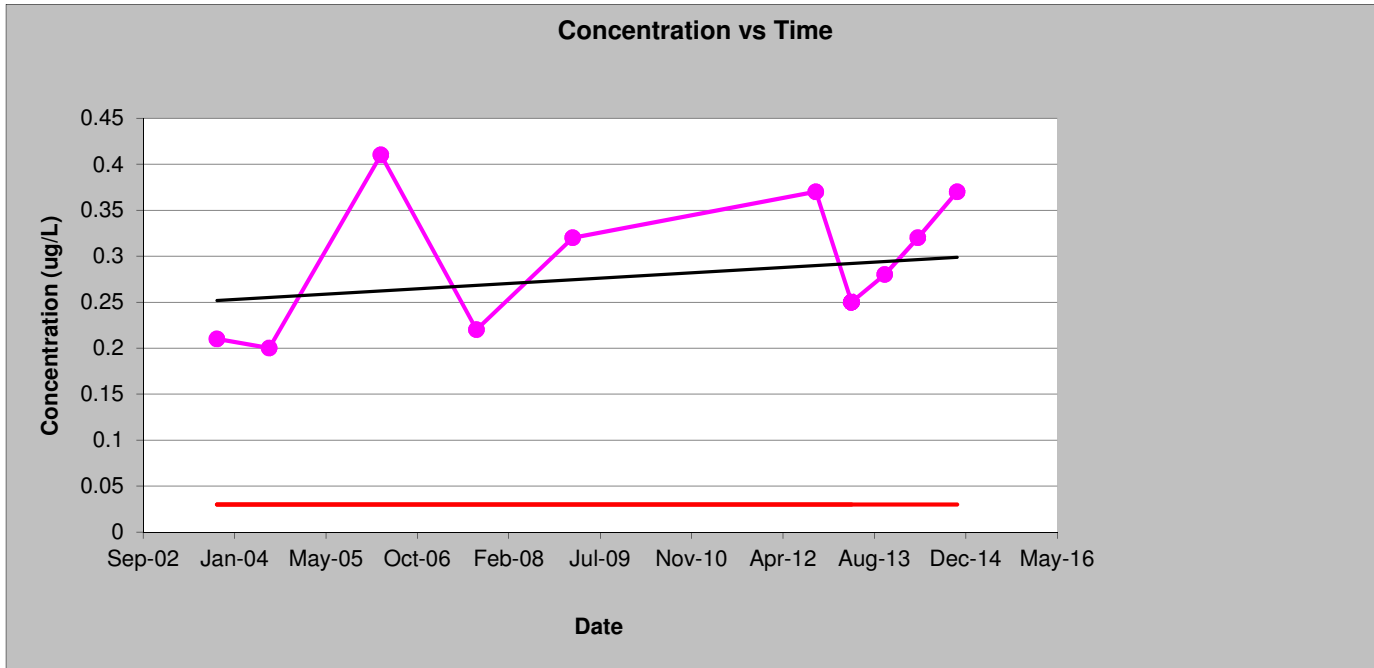
MW-106A
Zinc
DuPont Brevard Site



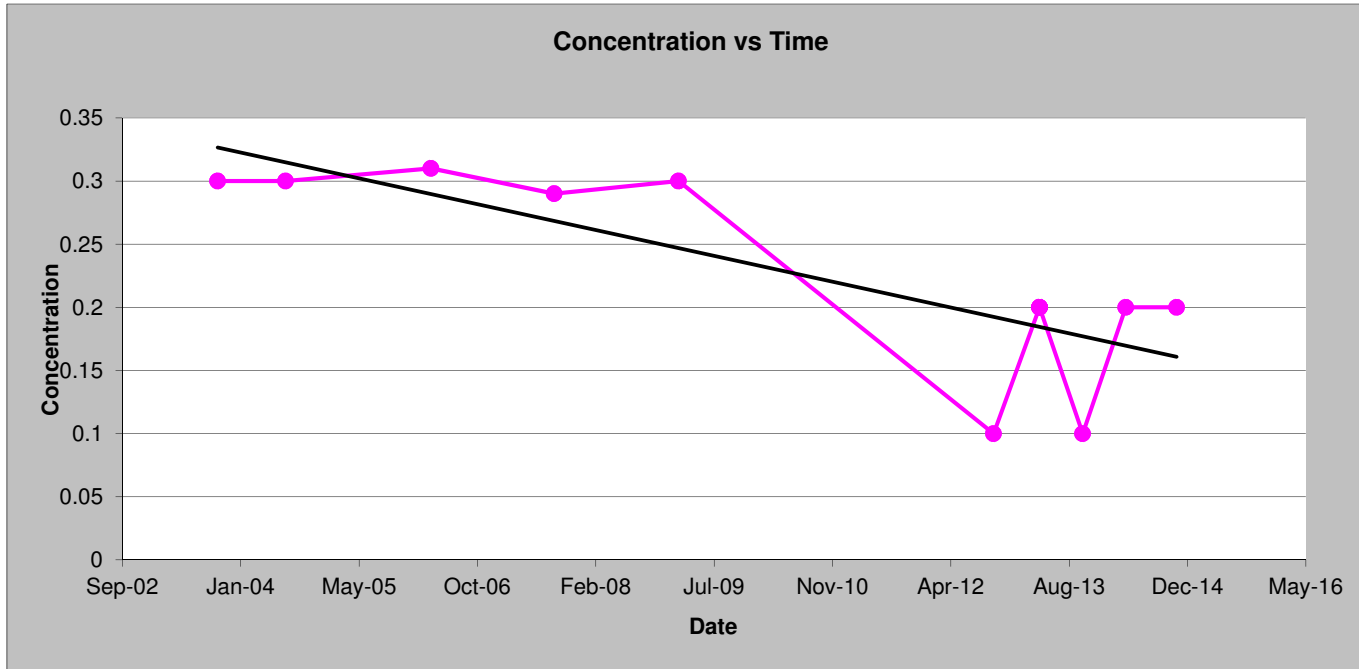
MW-106A
Biphenyl
DuPont Brevard Site



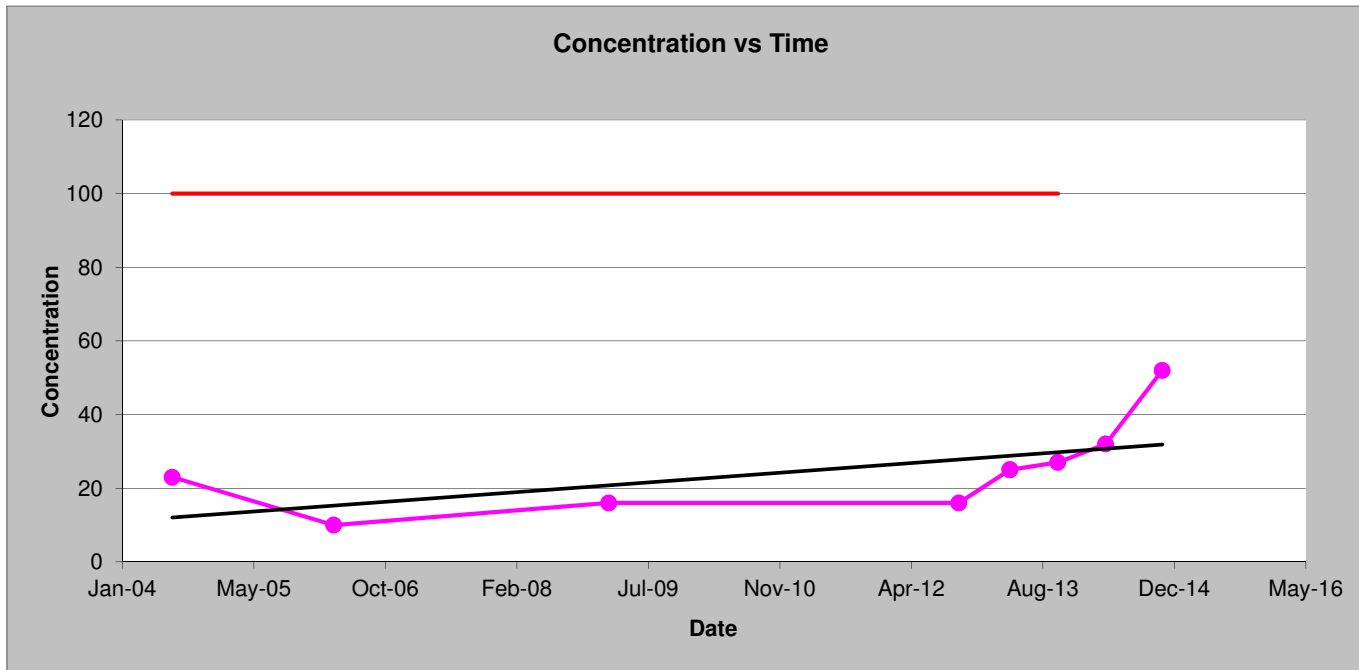
MW-106A
Vinyl Chloride
DuPont Brevard Site



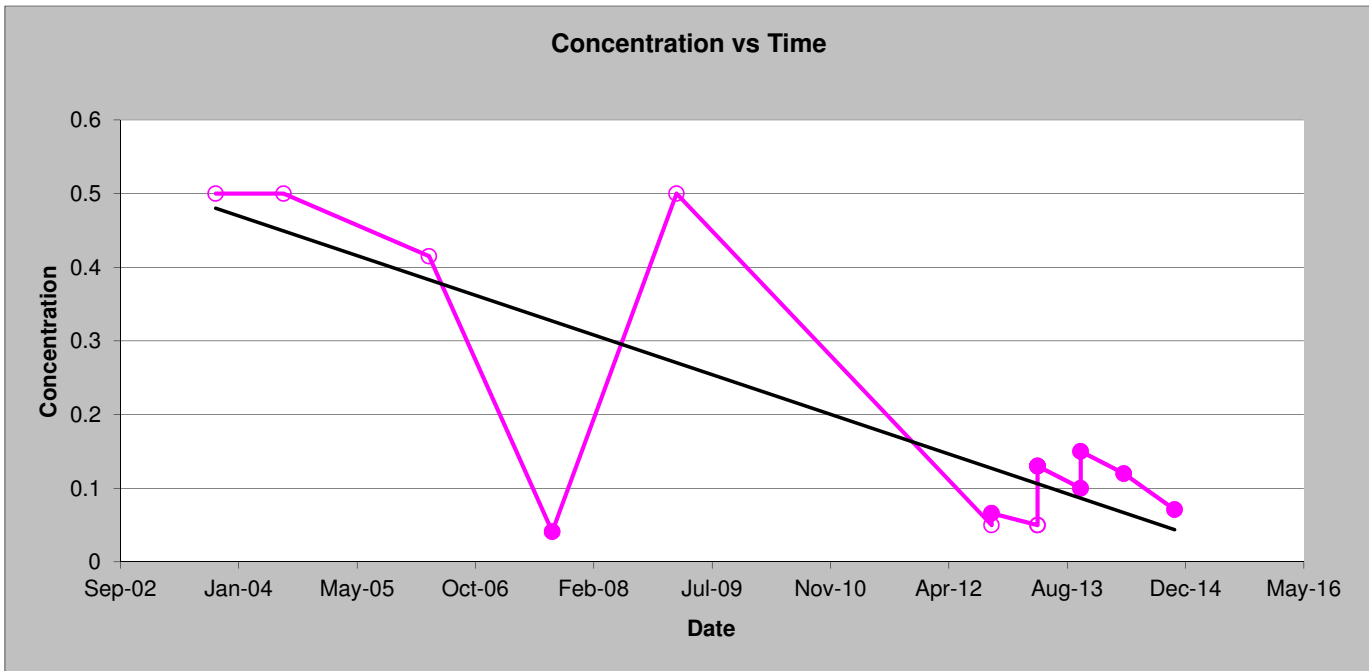
MW-107A
1,1-Dichloroethane
DuPont Brevard Site



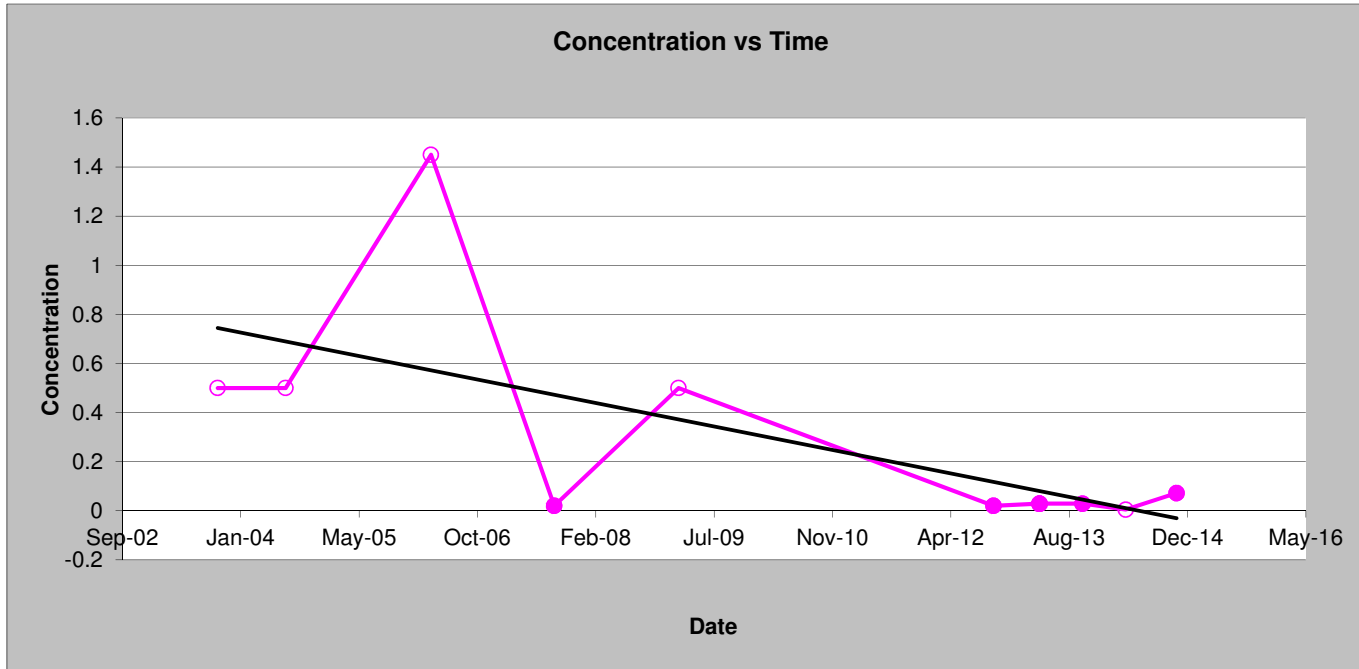
MW-107A
1,1'-Oxybisbenzene
DuPont Brevard Site



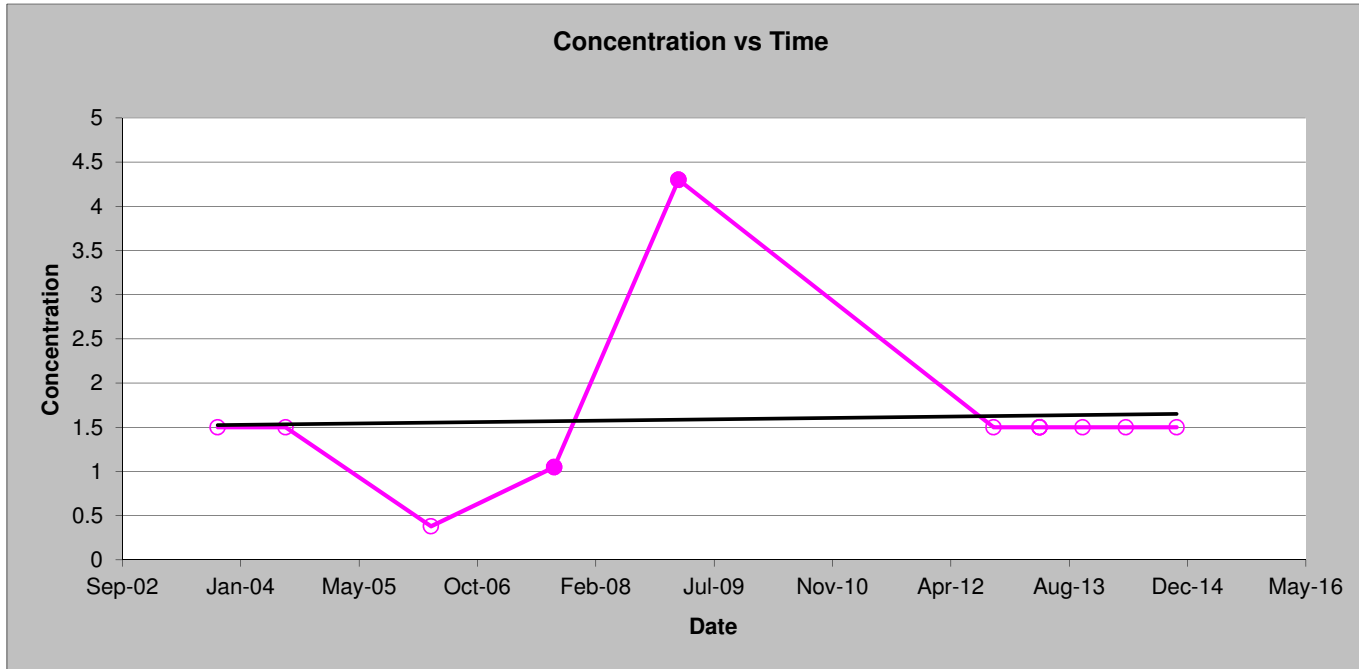
MW-107A
2-Methylnaphthalene
DuPont Brevard Site



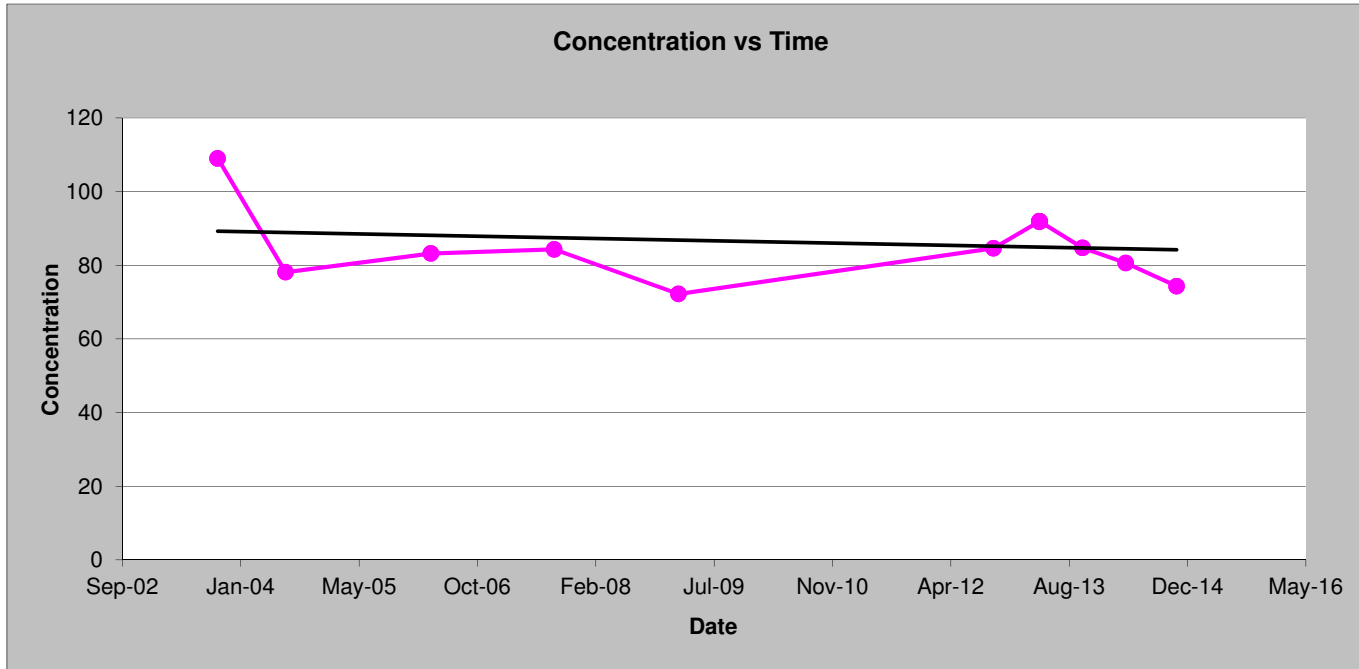
MW-107A
Acenaphthene
DuPont Brevard Site



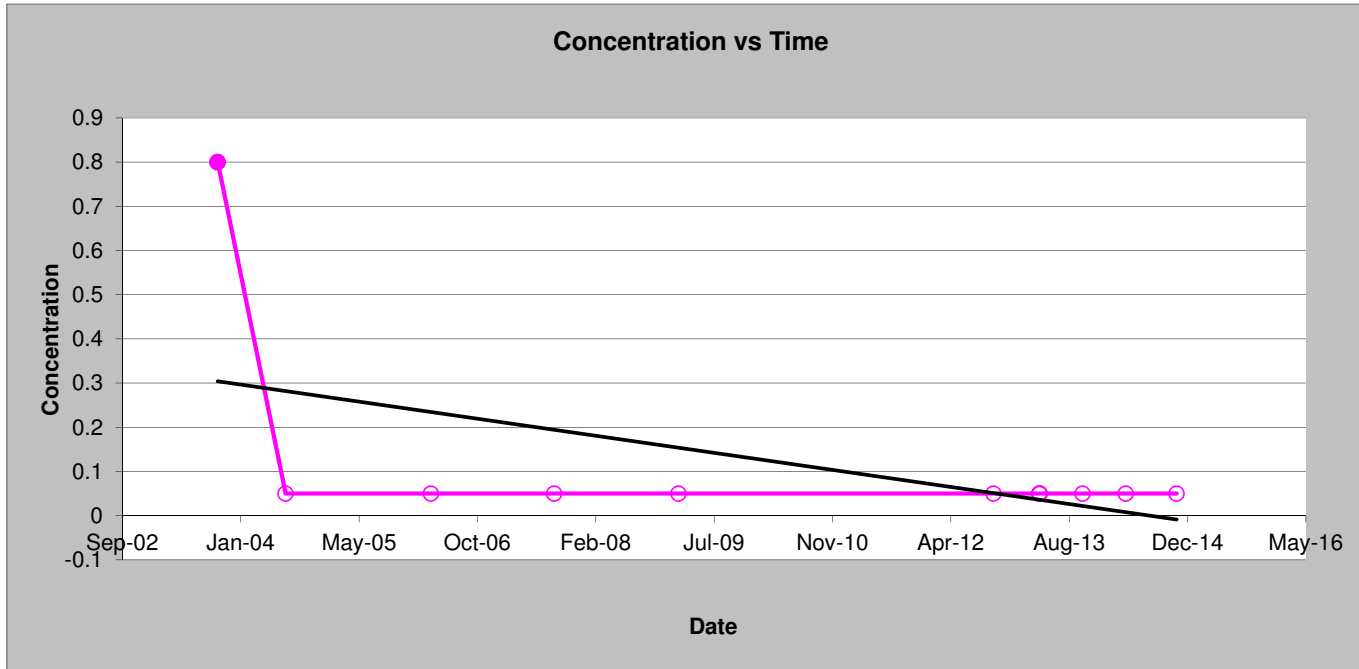
MW-107A
Acetone
DuPont Brevard Site



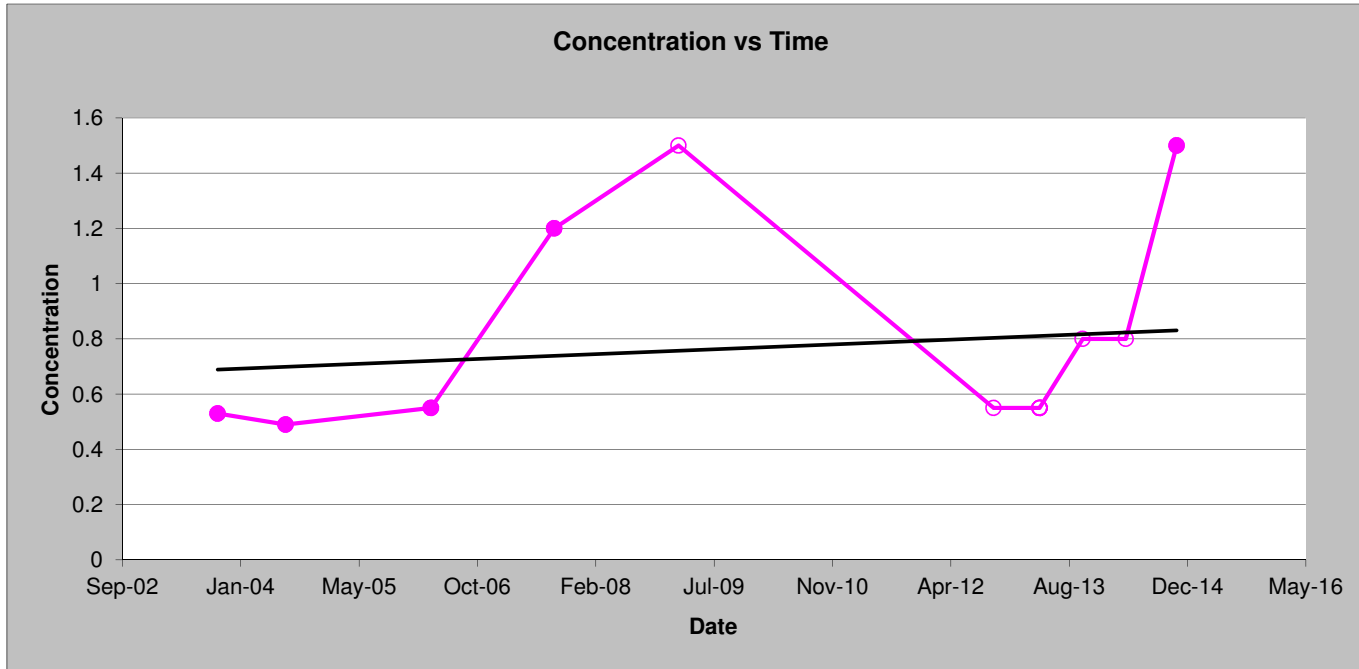
MW-107A
Barium
DuPont Brevard Site



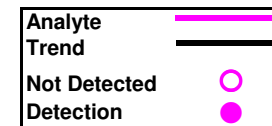
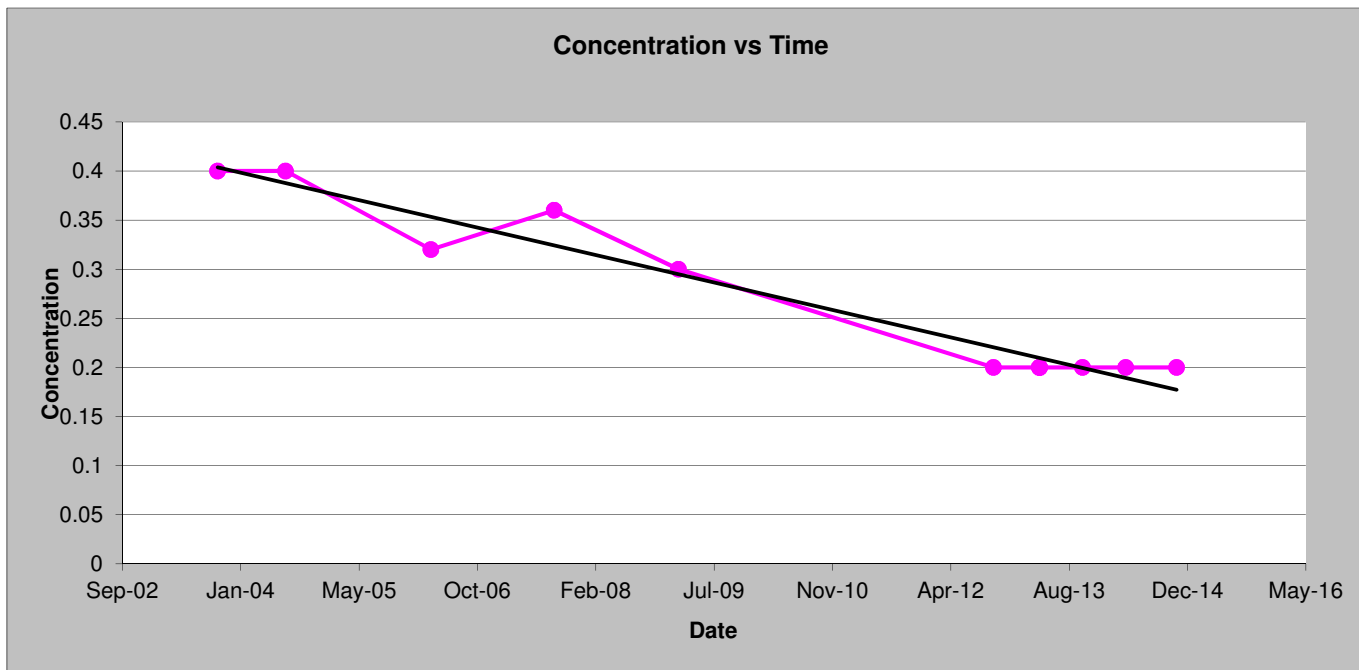
MW-107A
Chloroform
DuPont Brevard Site



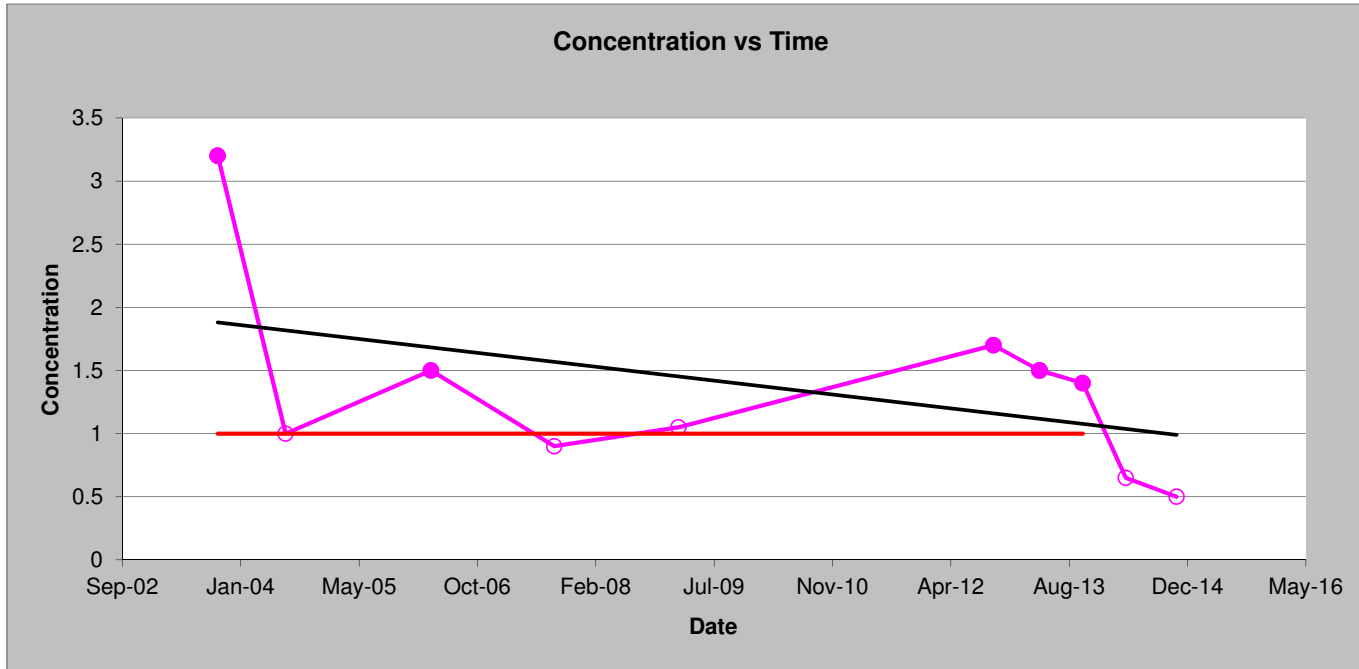
MW-107A
Chromium
DuPont Brevard Site



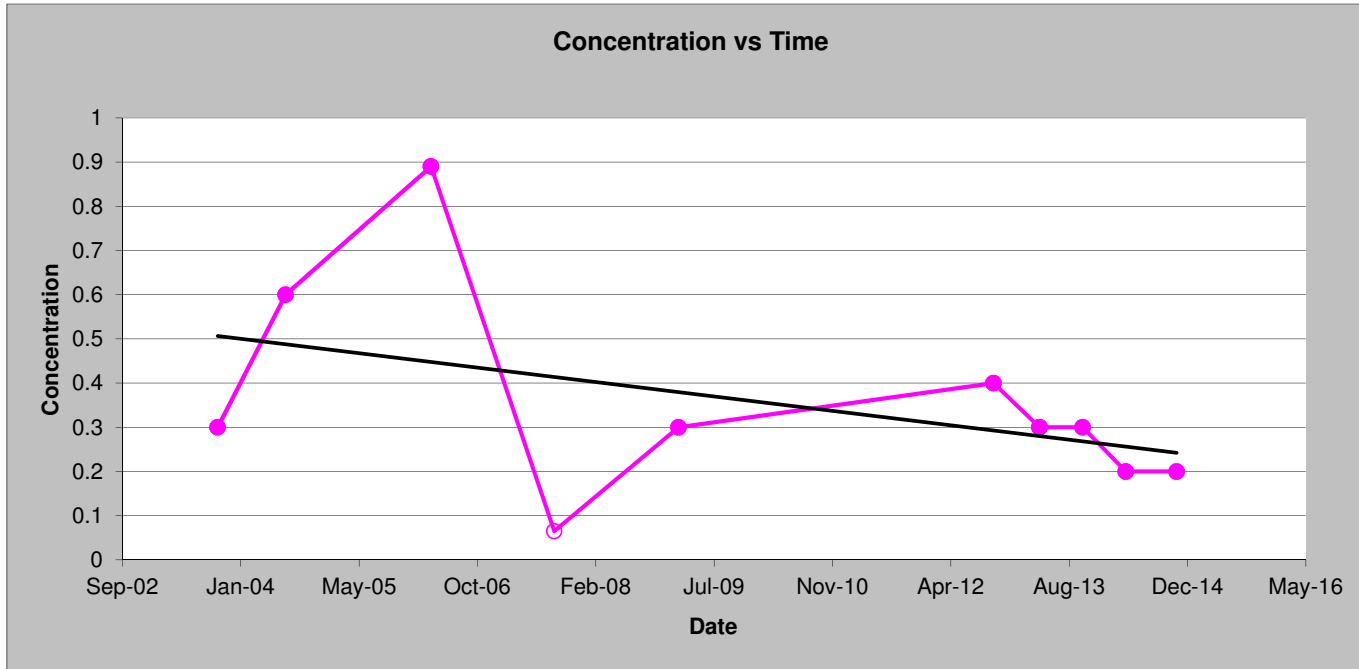
MW-107A
cis-1,2 Dichloroethene
DuPont Brevard Site



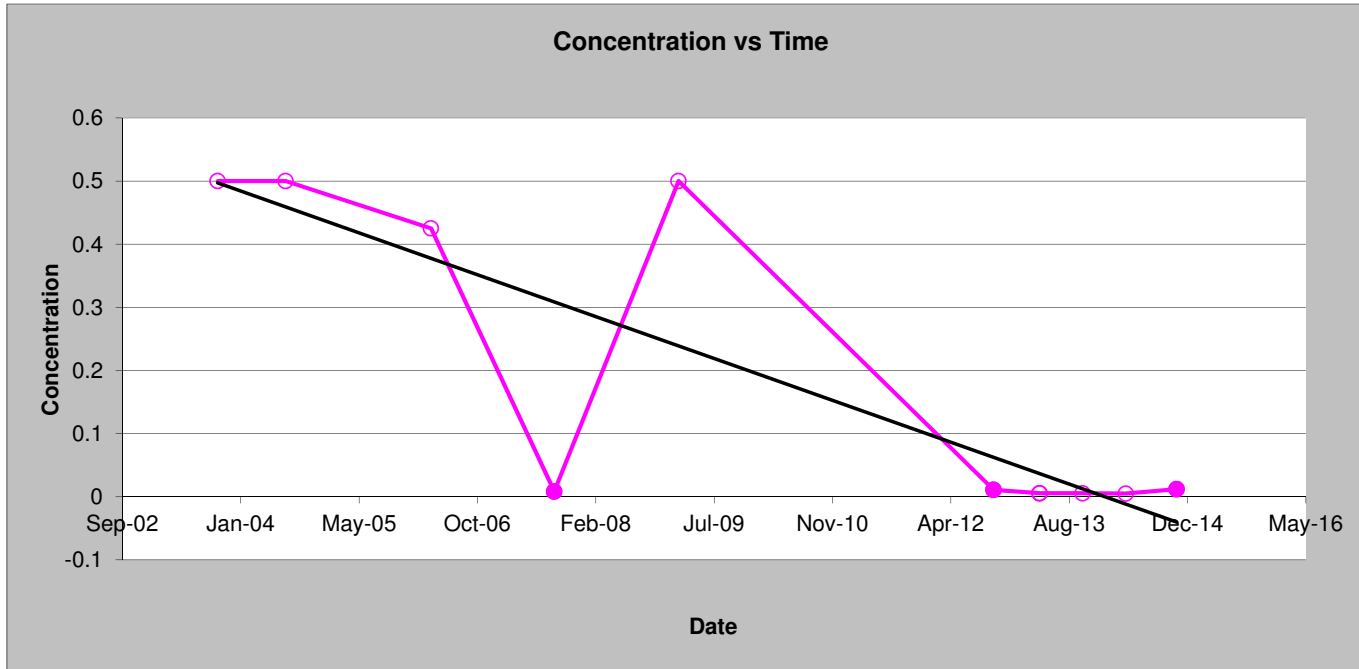
MW-107A
Cobalt
DuPont Brevard Site



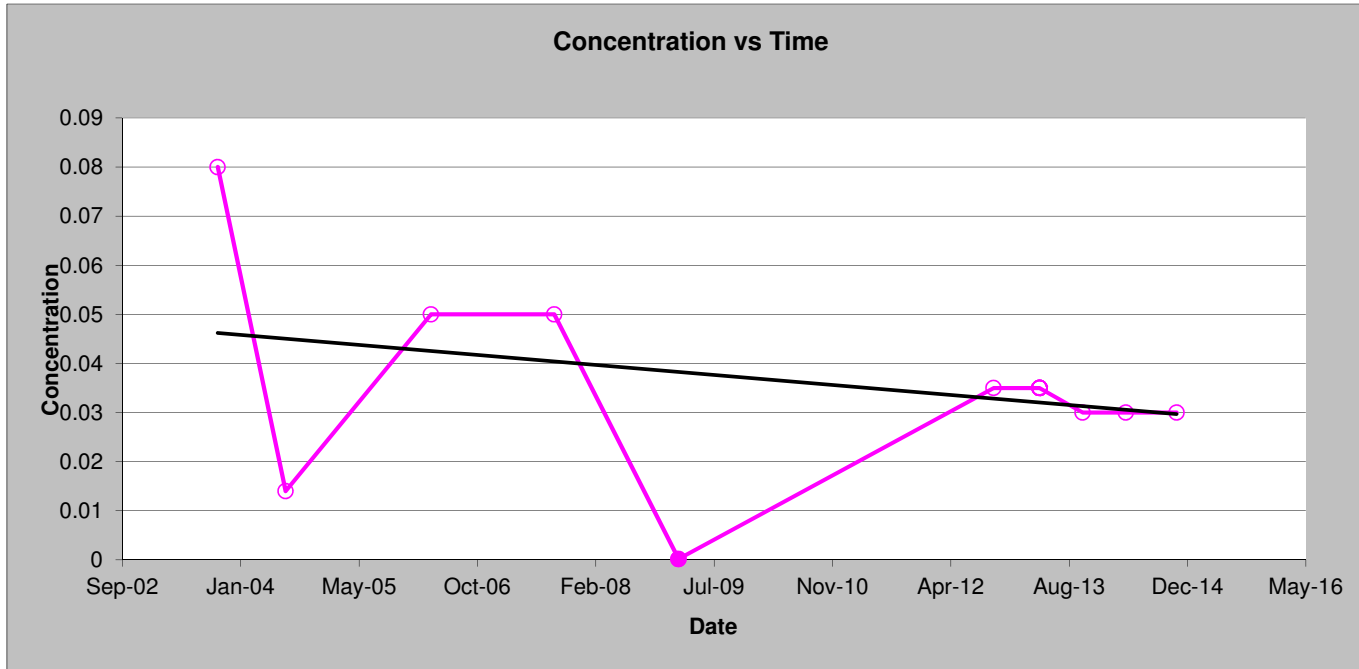
MW-107A
Ethyl Chloride
DuPont Brevard Site



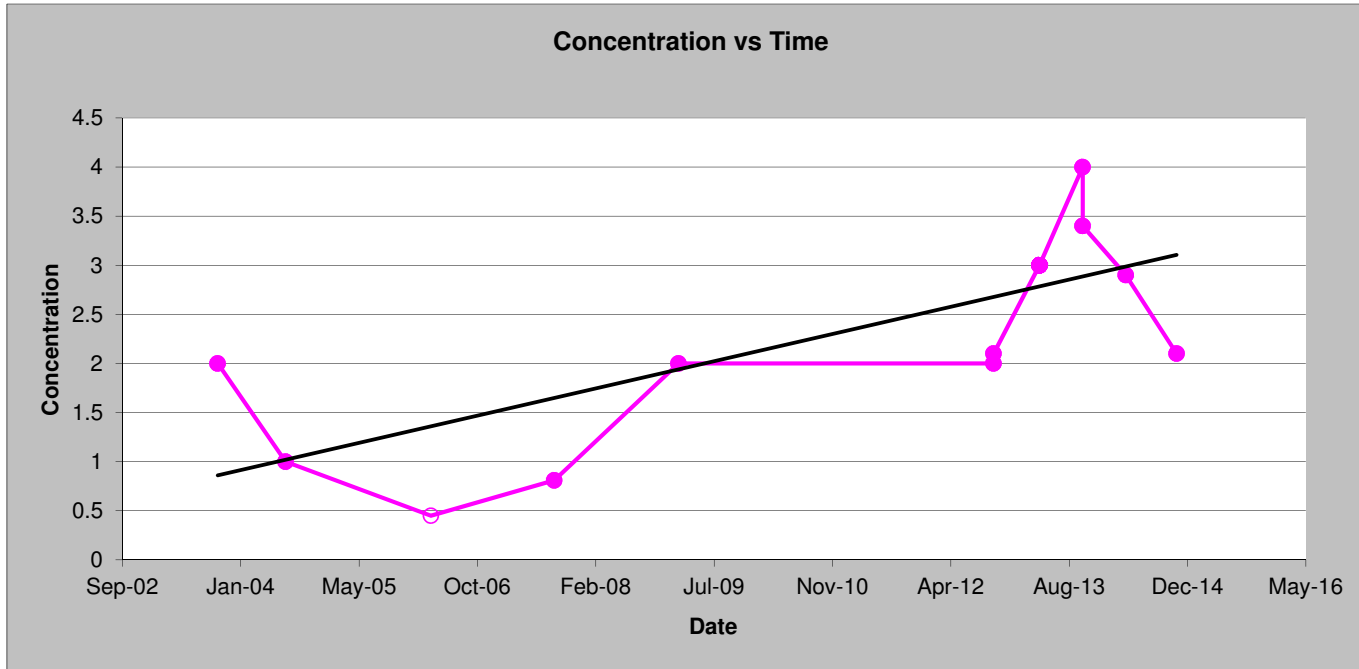
MW-107A
Fluorene
DuPont Brevard Site



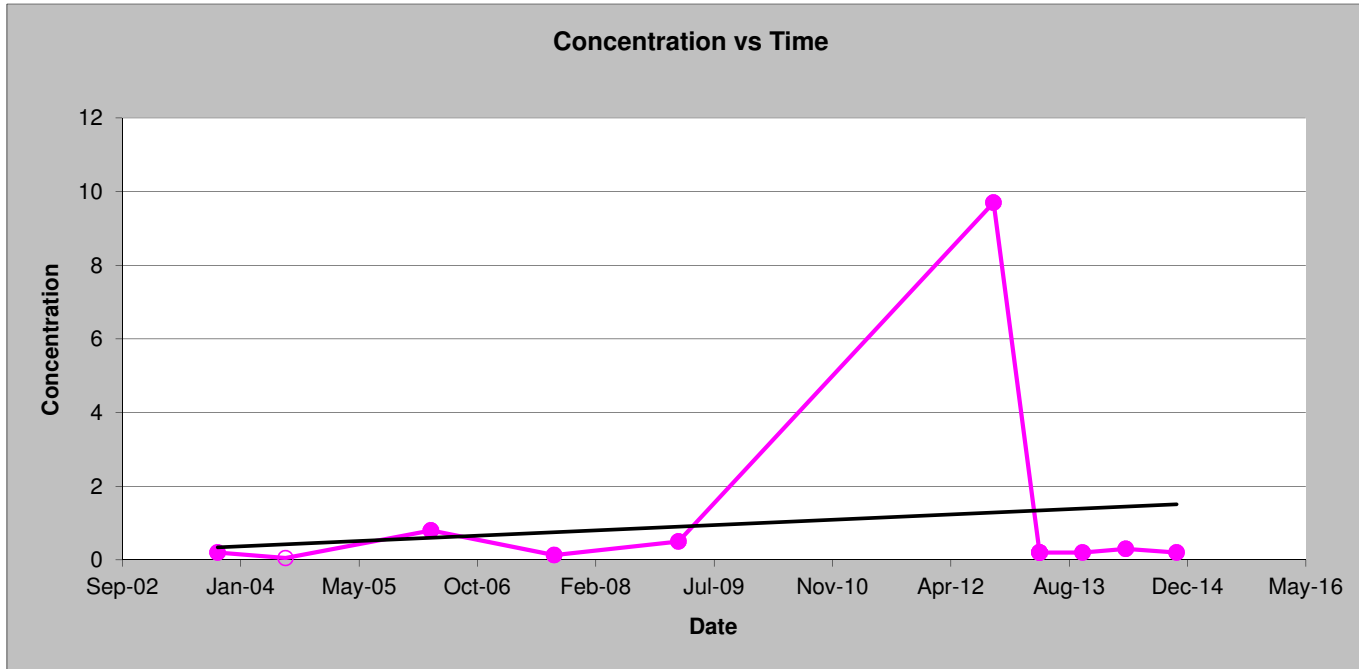
MW-107A
Mercury
DuPont Brevard Site



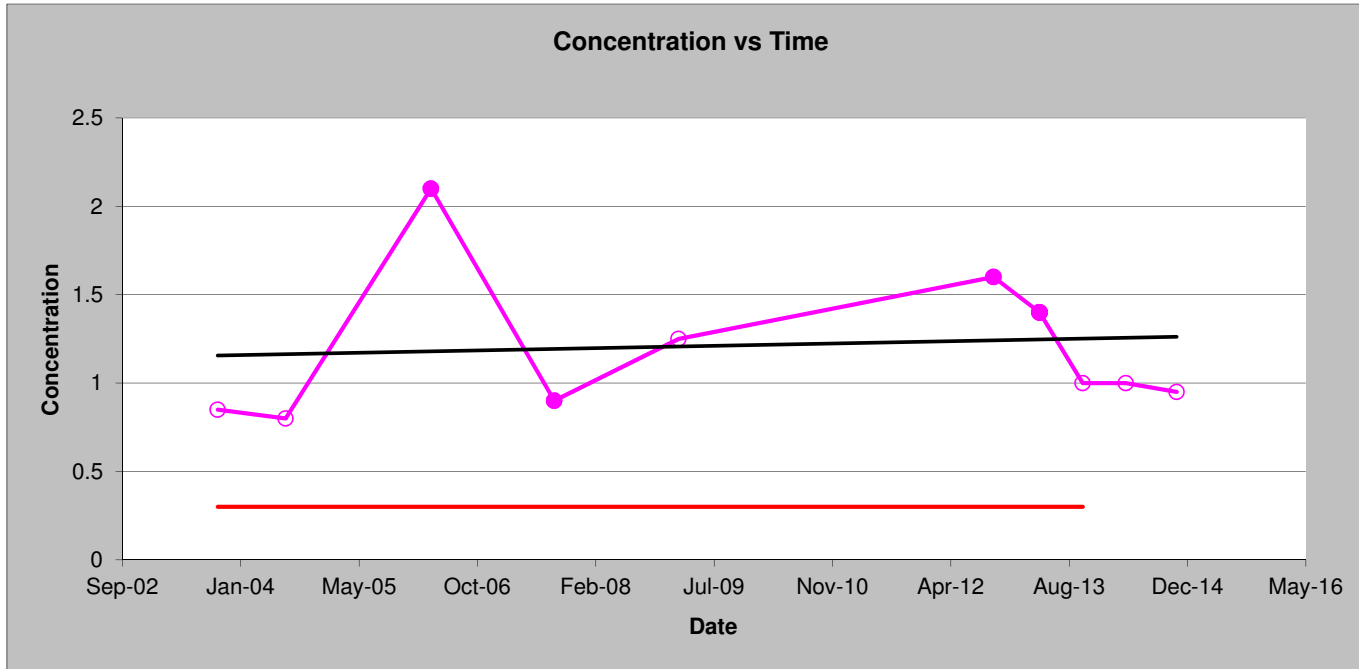
MW-107A
Naphthalene
DuPont Brevard Site



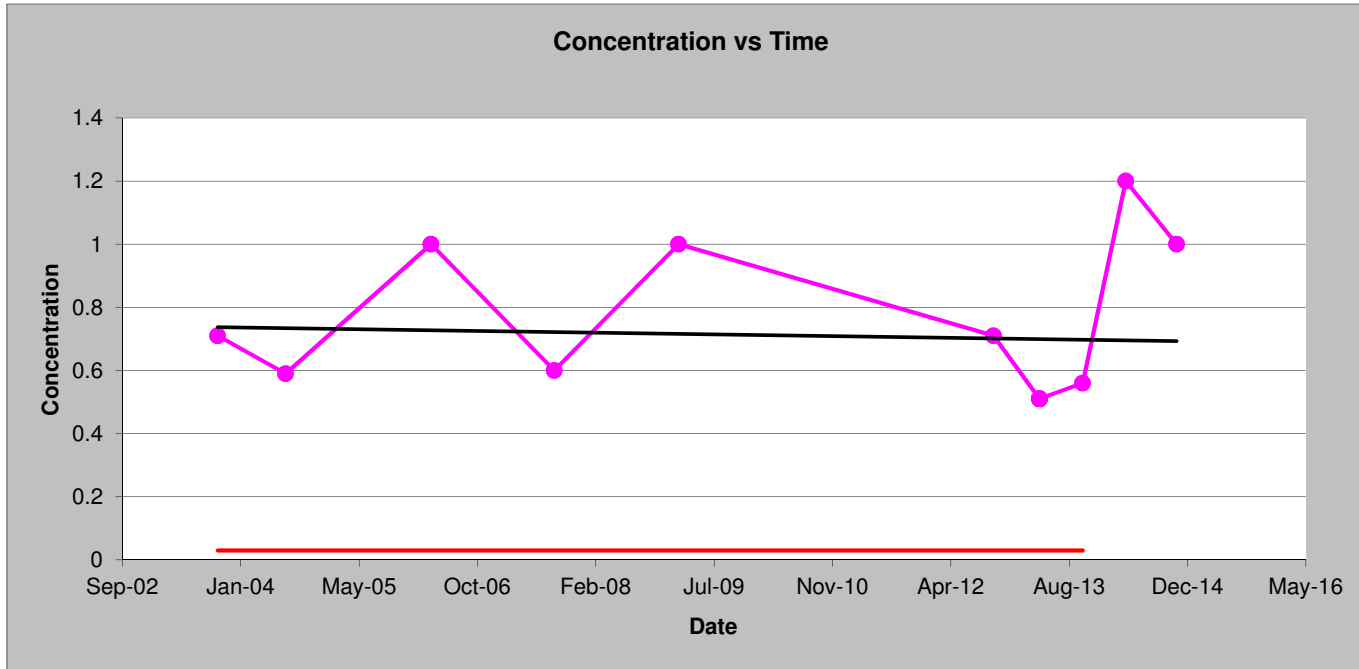
MW-107A
Toluene
DuPont Brevard Site



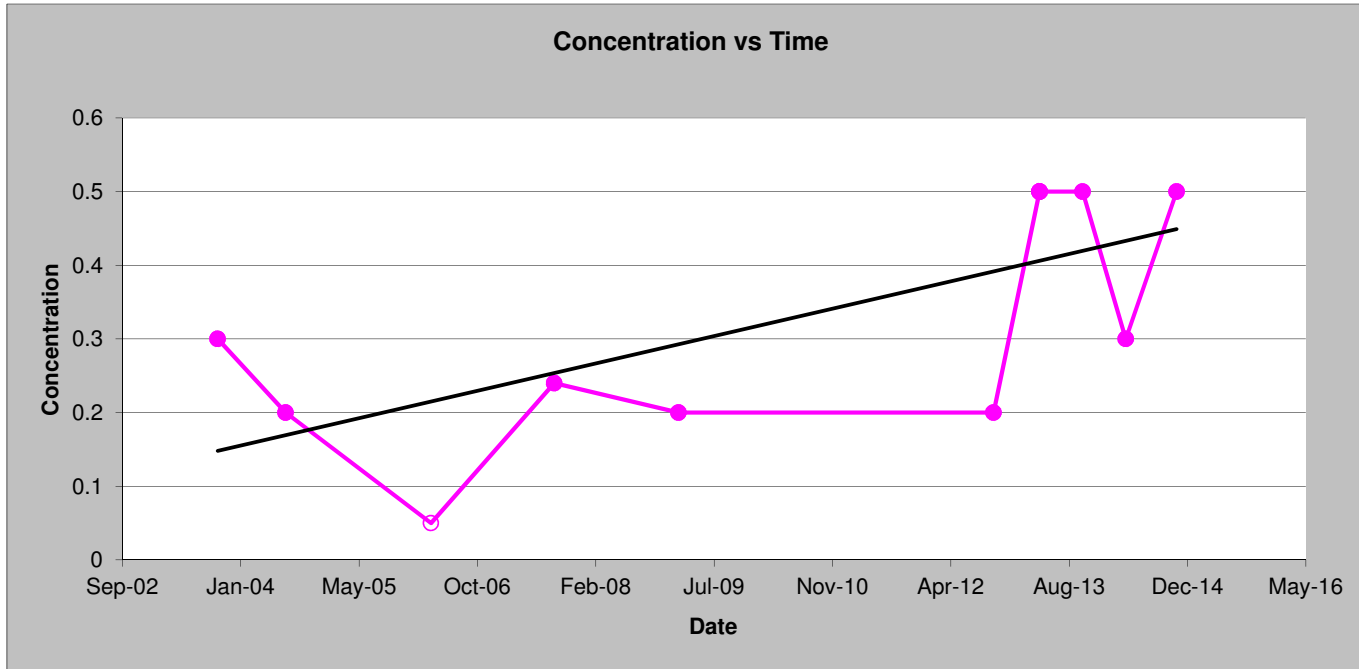
MW-107A
Vanadium
DuPont Brevard Site



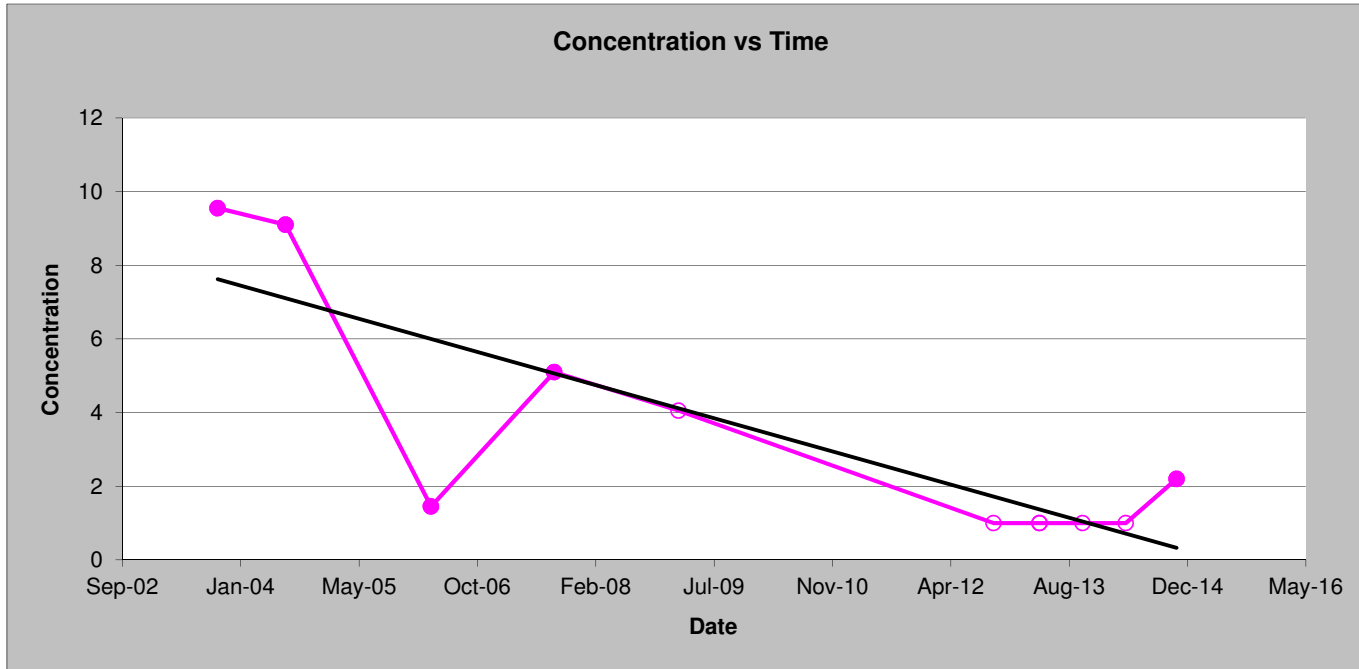
MW-107A
Vinyl Chloride
DuPont Brevard Site



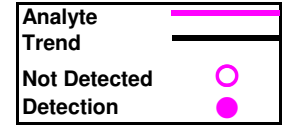
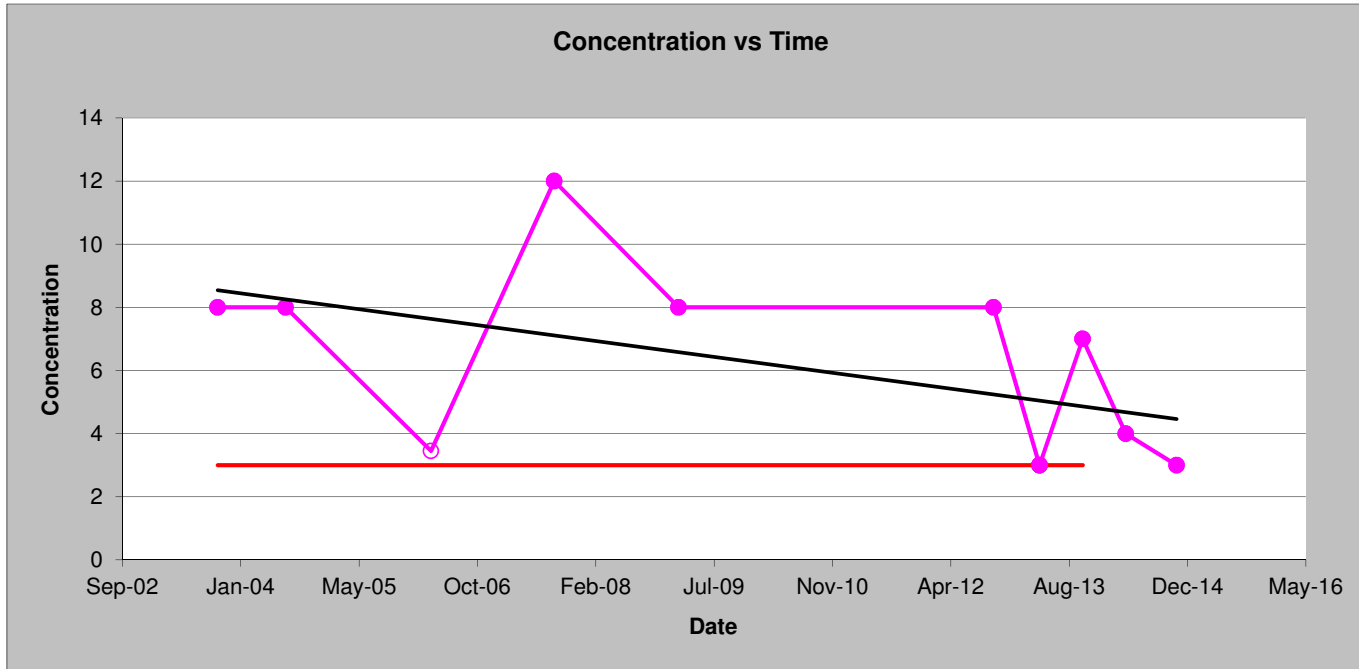
MW-107A
Xylenes
DuPont Brevard Site



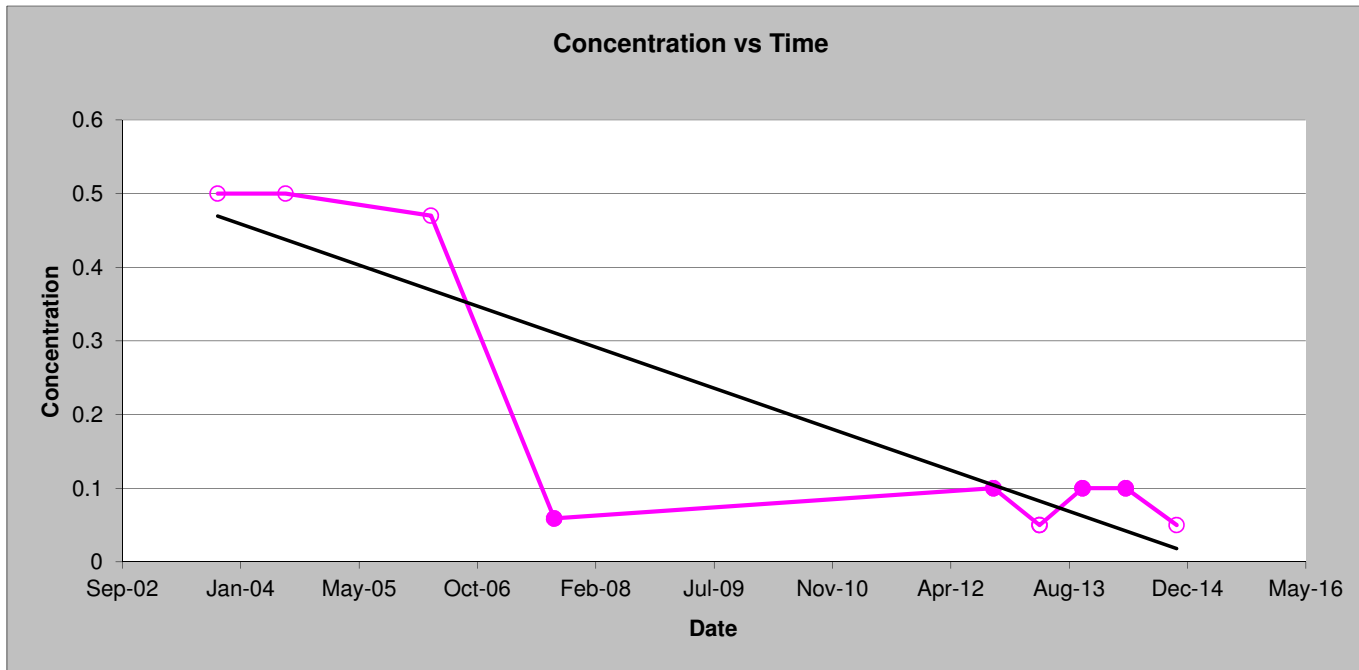
MW-107A
Zinc
DuPont Brevard Site



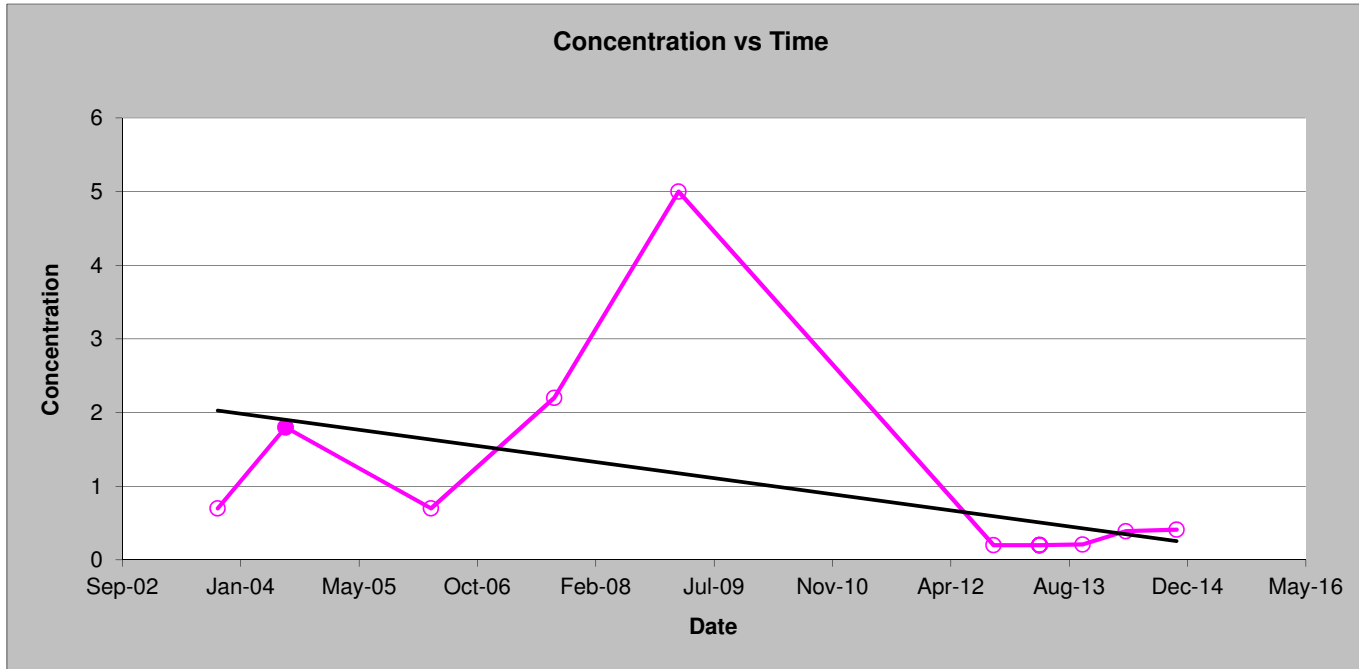
MW-107A
1,4-Dioxane
DuPont Brevard Site



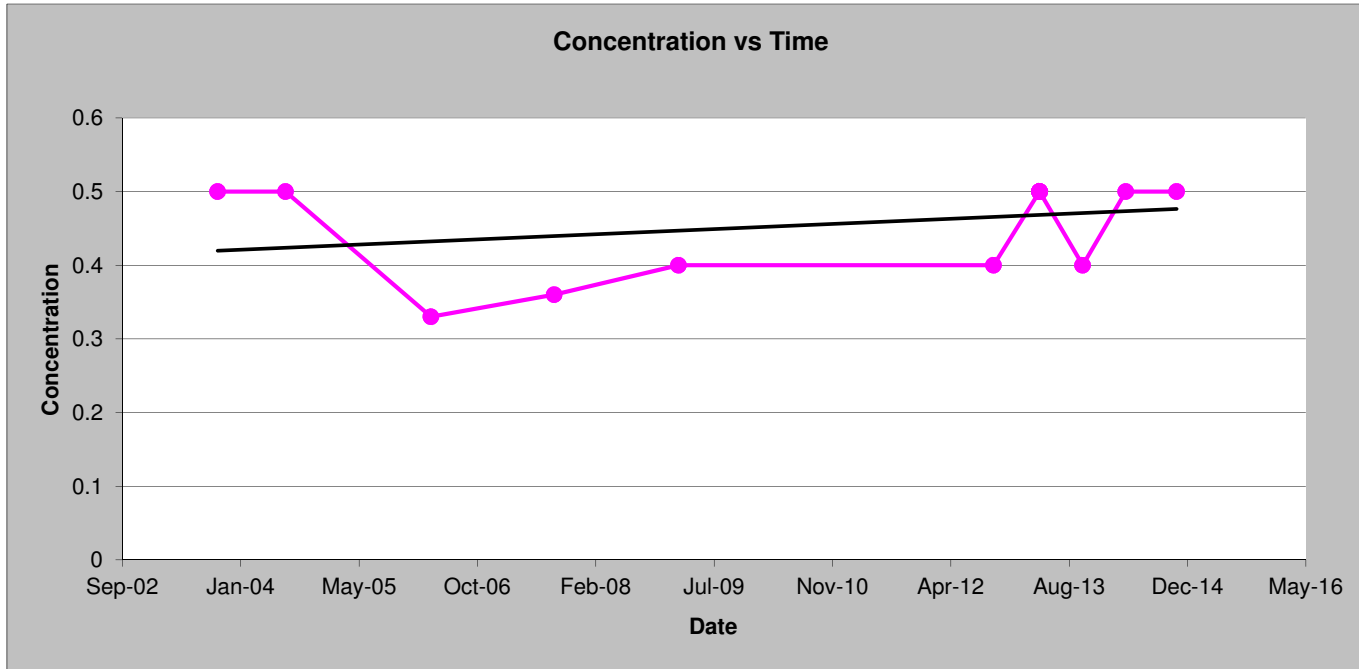
MW-107A
1-Methylnaphthalene
DuPont Brevard Site



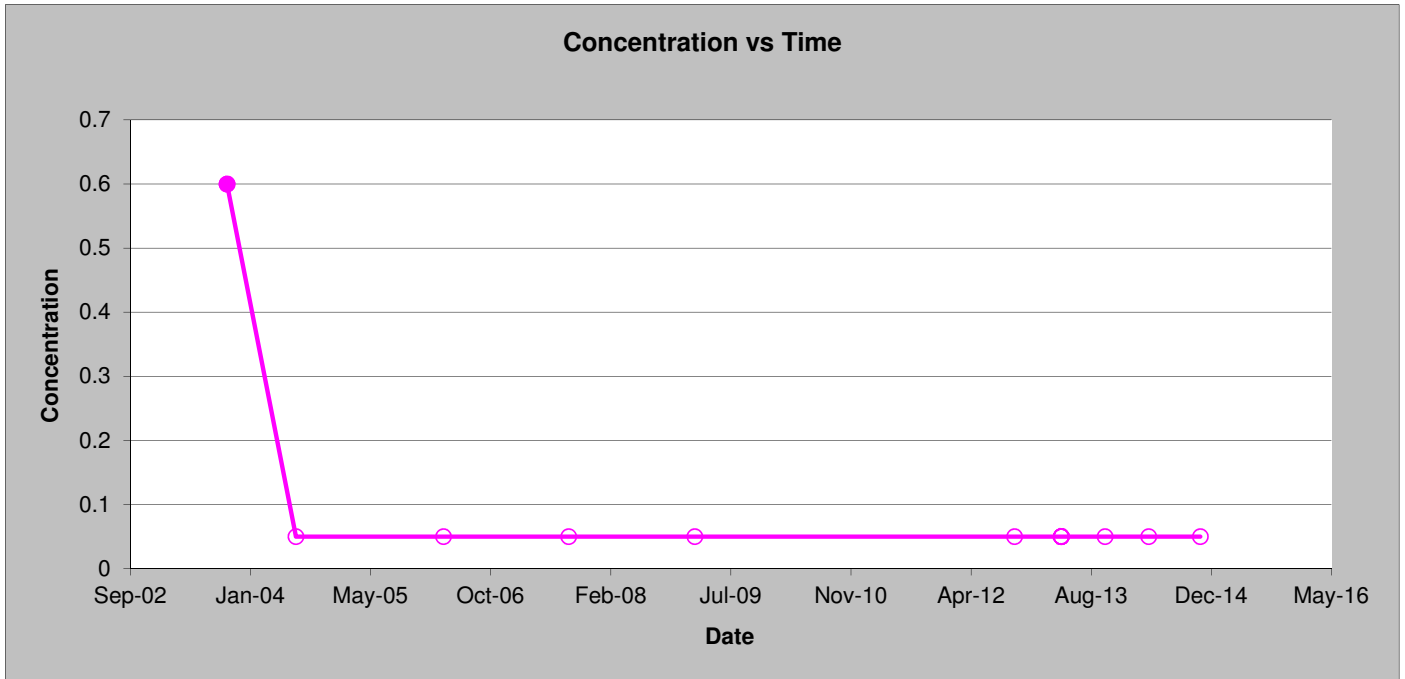
MW-107A
Arsenic
DuPont Brevard Site



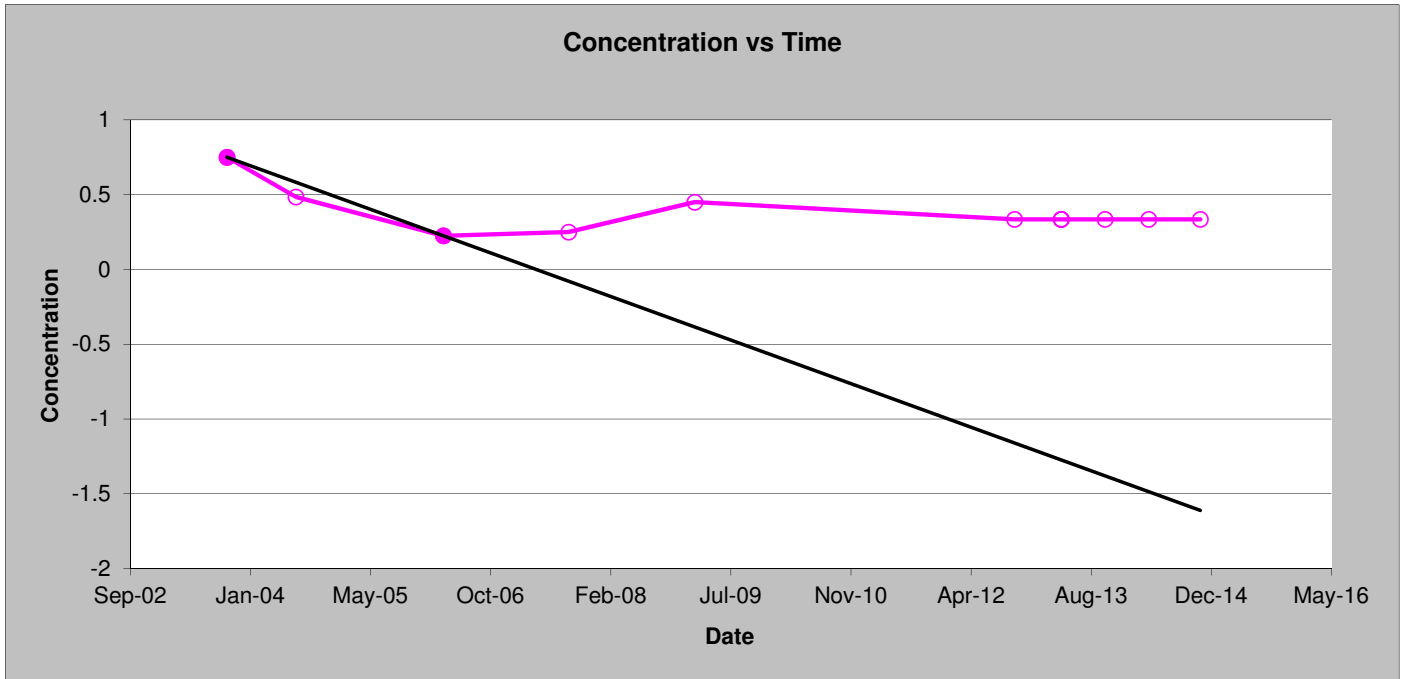
MW-107A
Benzene
DuPont Brevard Site



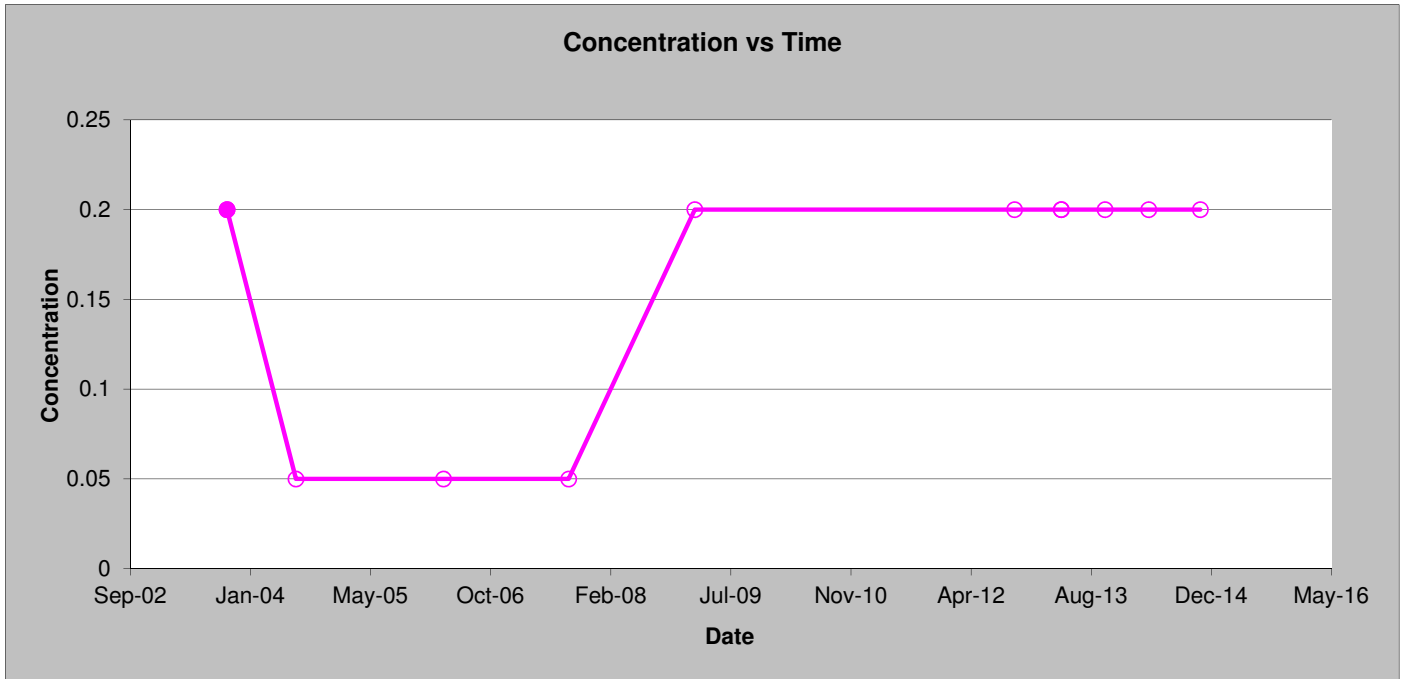
MW-107B
Benzene
DuPont Brevard Site



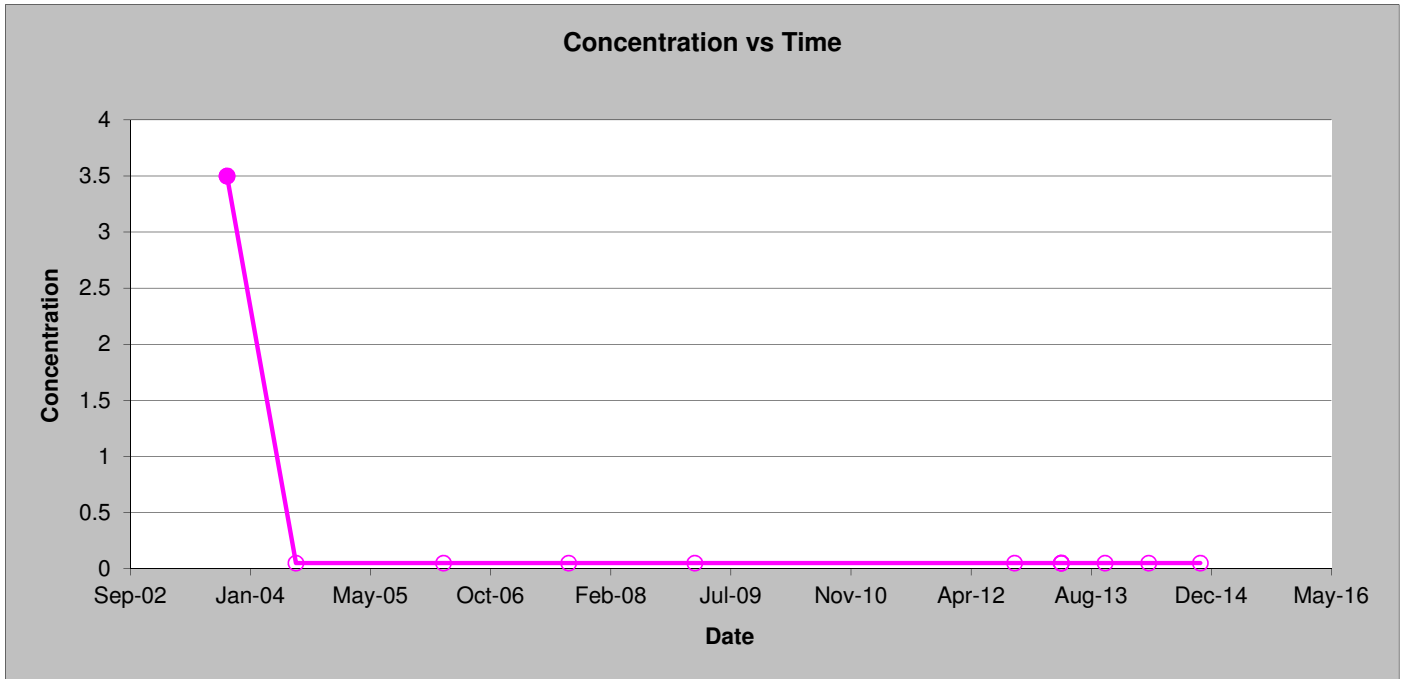
MW-107B
Beryllium
DuPont Brevard Site



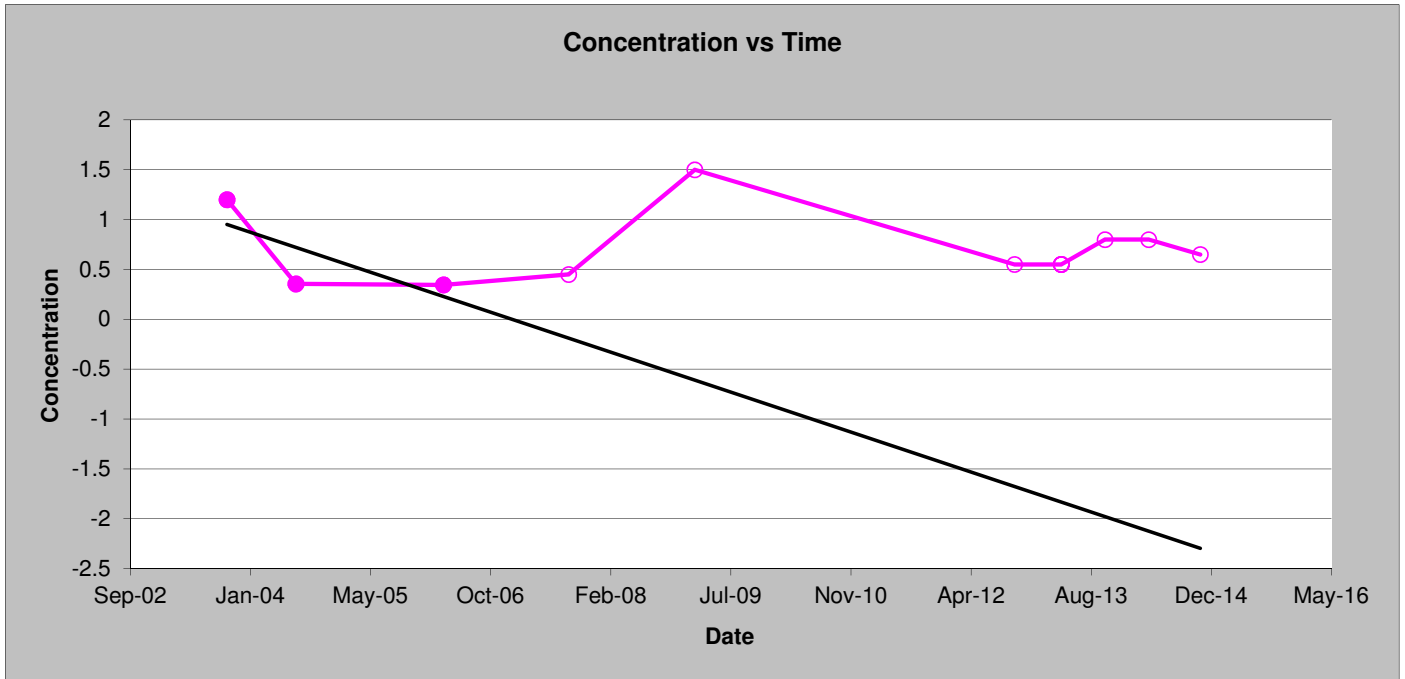
MW-107B
Carbon Disulfide
DuPont Brevard Site



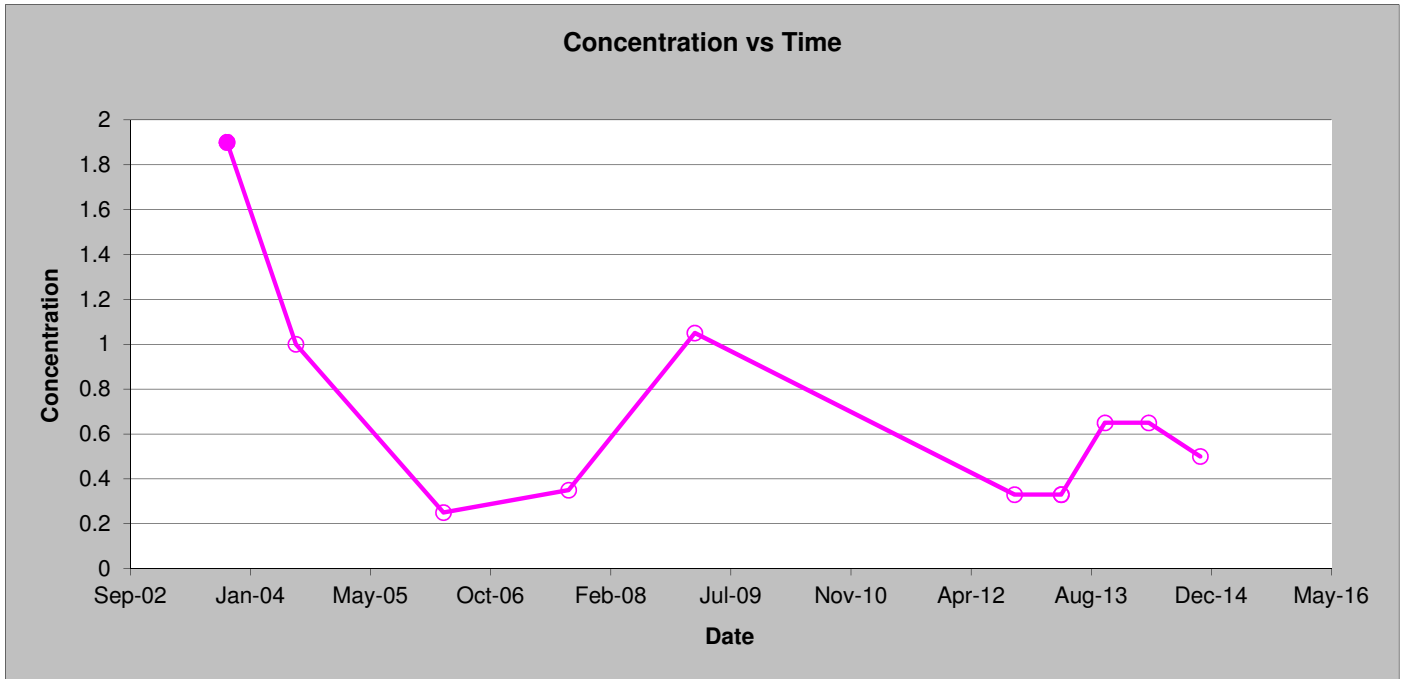
MW-107B
Chloroform
DuPont Brevard Site



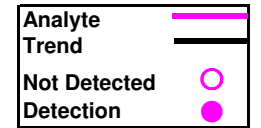
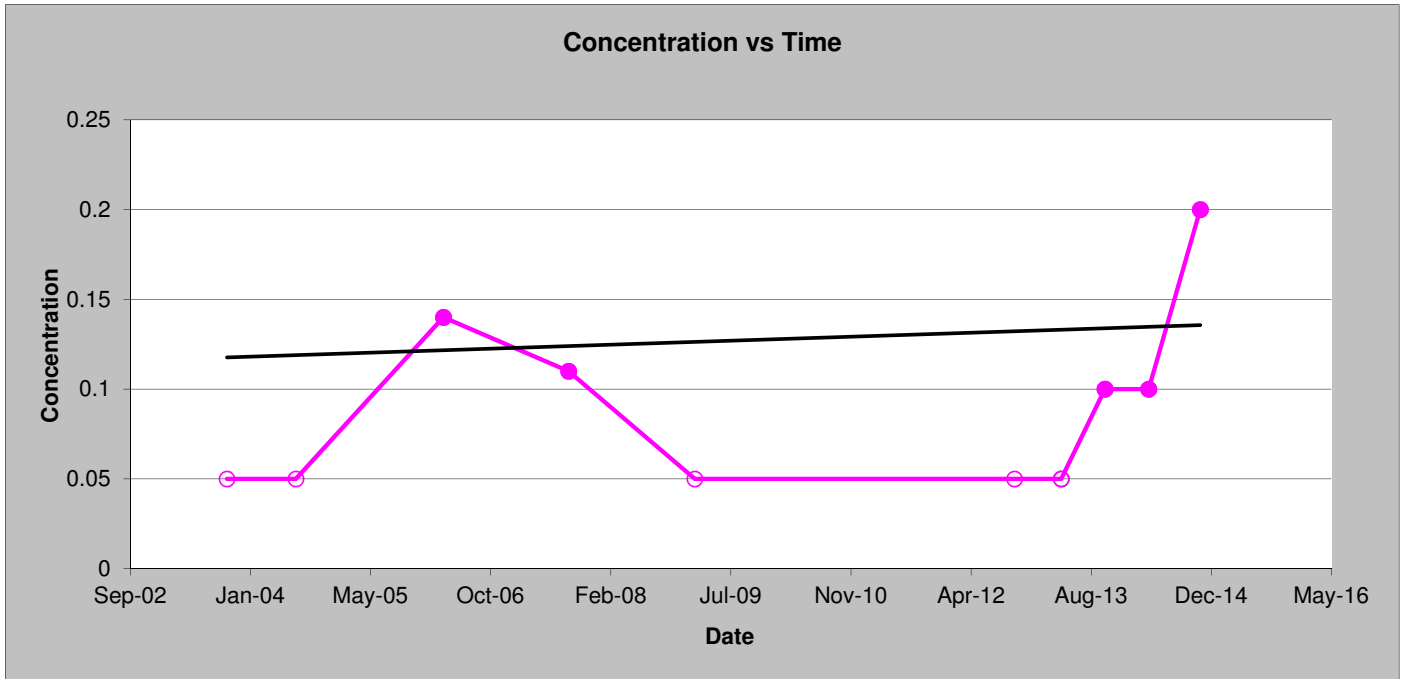
MW-107B
Chromium
DuPont Brevard Site



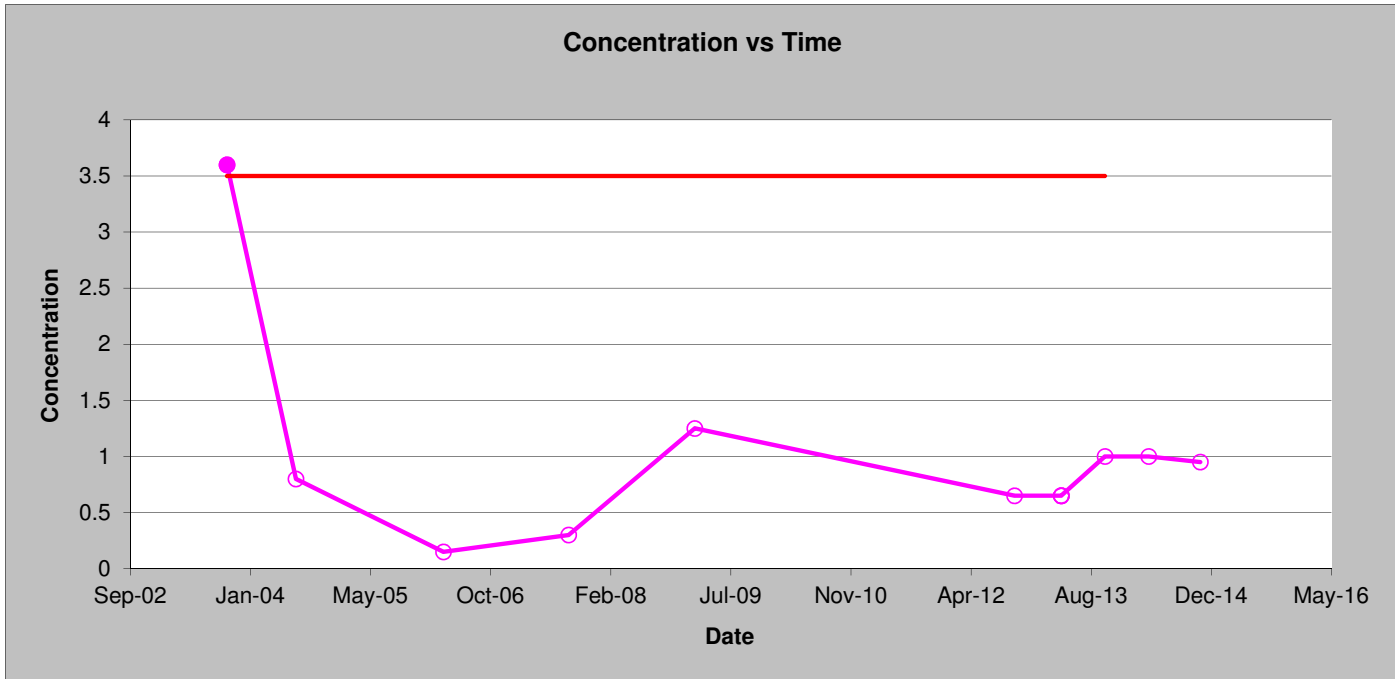
MW-107B
Cobalt
DuPont Brevard Site



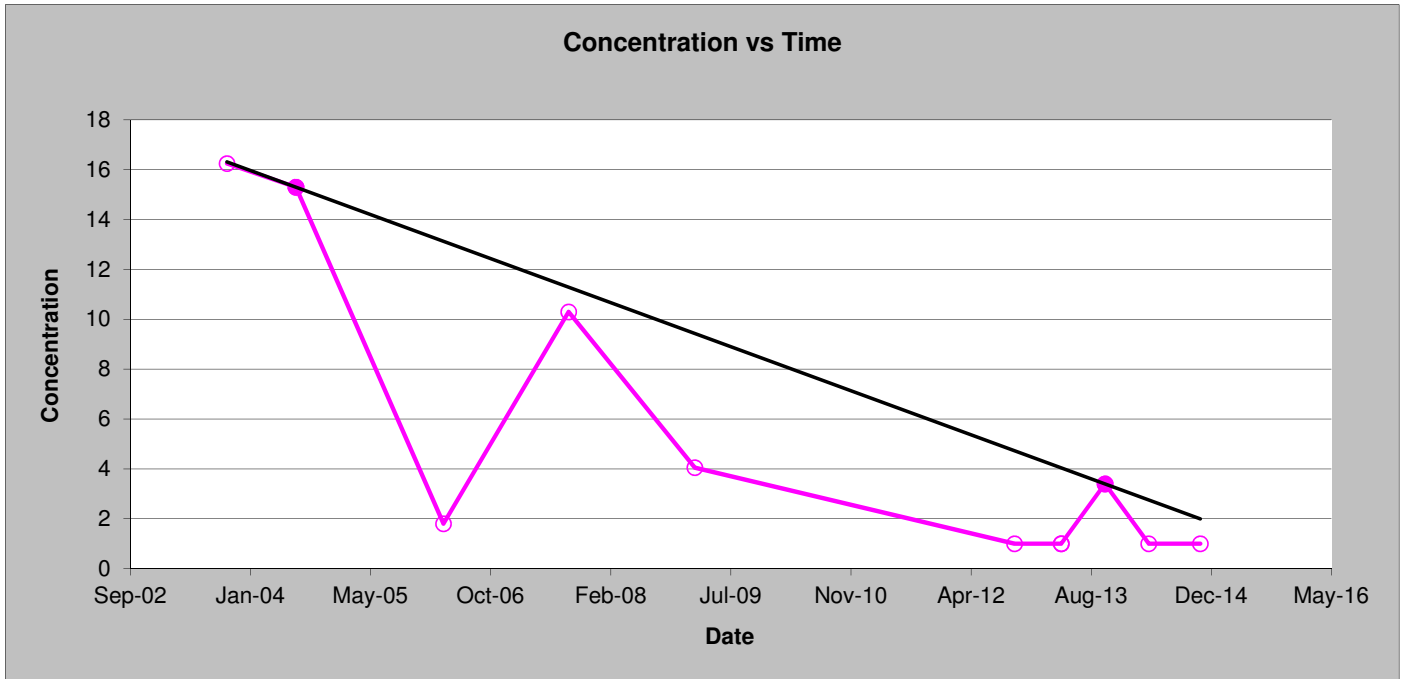
MW-107B
Trichlorofluoromethane
DuPont Brevard Site



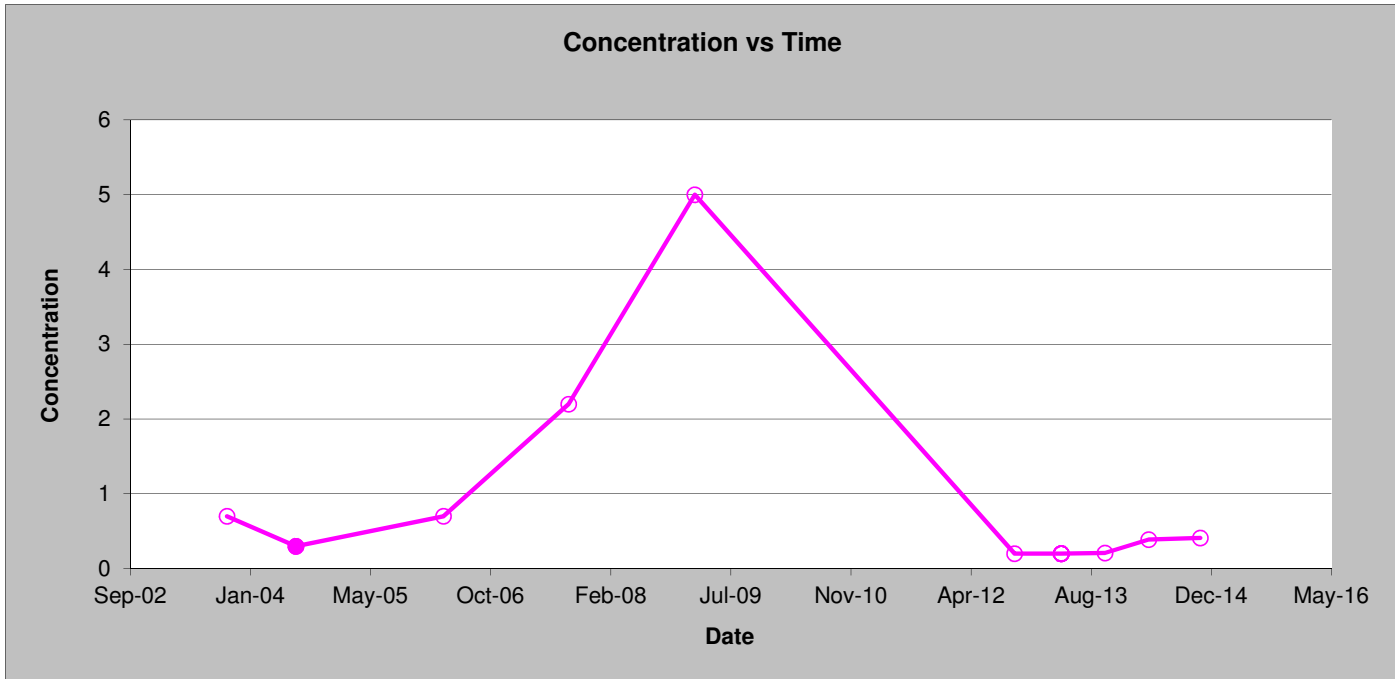
MW-107B
Vanadium
DuPont Brevard Site



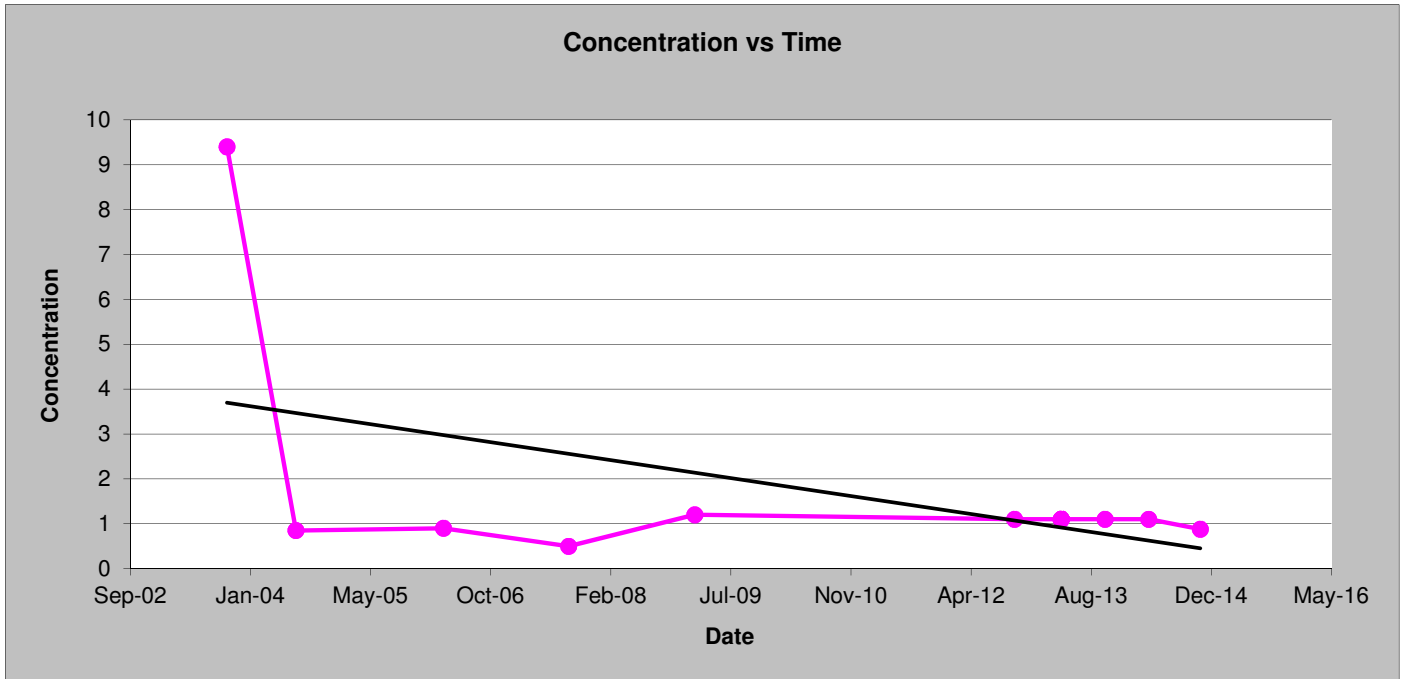
MW-107B
Zinc
DuPont Brevard Site



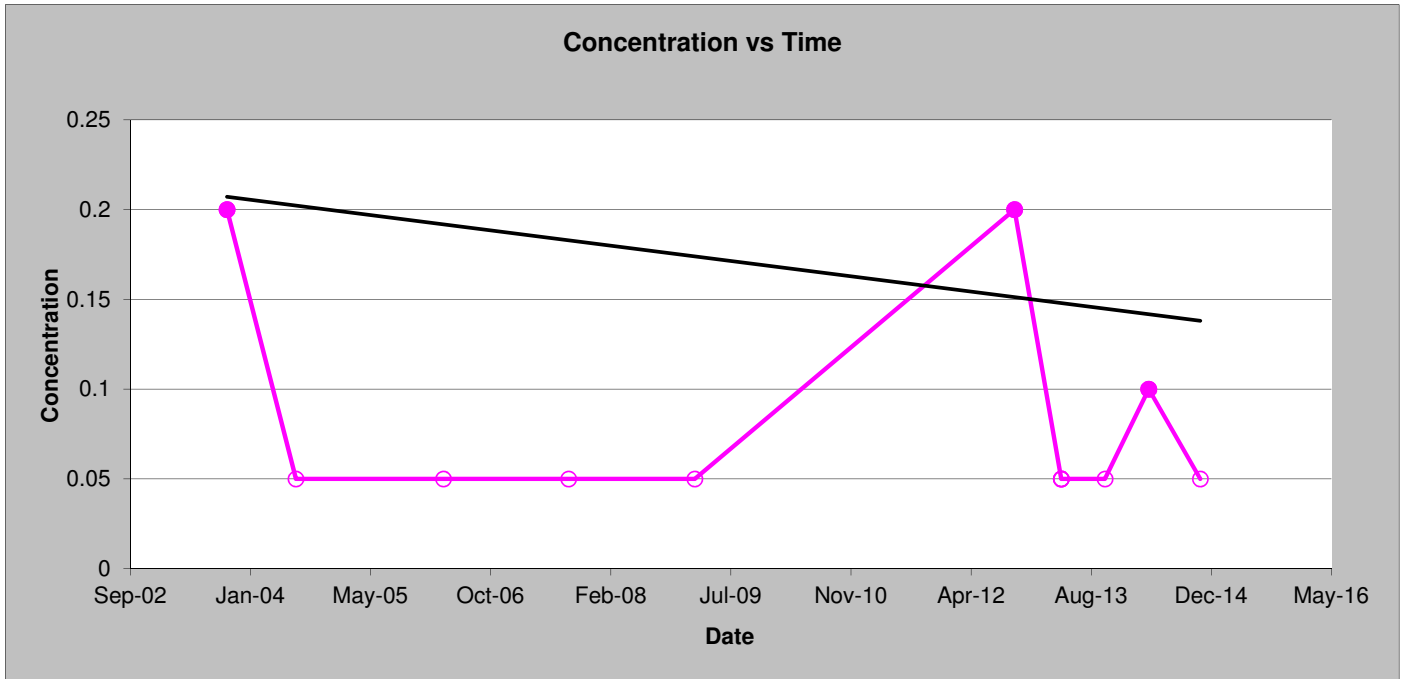
MW-107B
Arsenic
DuPont Brevard Site



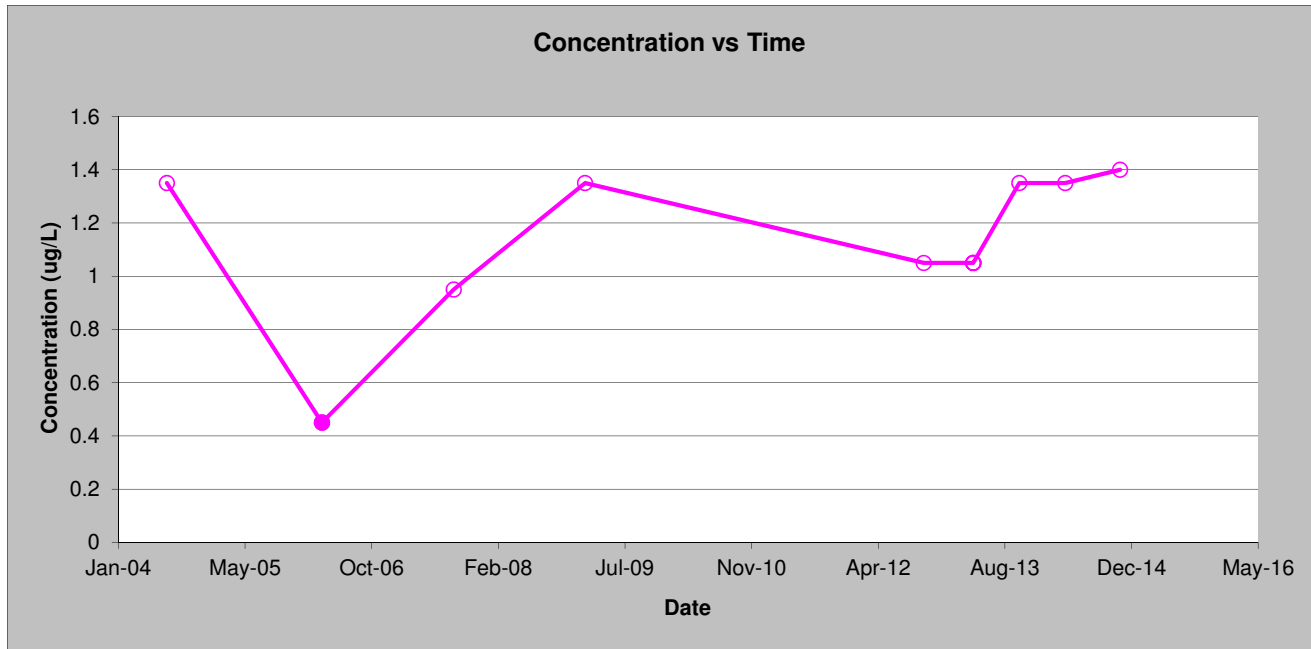
MW-107B
Barium
DuPont Brevard Site



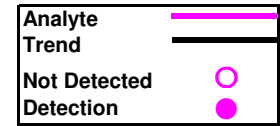
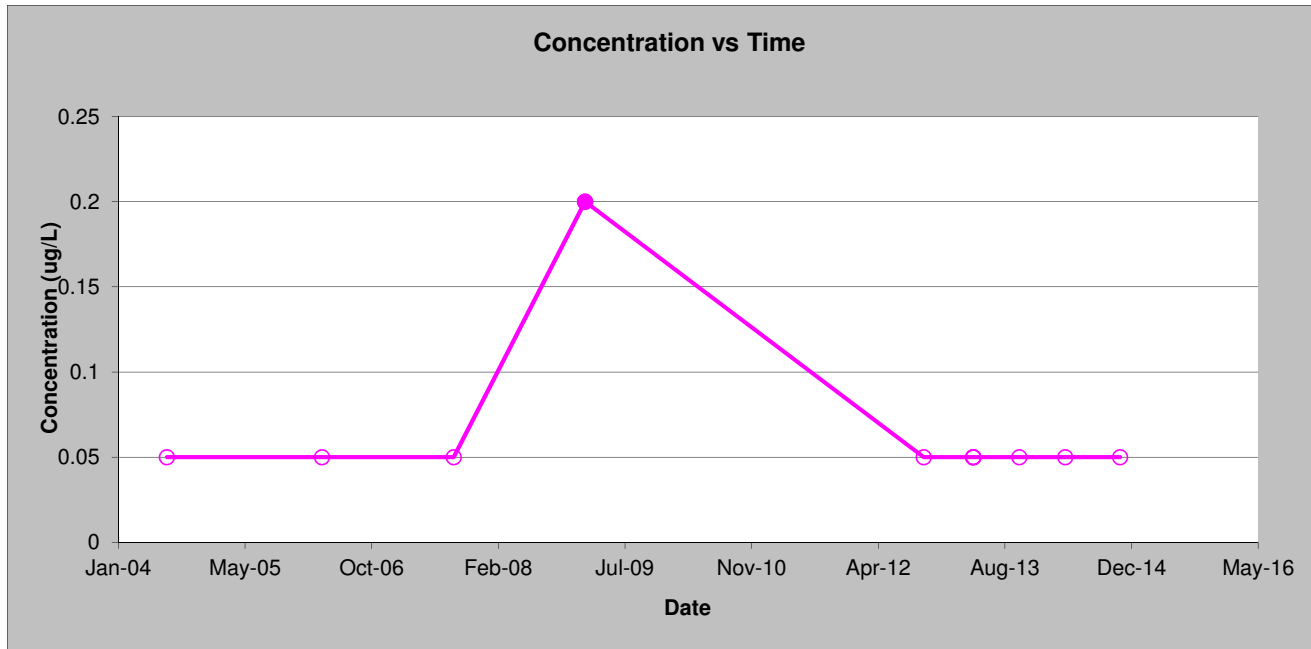
MW-107B
Toluene
DuPont Brevard Site



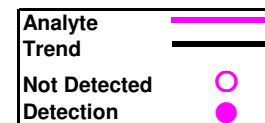
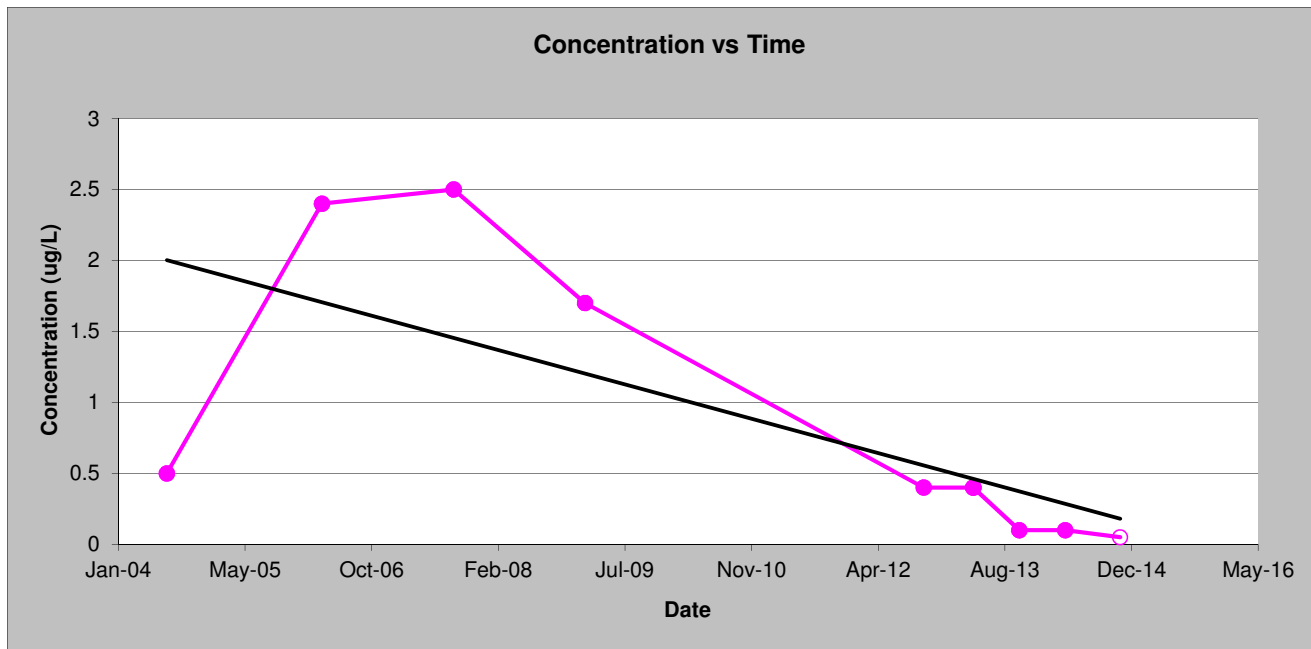
MW-213
Copper
DuPont Brevard Site



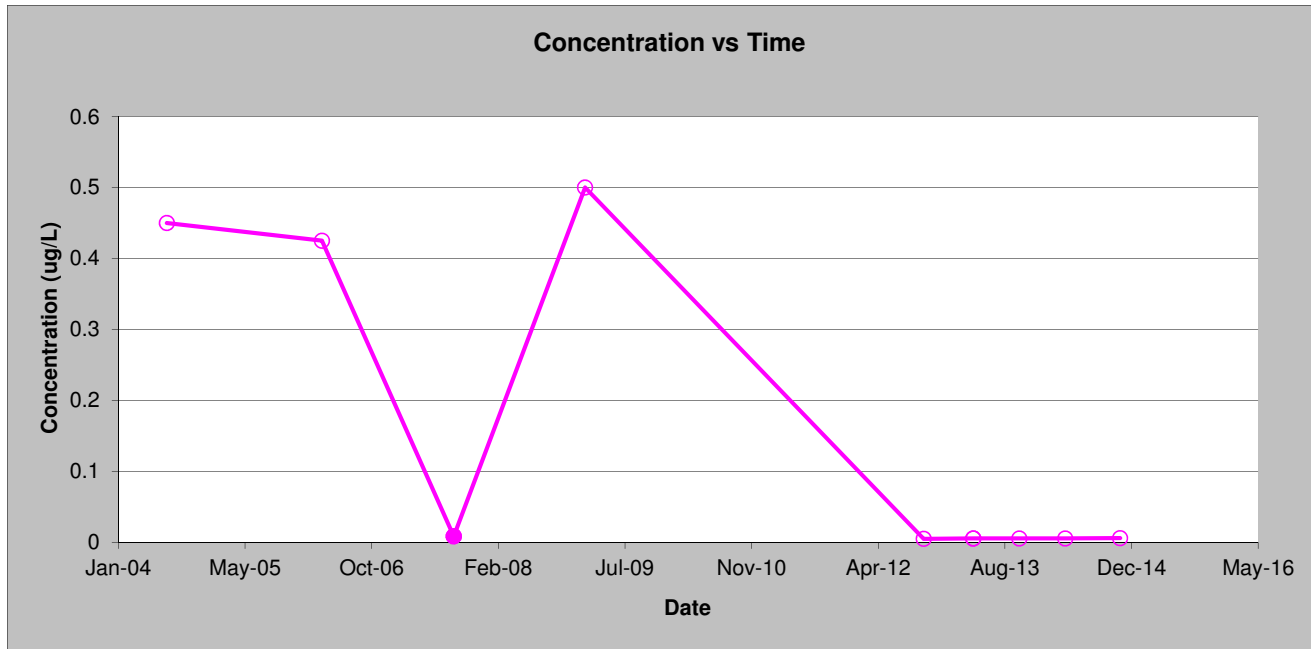
MW-213
Ethyl Benzene
DuPont Brevard Site



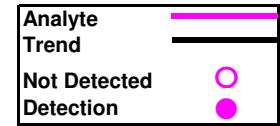
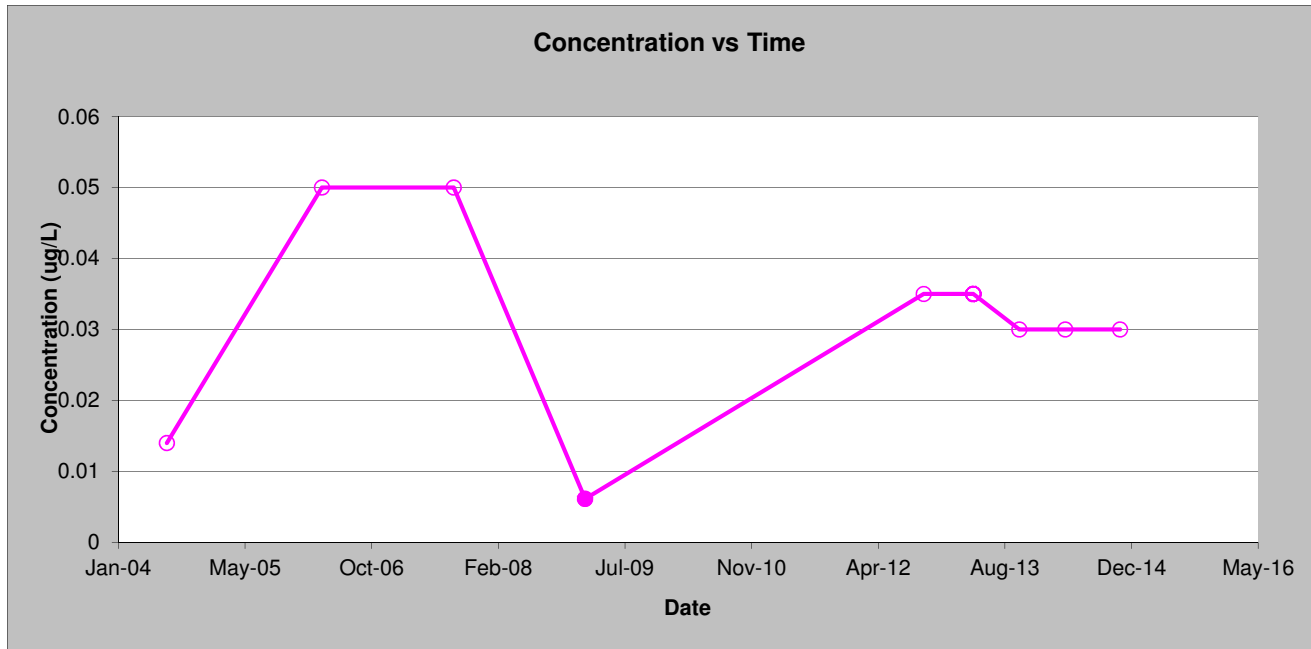
MW-213
Ethyl Chloride
DuPont Brevard Site



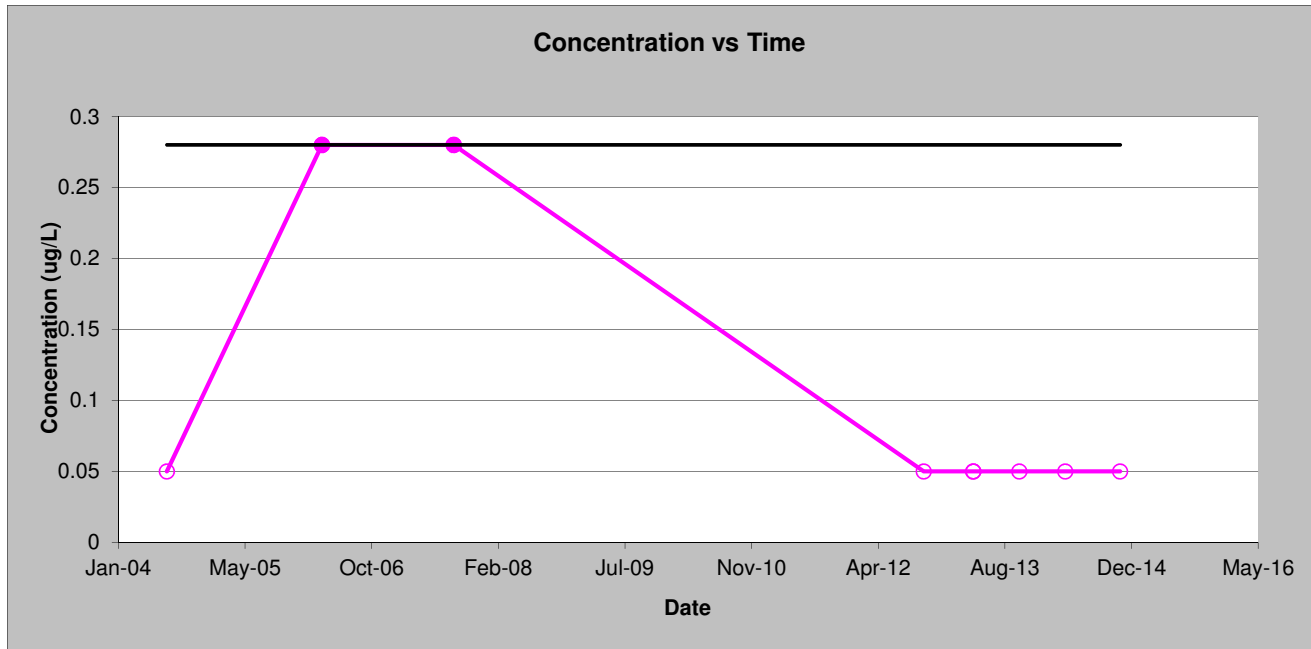
MW-213
Fluorene
DuPont Brevard Site



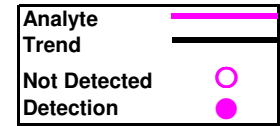
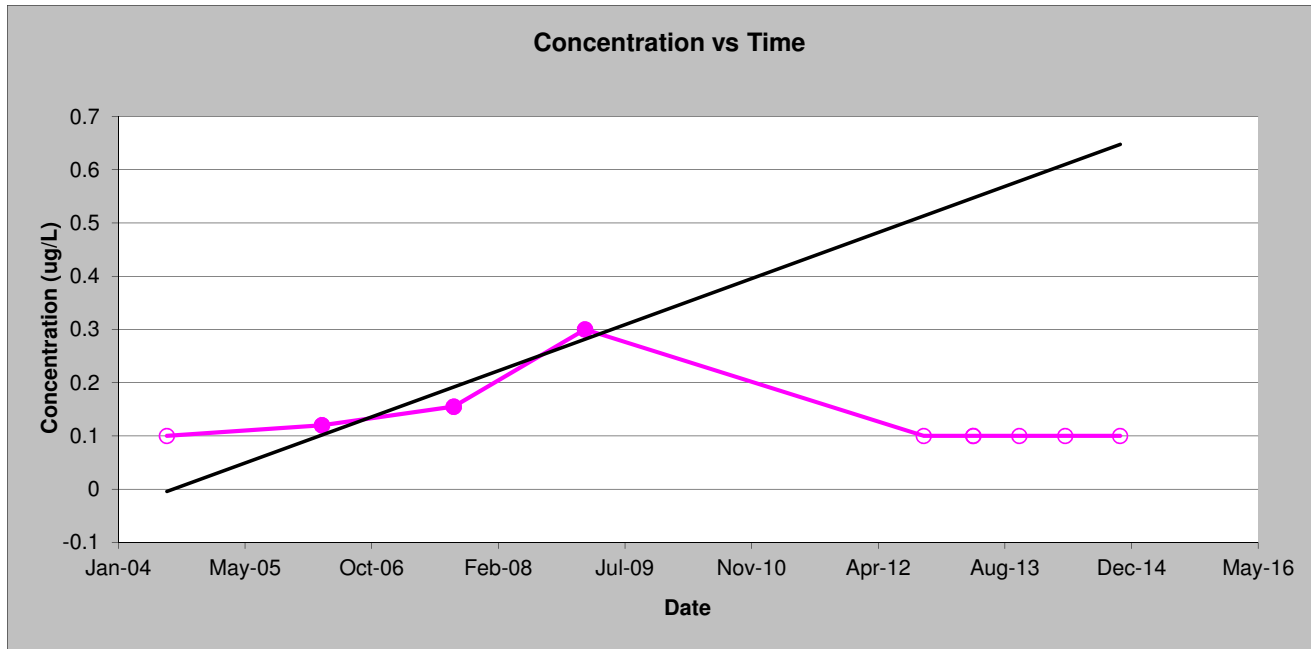
MW-213
Mercury
DuPont Brevard Site



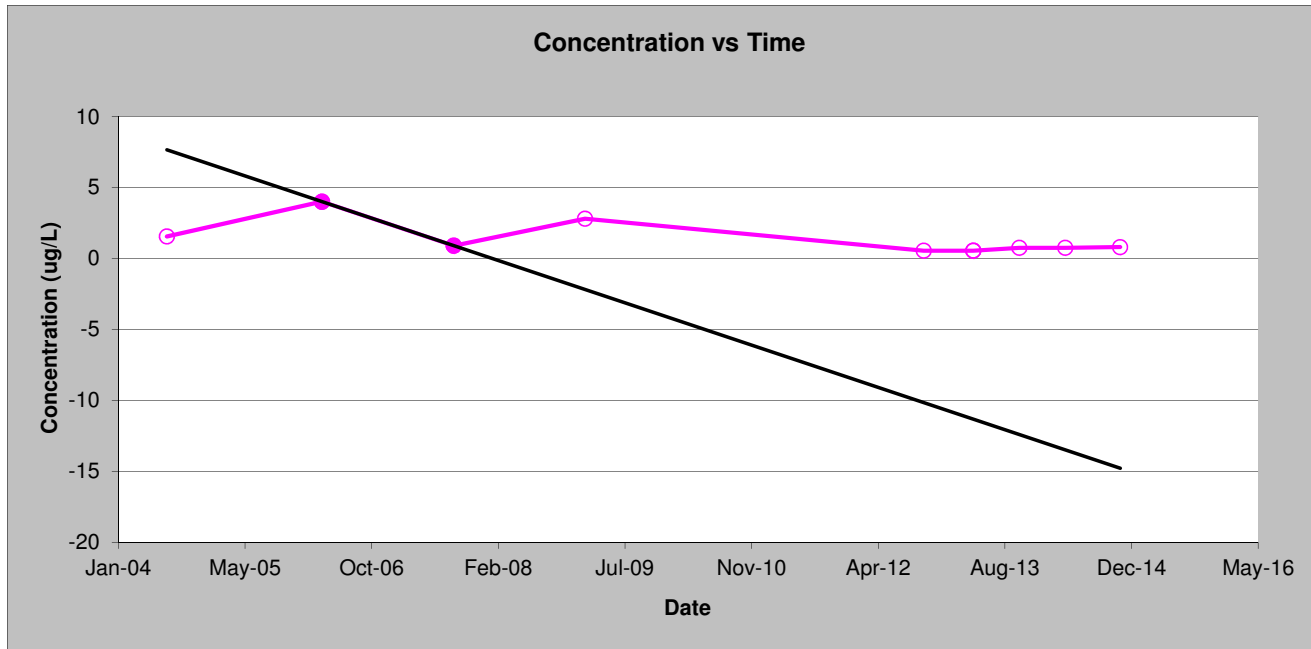
MW-213
Methylene Bromide
DuPont Brevard Site



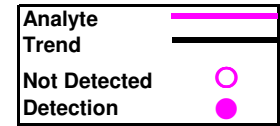
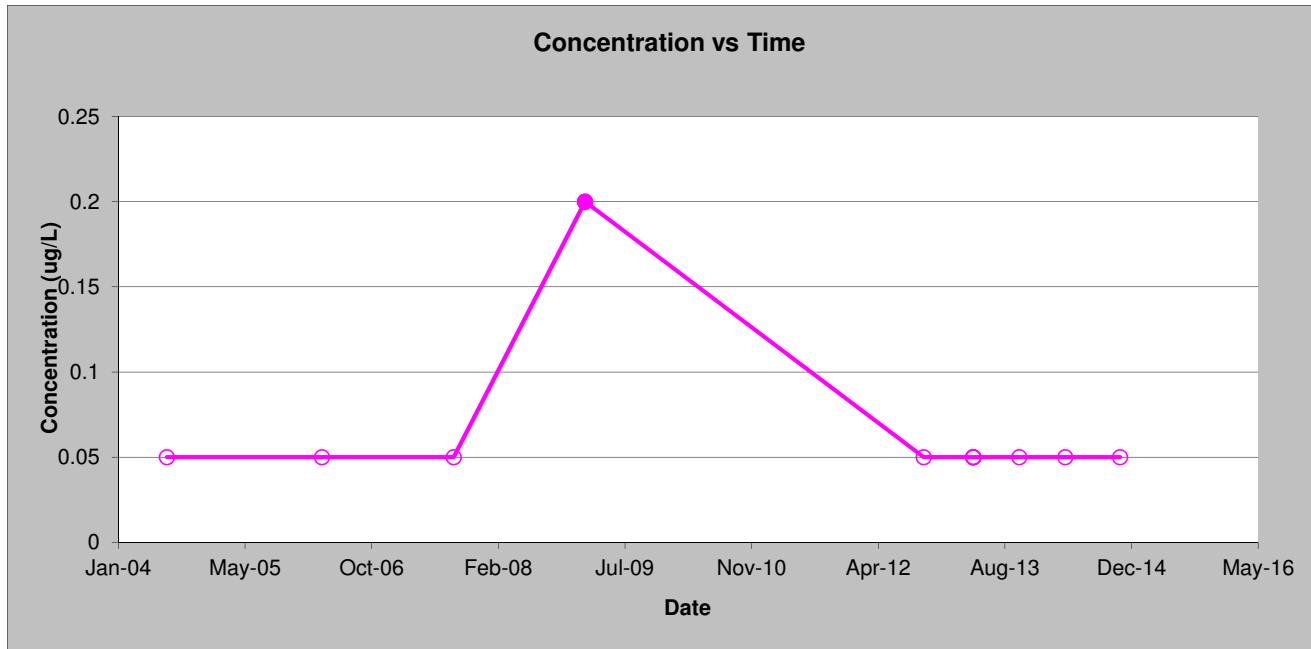
MW-213
Methylene Chloride
DuPont Brevard Site



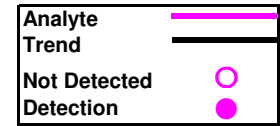
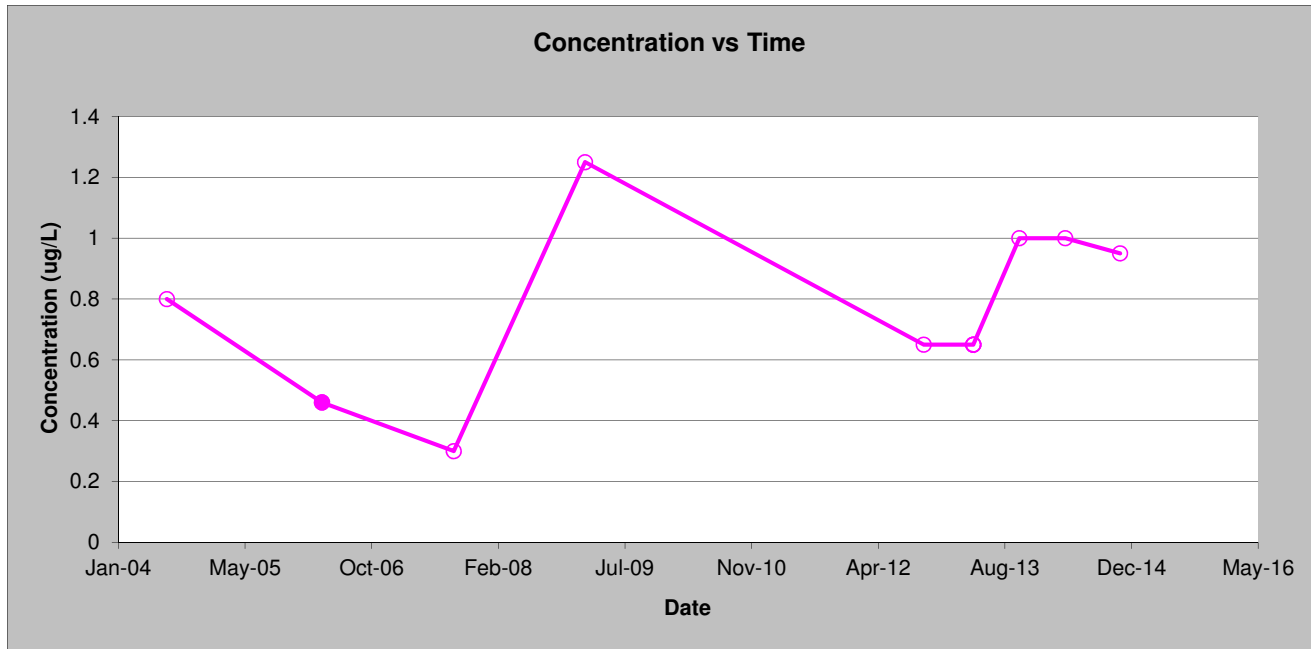
MW-213
Nickel
DuPont Brevard Site



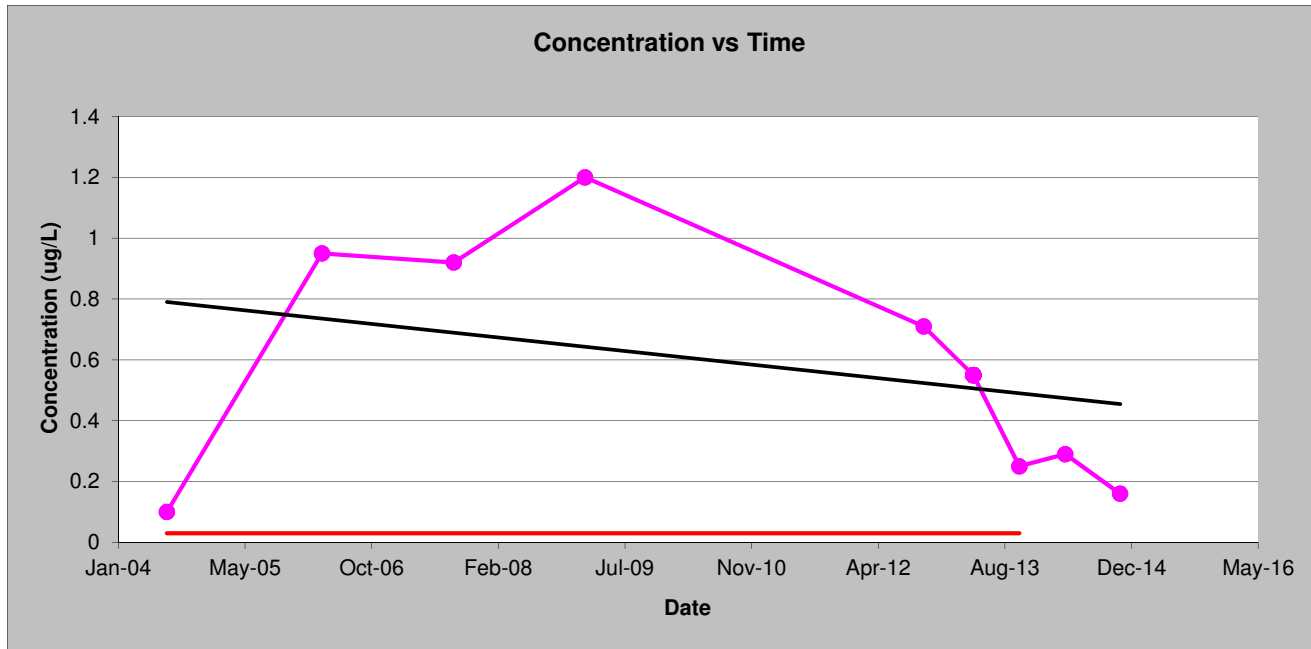
MW-213
trans-1,2 Dichloroethene
DuPont Brevard Site



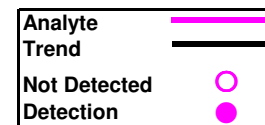
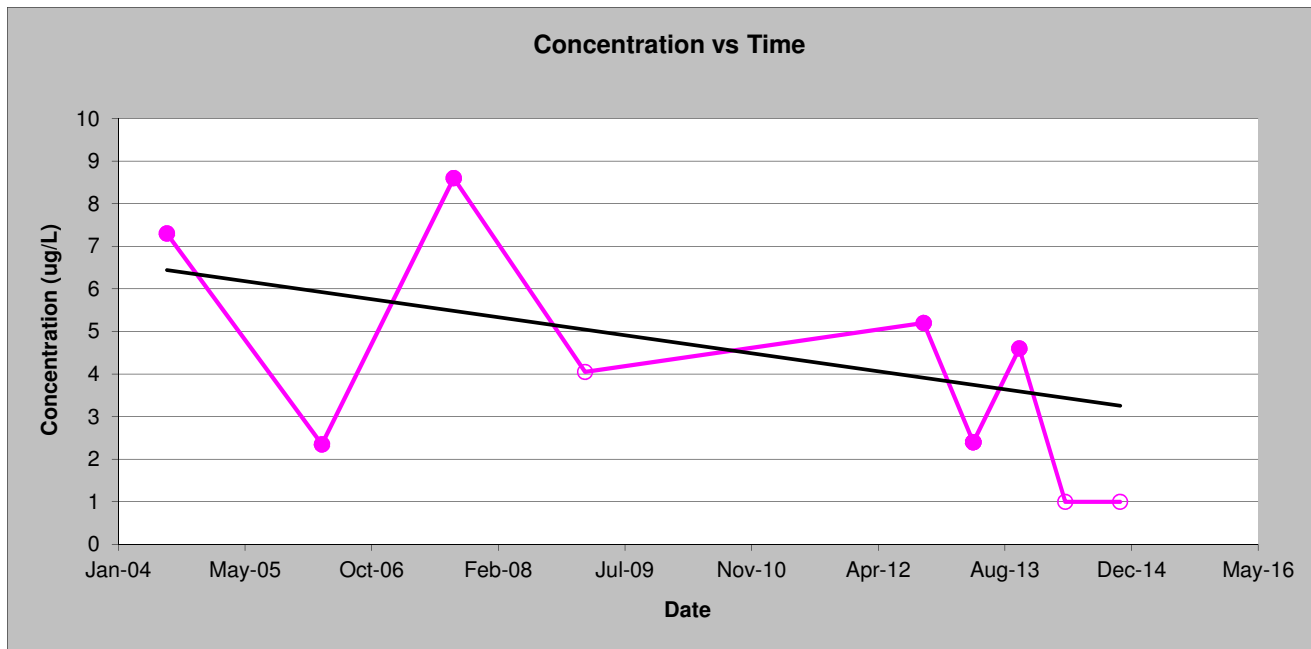
MW-213
Vanadium
DuPont Brevard Site



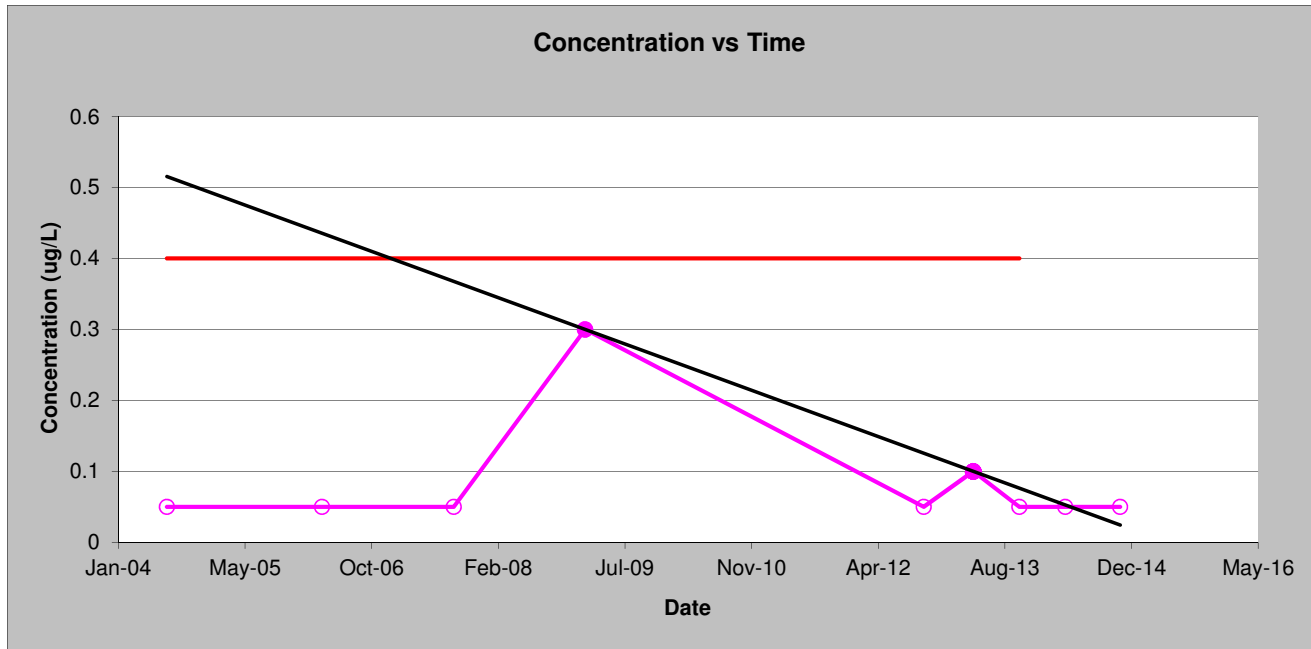
MW-213
Vinyl Chloride
DuPont Brevard Site



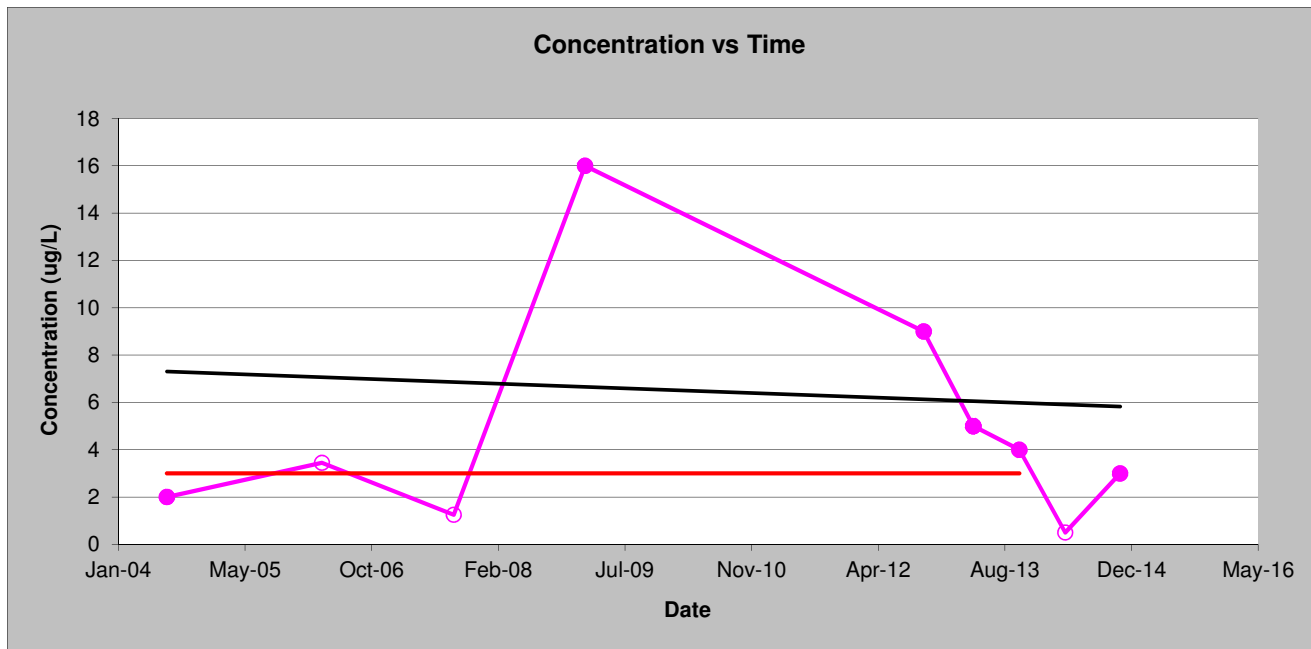
MW-213
Zinc
DuPont Brevard Site



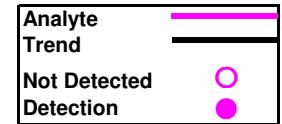
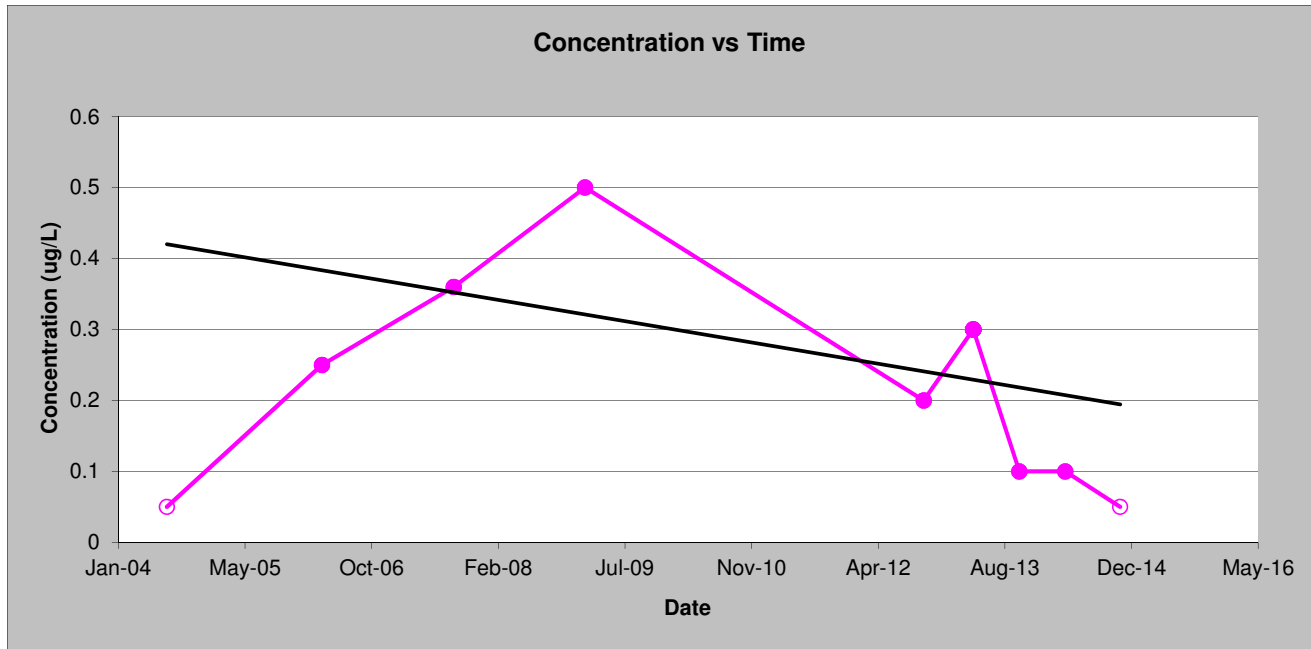
MW-213
1,2-Dichloroethane
DuPont Brevard Site



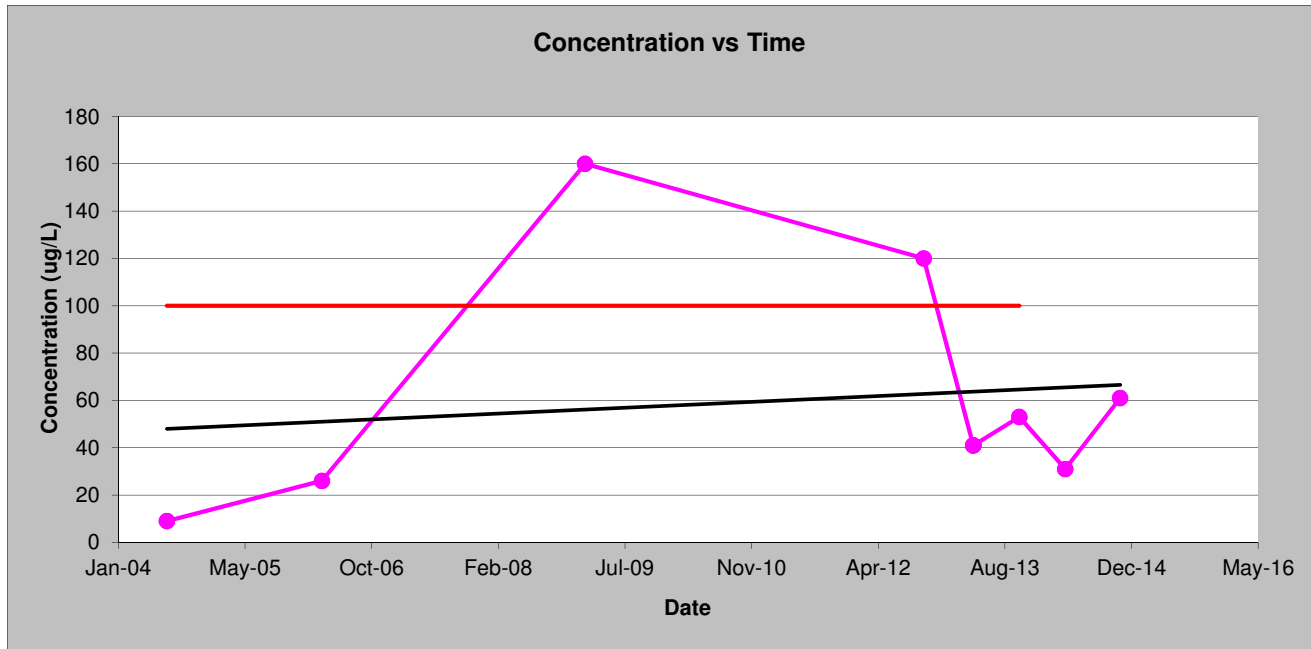
MW-213
1,4-Dioxane
DuPont Brevard Site



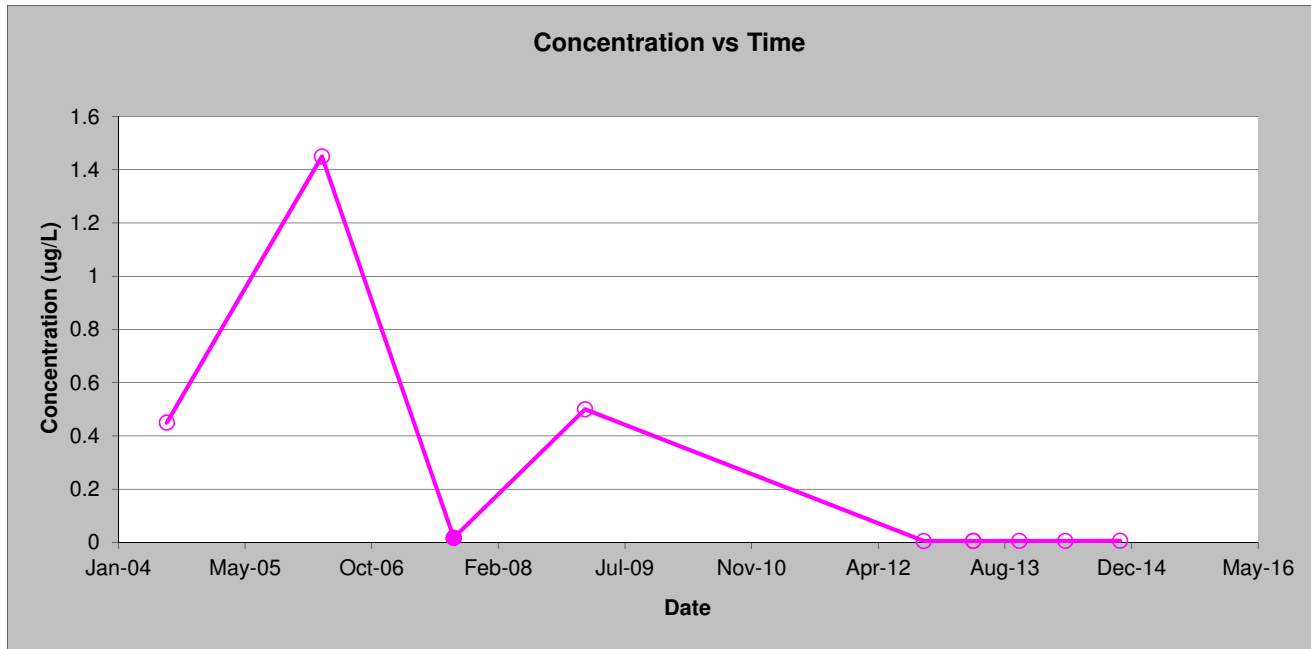
MW-213
1,1-Dichloroethane
DuPont Brevard Site



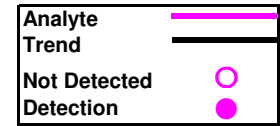
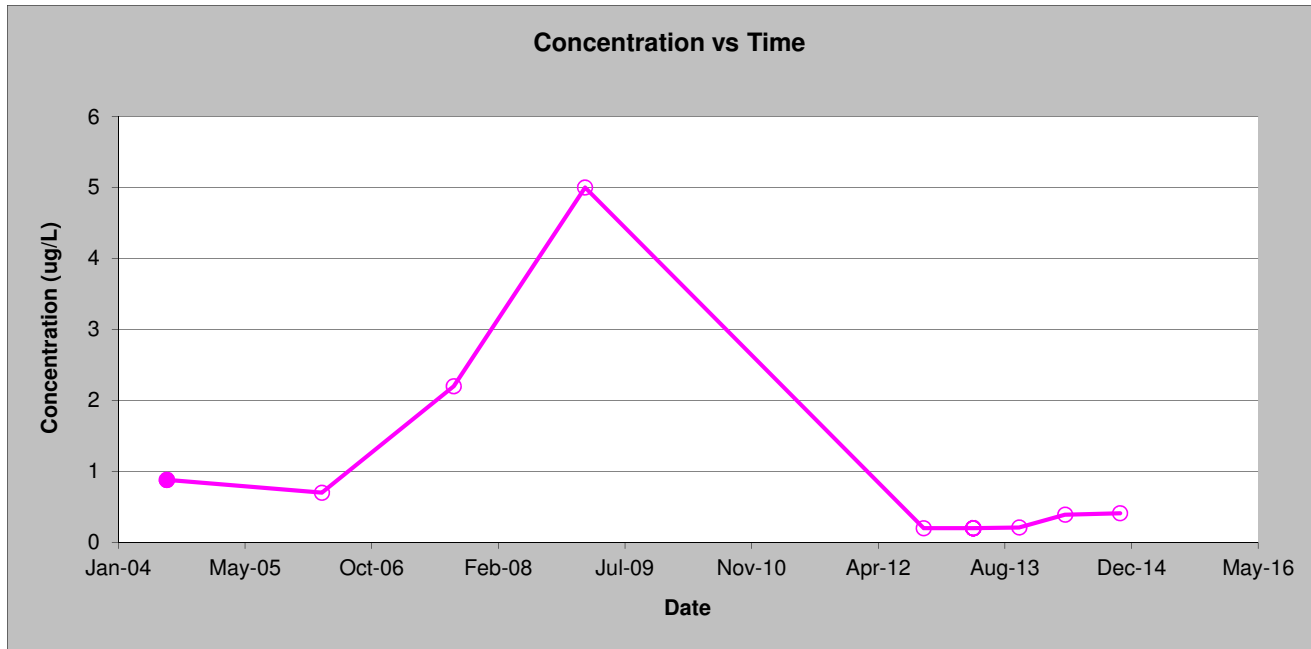
MW-213
1,1'-Oxybisbenzene
DuPont Brevard Site



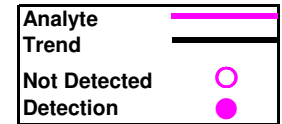
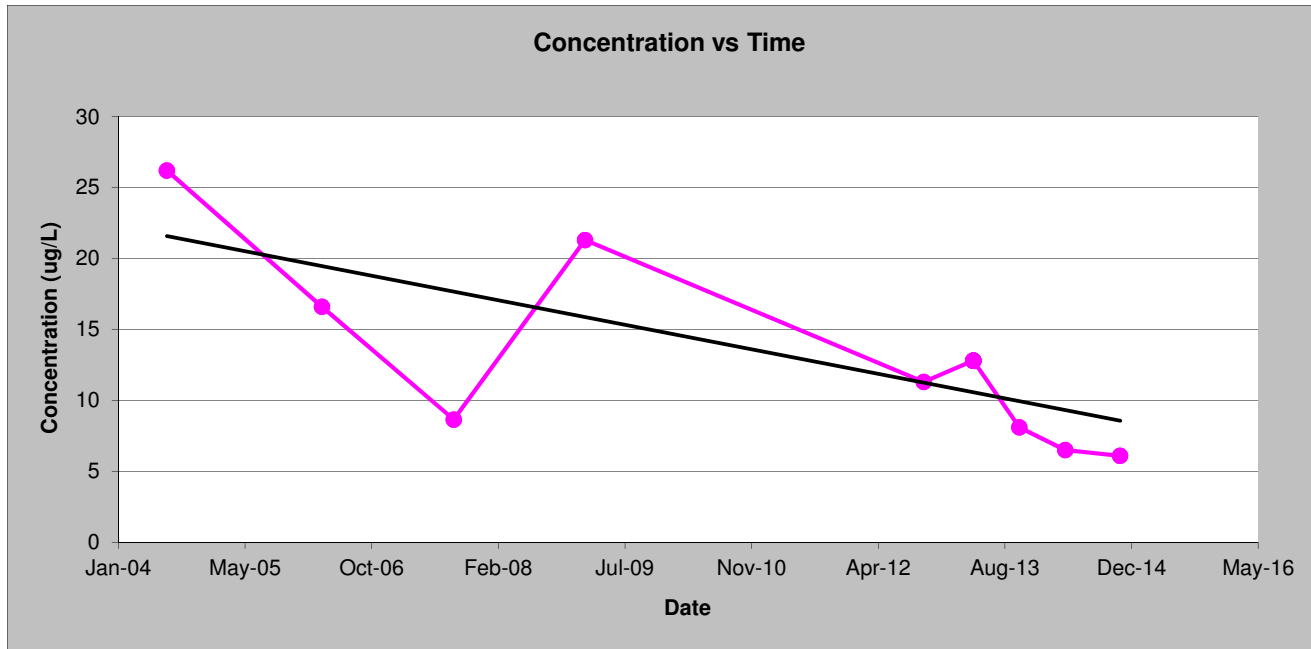
MW-213
Acenaphthene
DuPont Brevard Site



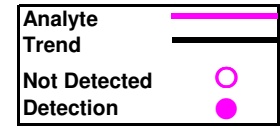
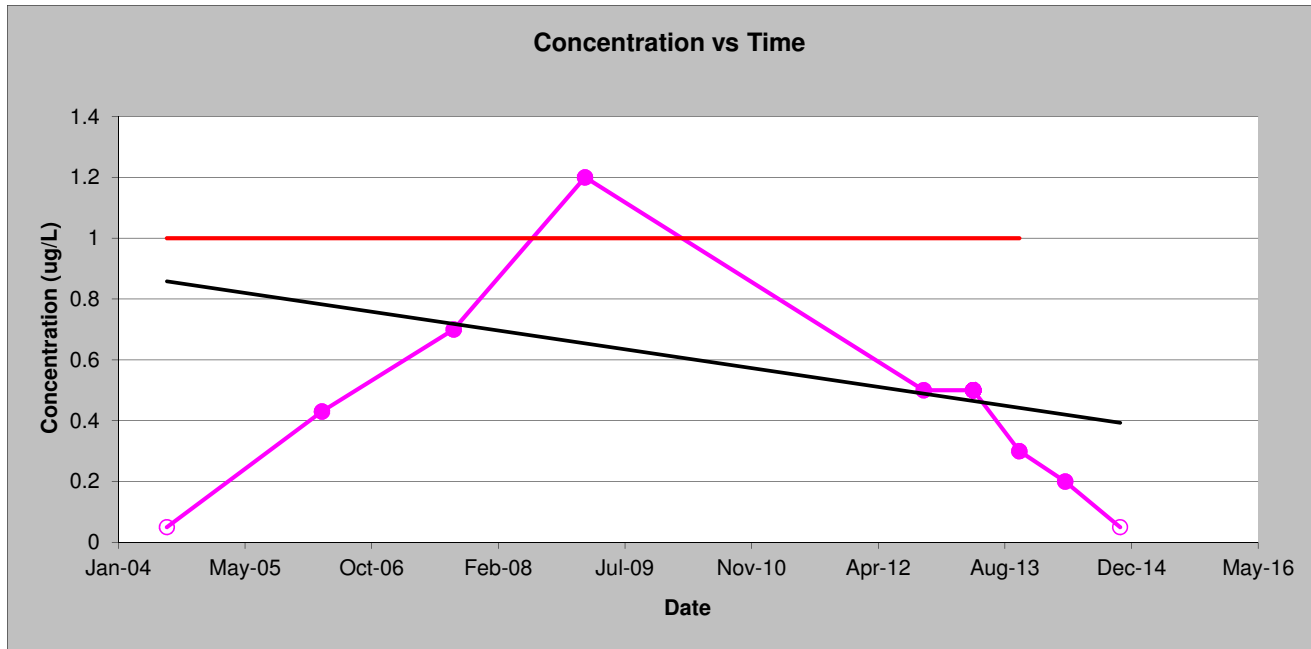
MW-213
Arsenic
DuPont Brevard Site



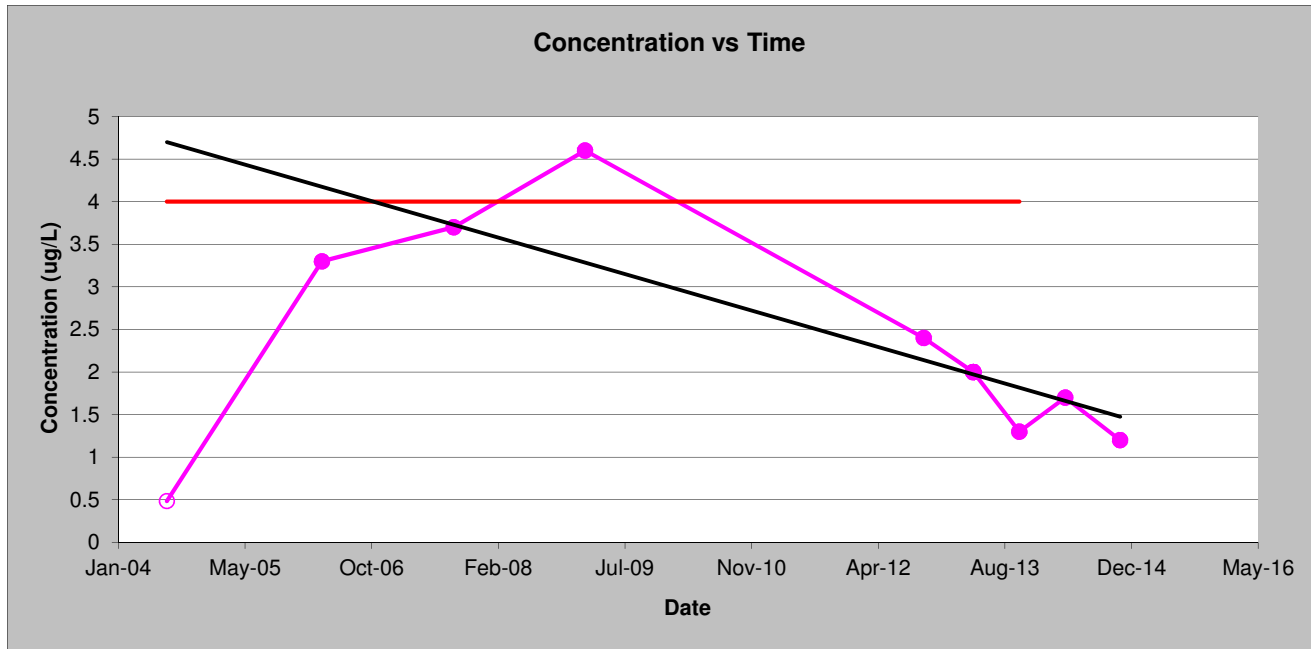
MW-213
Barium
DuPont Brevard Site



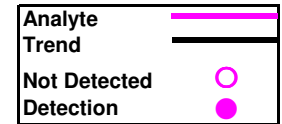
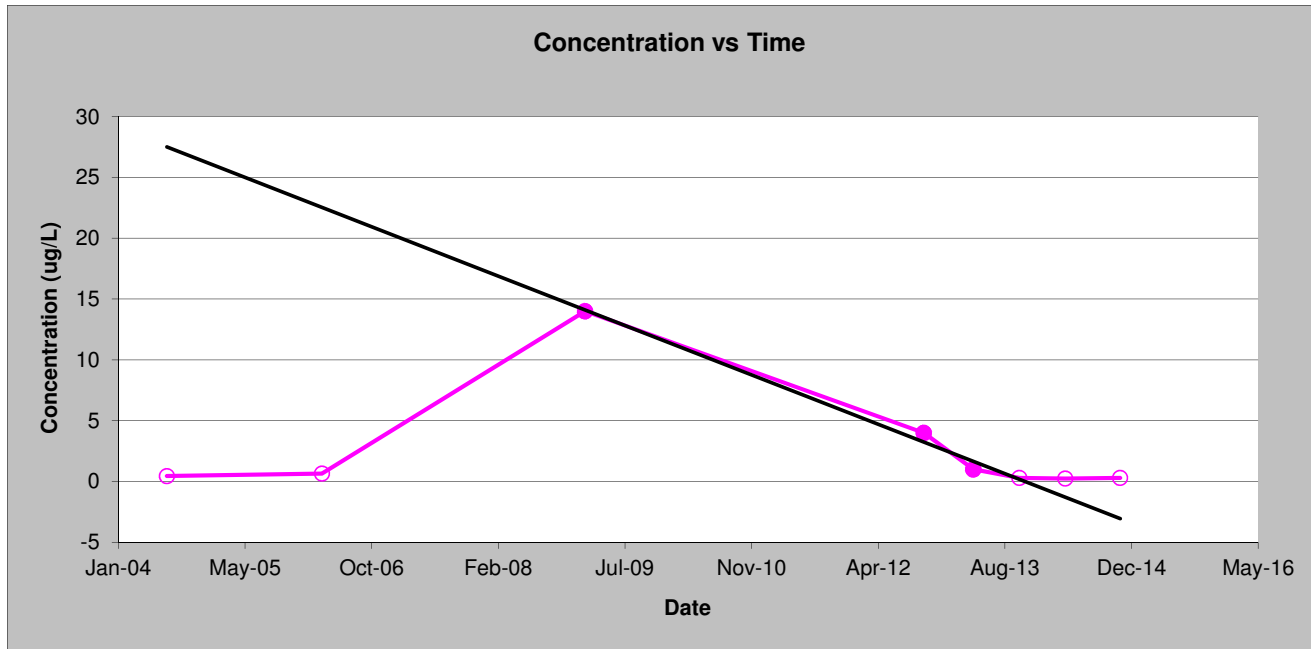
MW-213
Benzene
DuPont Brevard Site



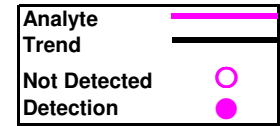
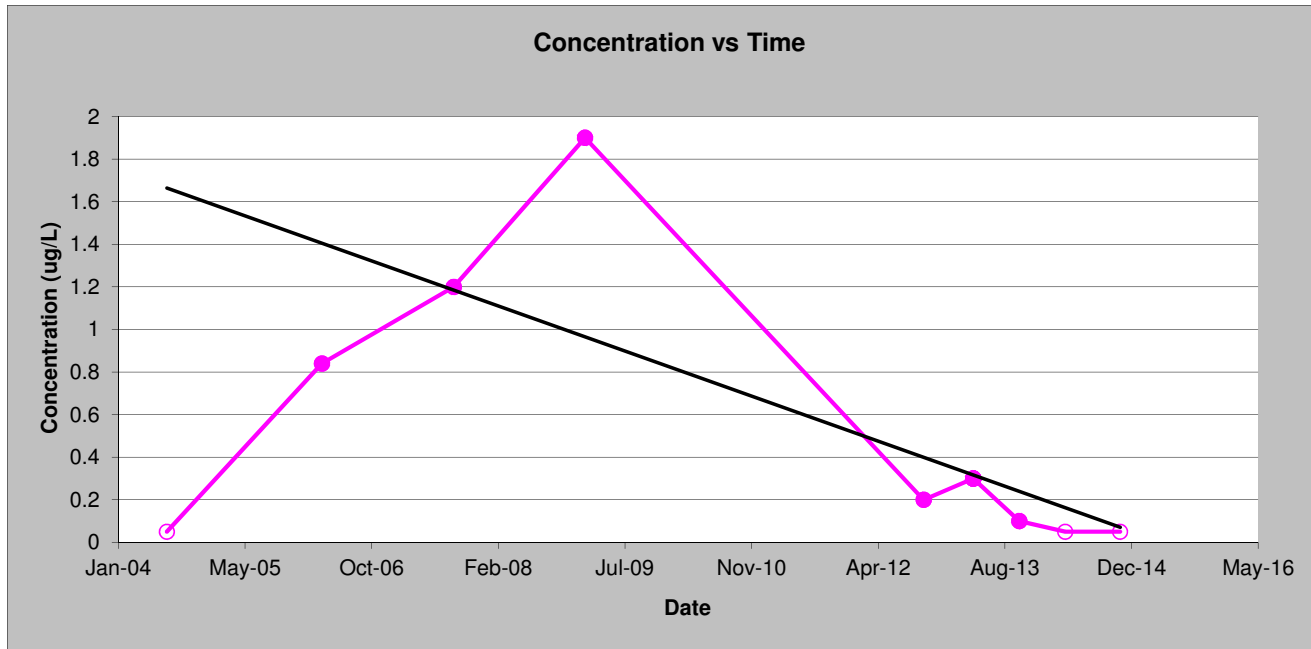
MW-213
Beryllium
DuPont Brevard Site



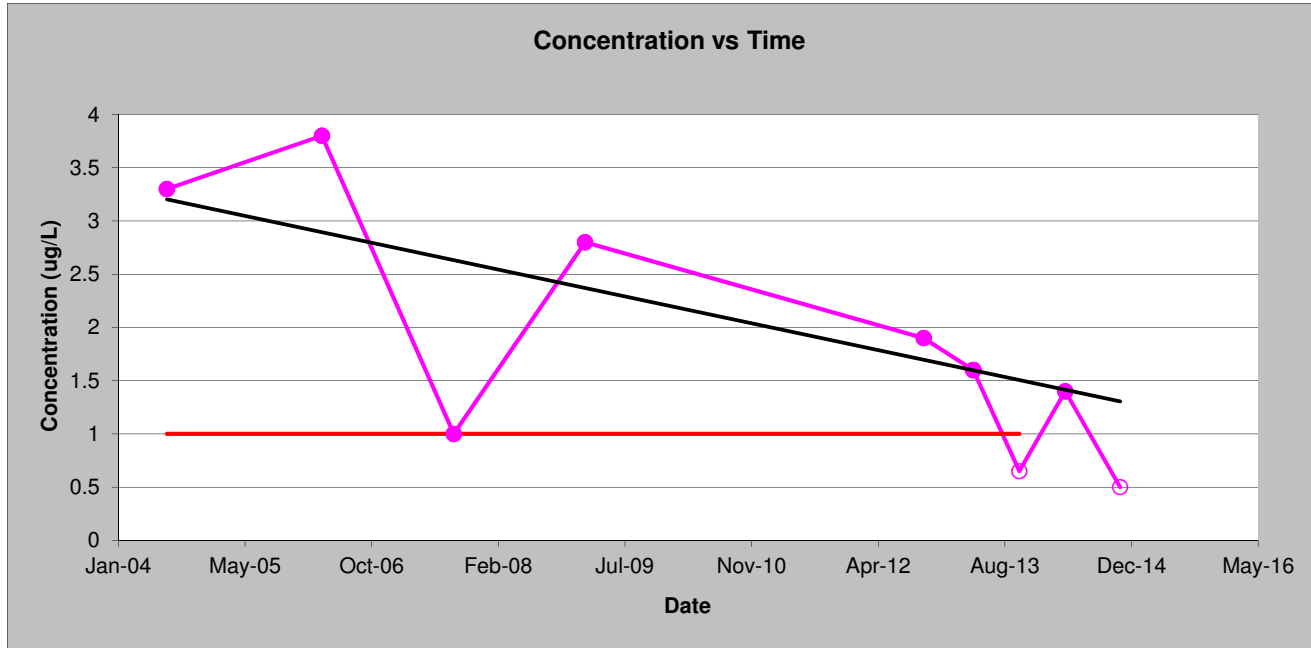
MW-213
Biphenyl
DuPont Brevard Site



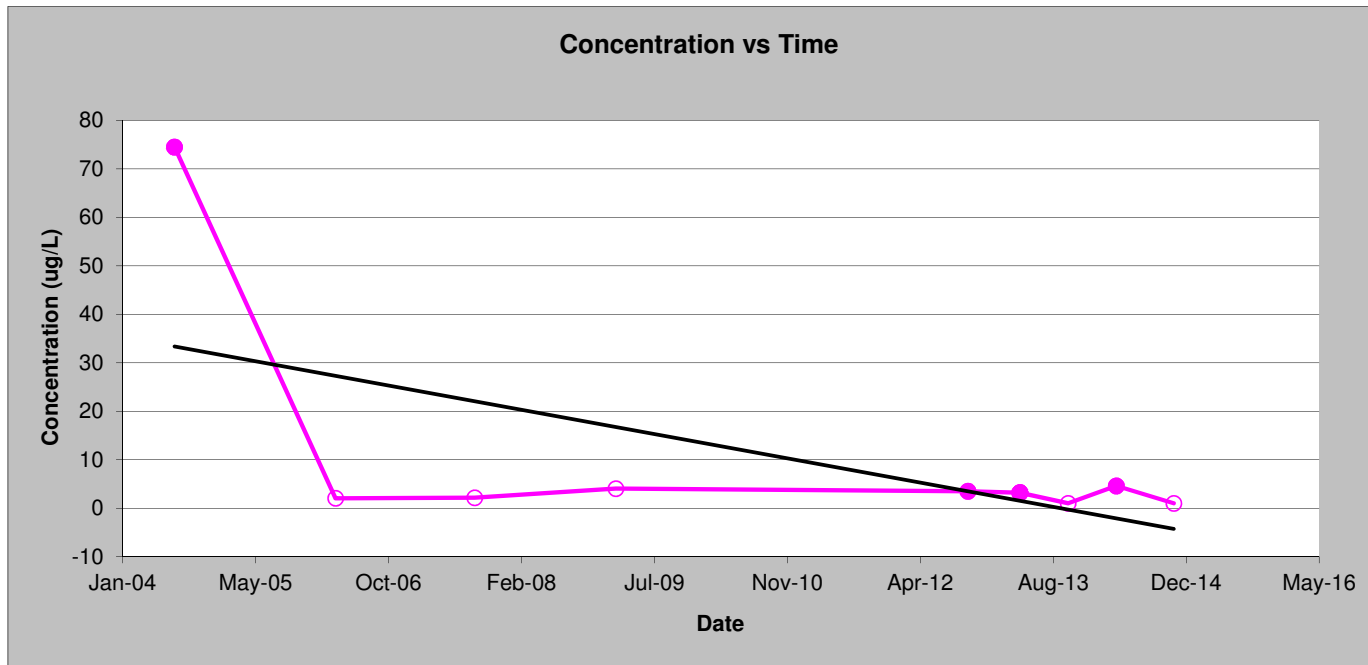
MW-213
cis-1,2 Dichloroethene
DuPont Brevard Site



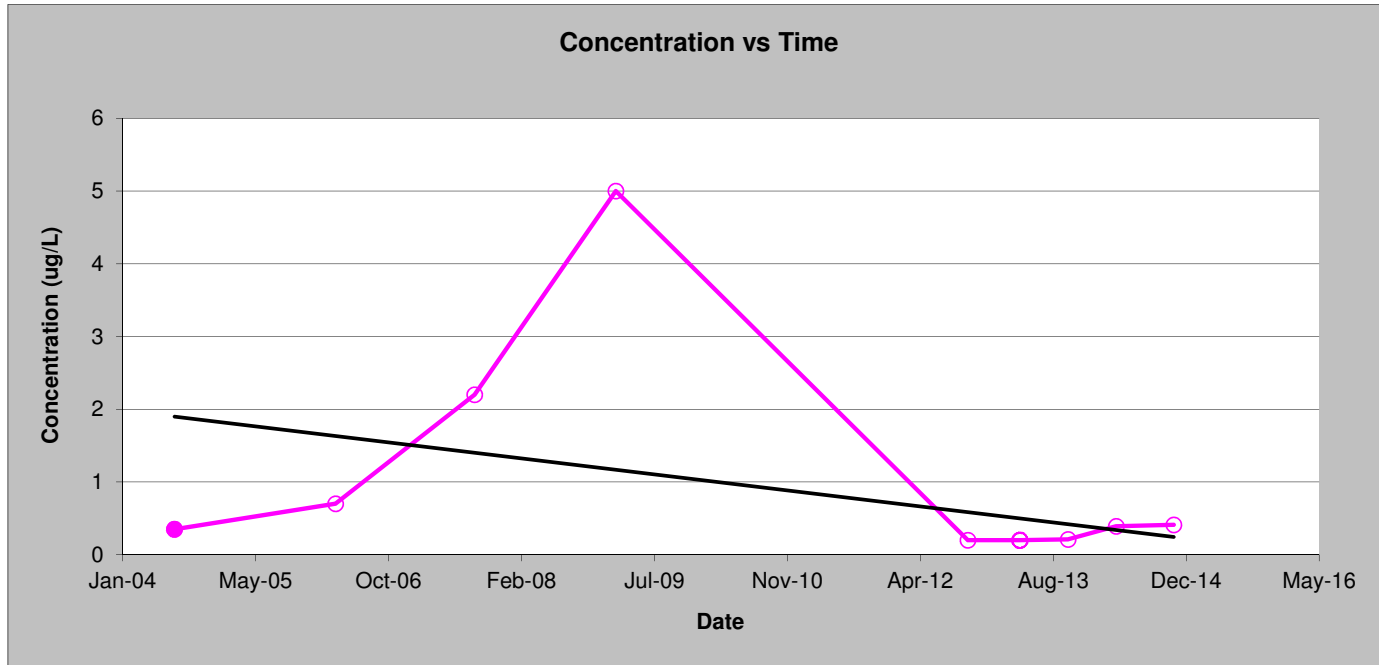
MW-213
Cobalt
DuPont Brevard Site



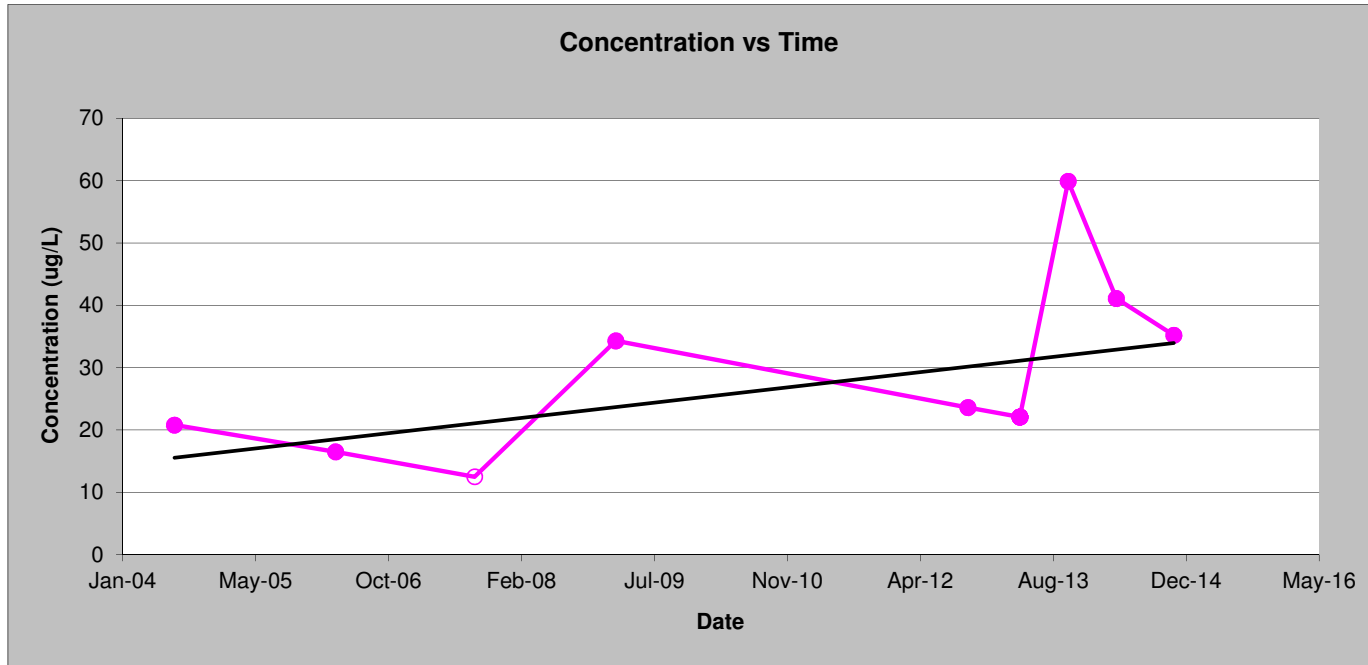
MW-216A
Zinc
DuPont Brevard Site



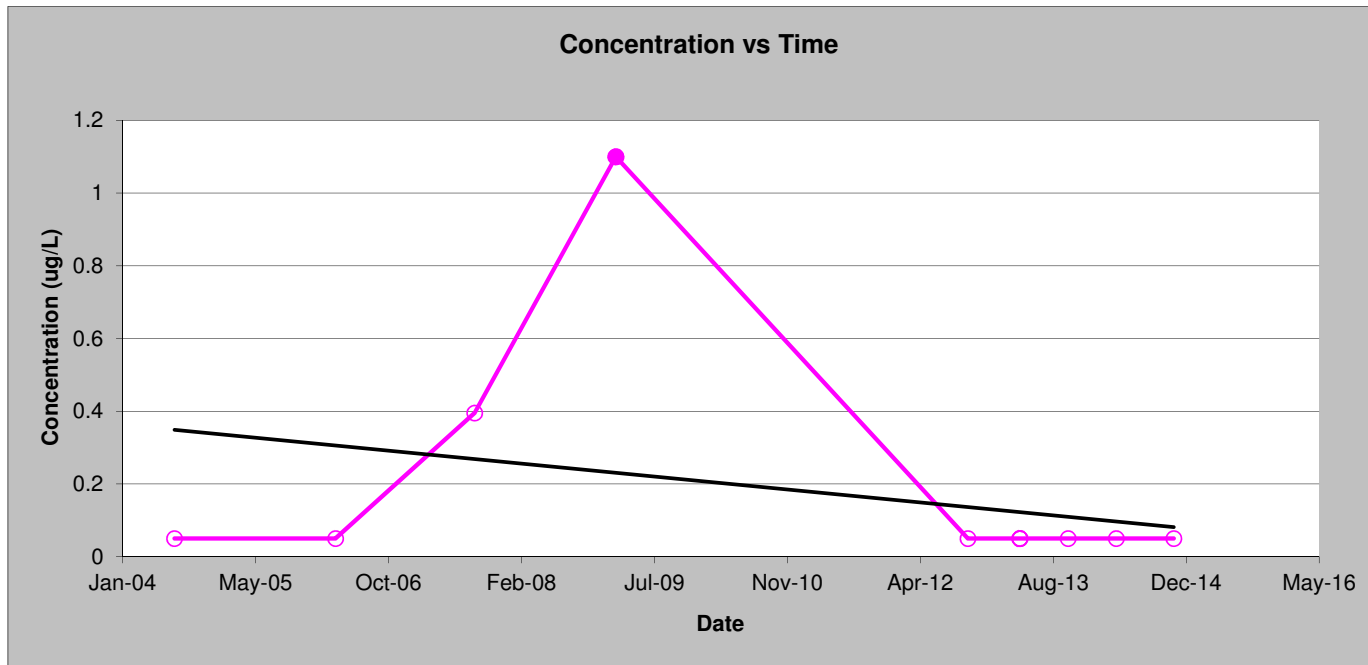
MW-216A
Arsenic
DuPont Brevard Site



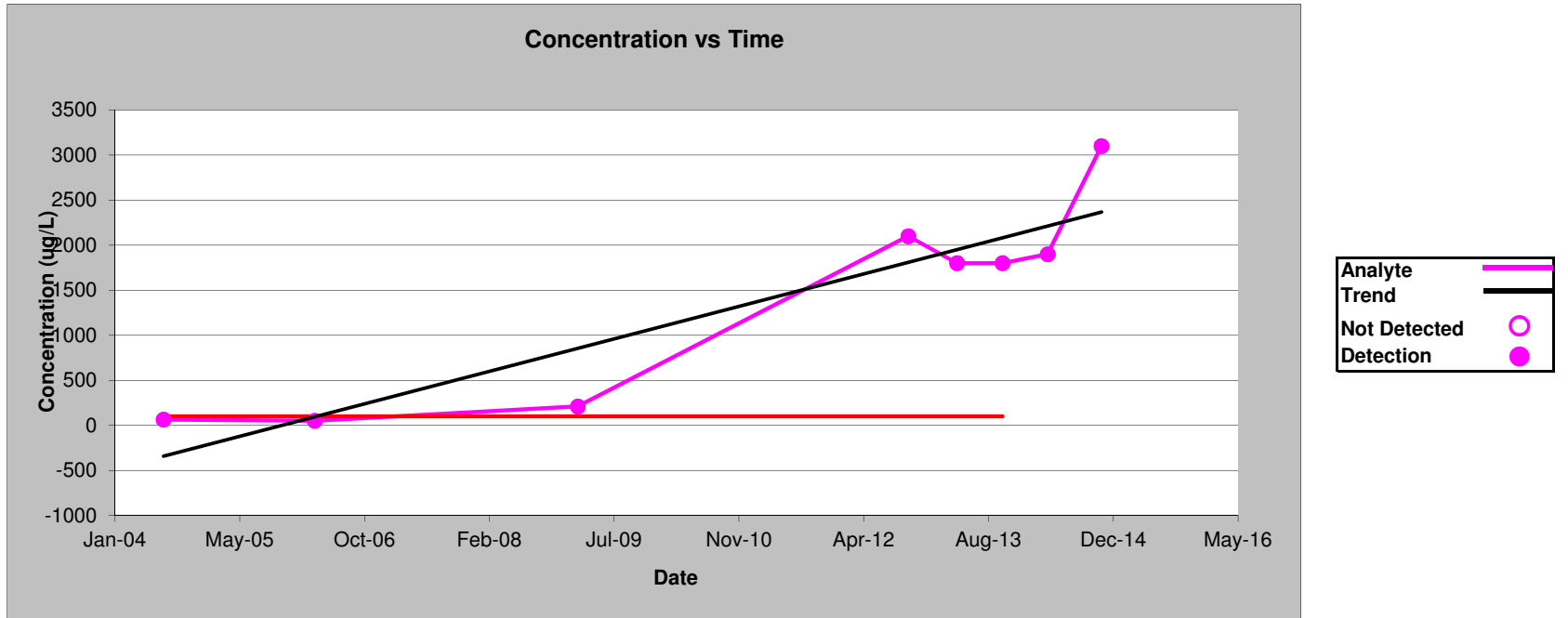
MW-216A
Barium
DuPont Brevard Site



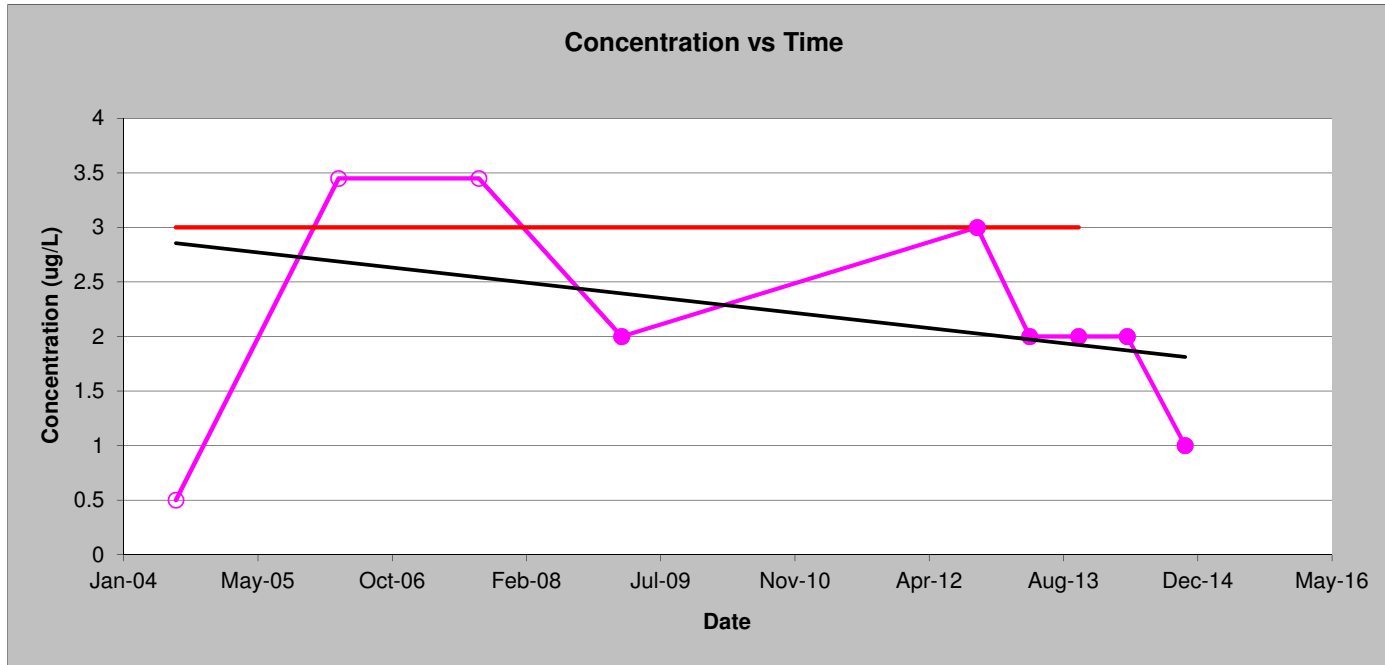
MW-216A
Chloroform
DuPont Brevard Site



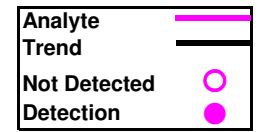
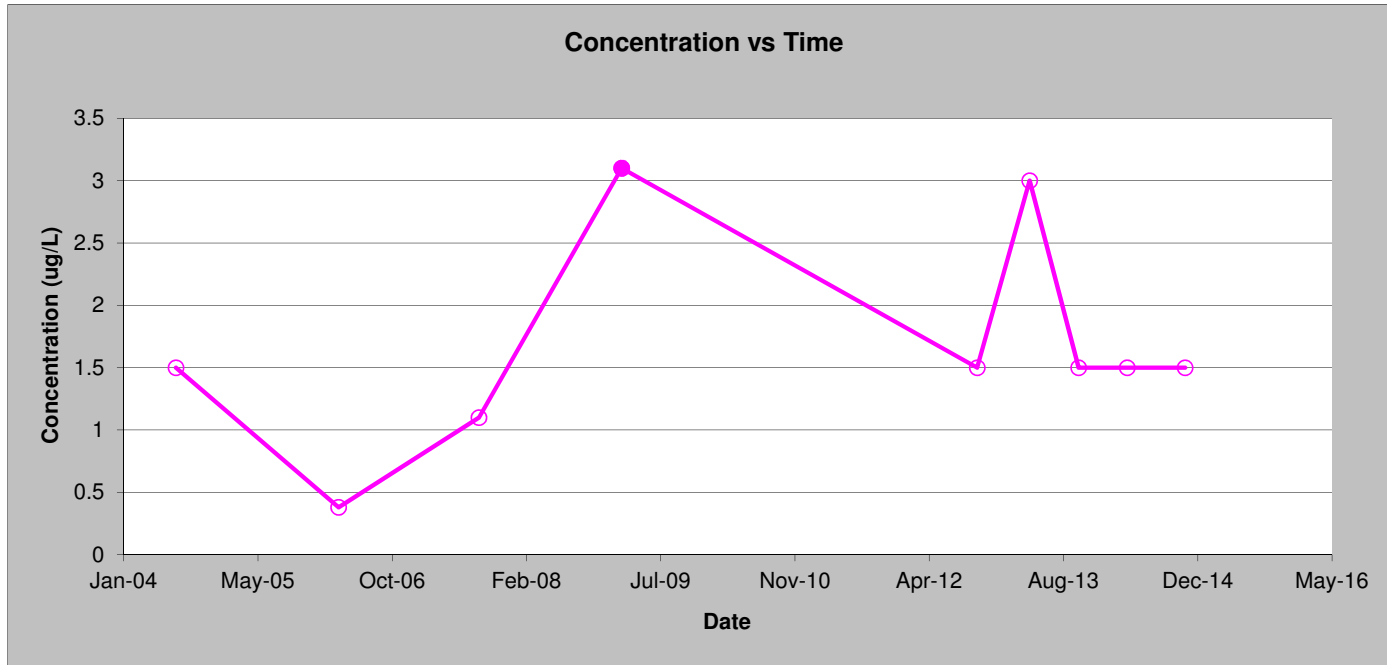
MW-216B
1,1'-Oxybisbenzene
DuPont Brevard Site



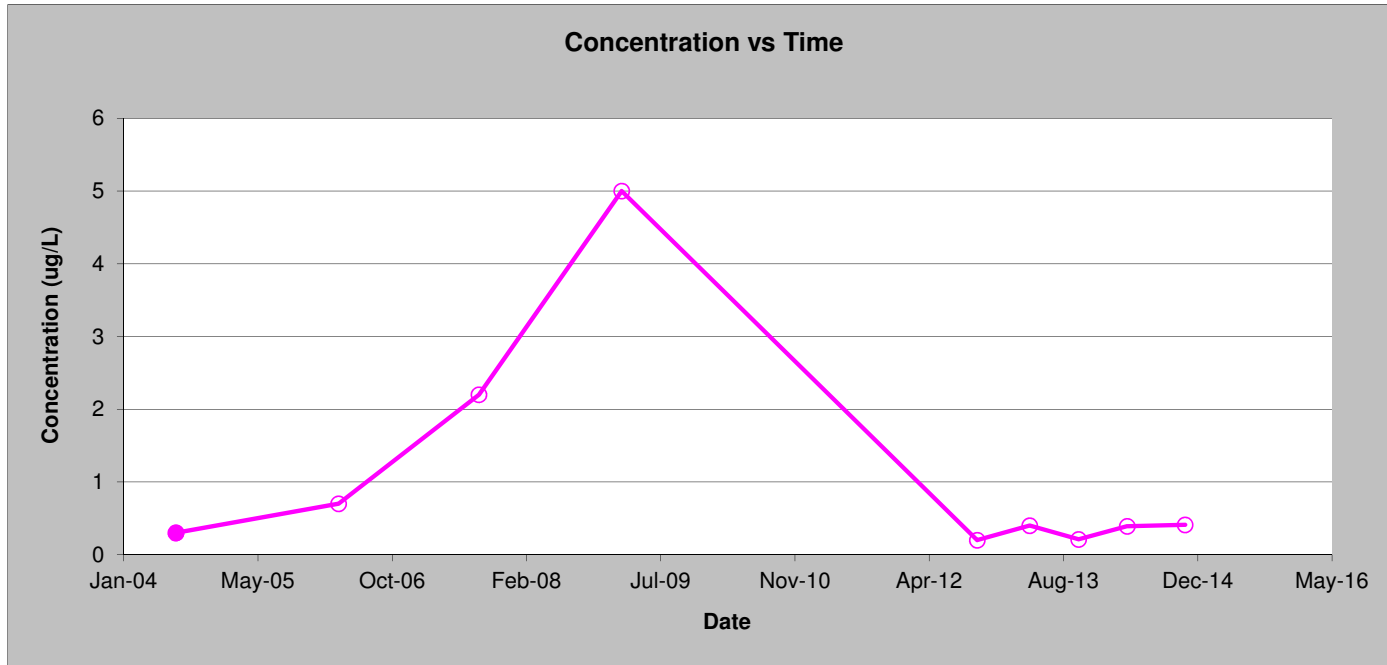
MW-216B
1,4-Dioxane
DuPont Brevard Site



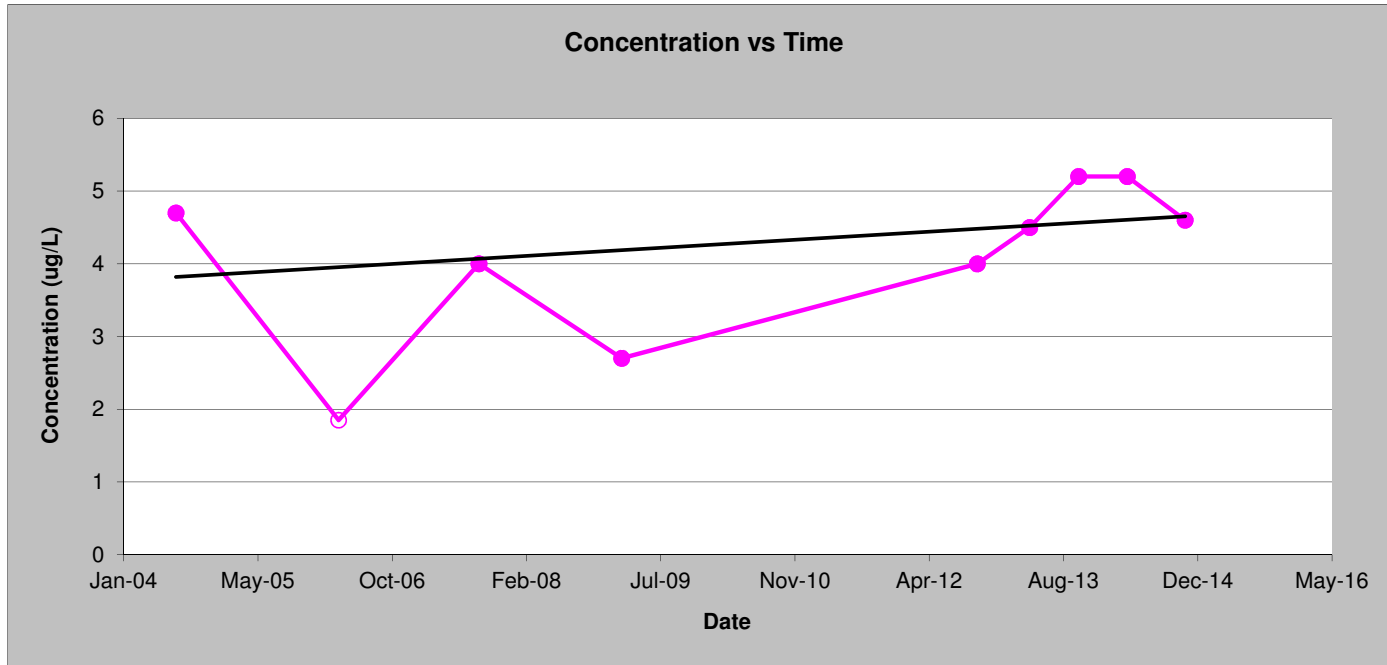
MW-216B
Acetone
DuPont Brevard Site



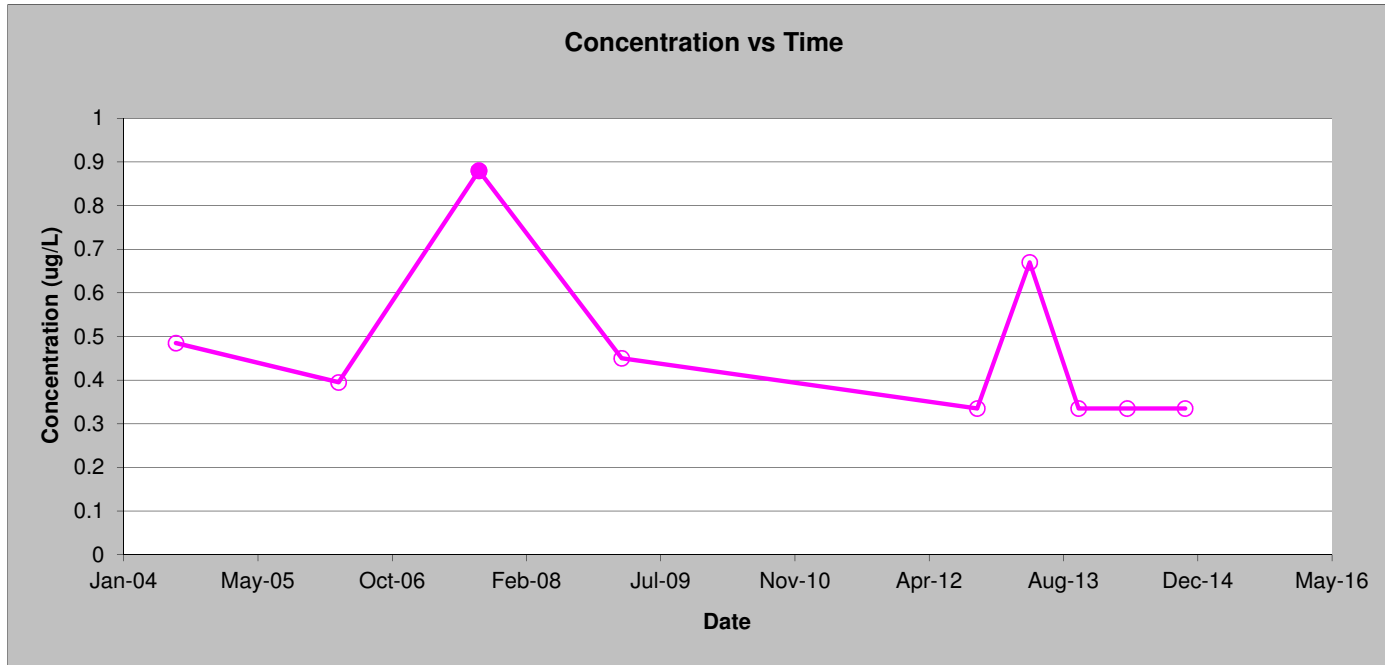
MW-216B
Arsenic
DuPont Brevard Site



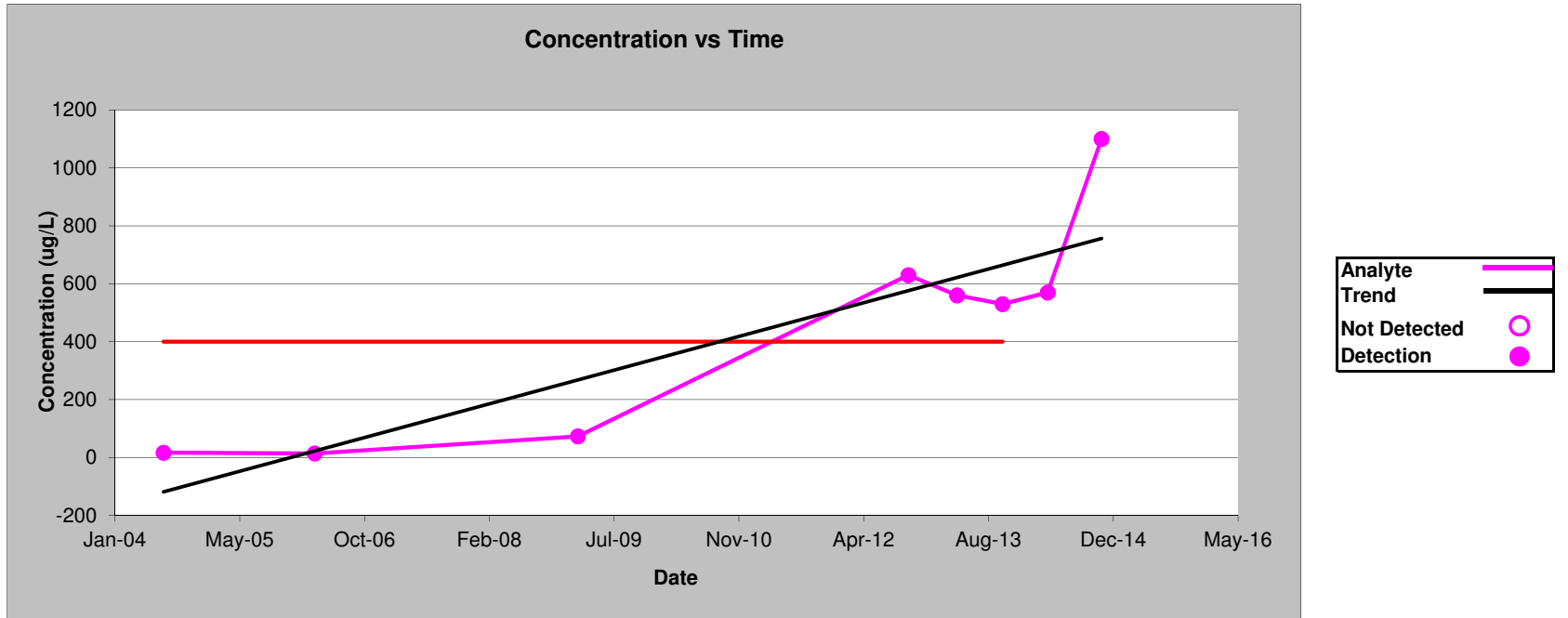
MW-216B
Barium
DuPont Brevard Site



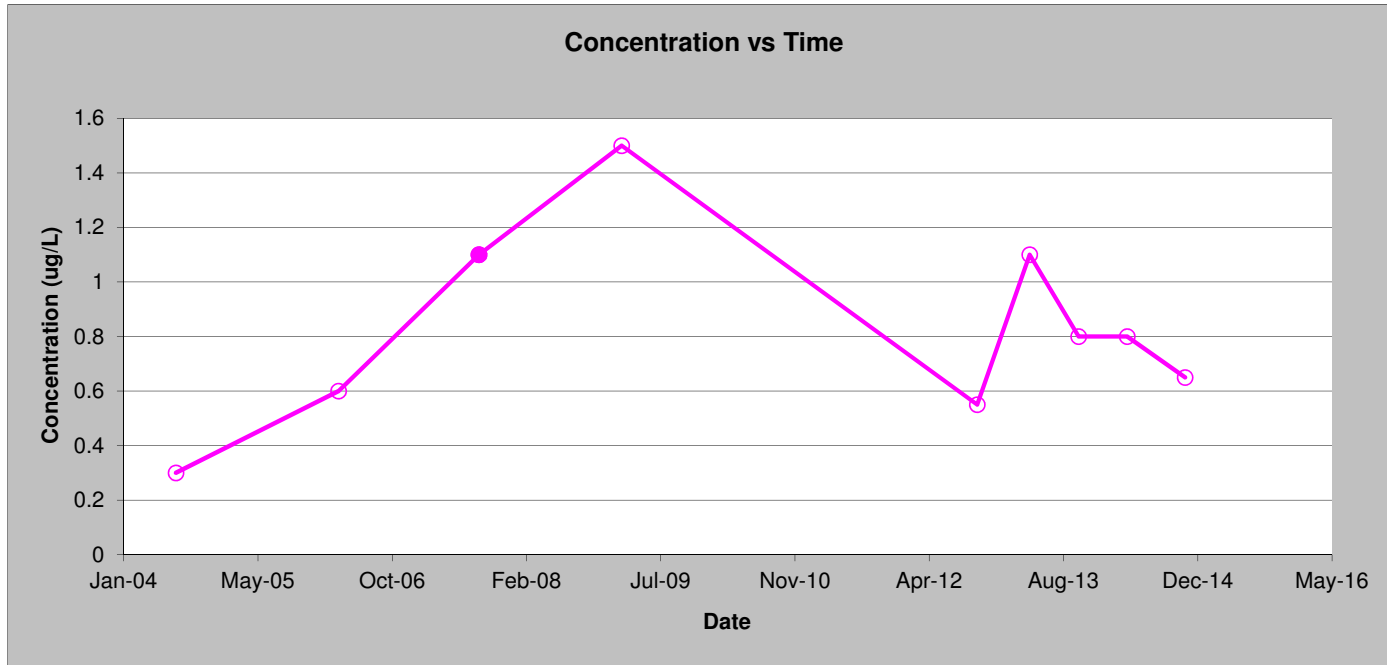
MW-216B
Beryllium
DuPont Brevard Site



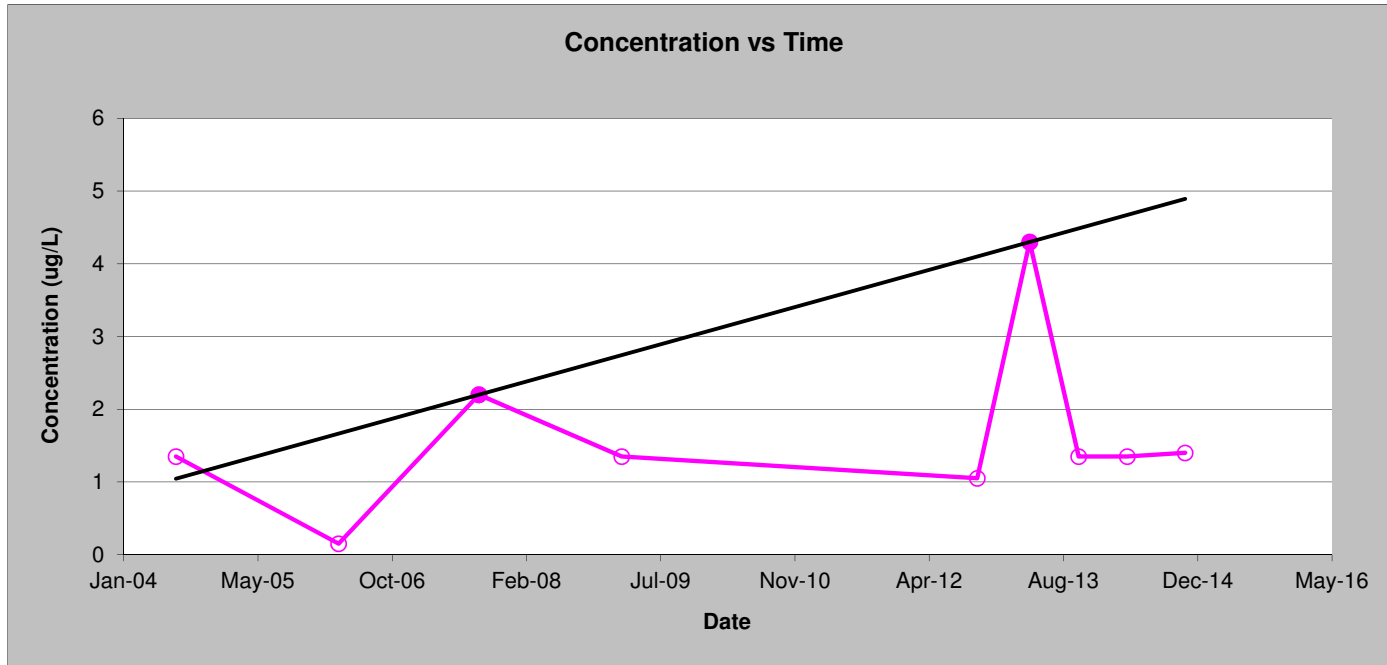
MW-216B
Biphenyl
DuPont Brevard Site



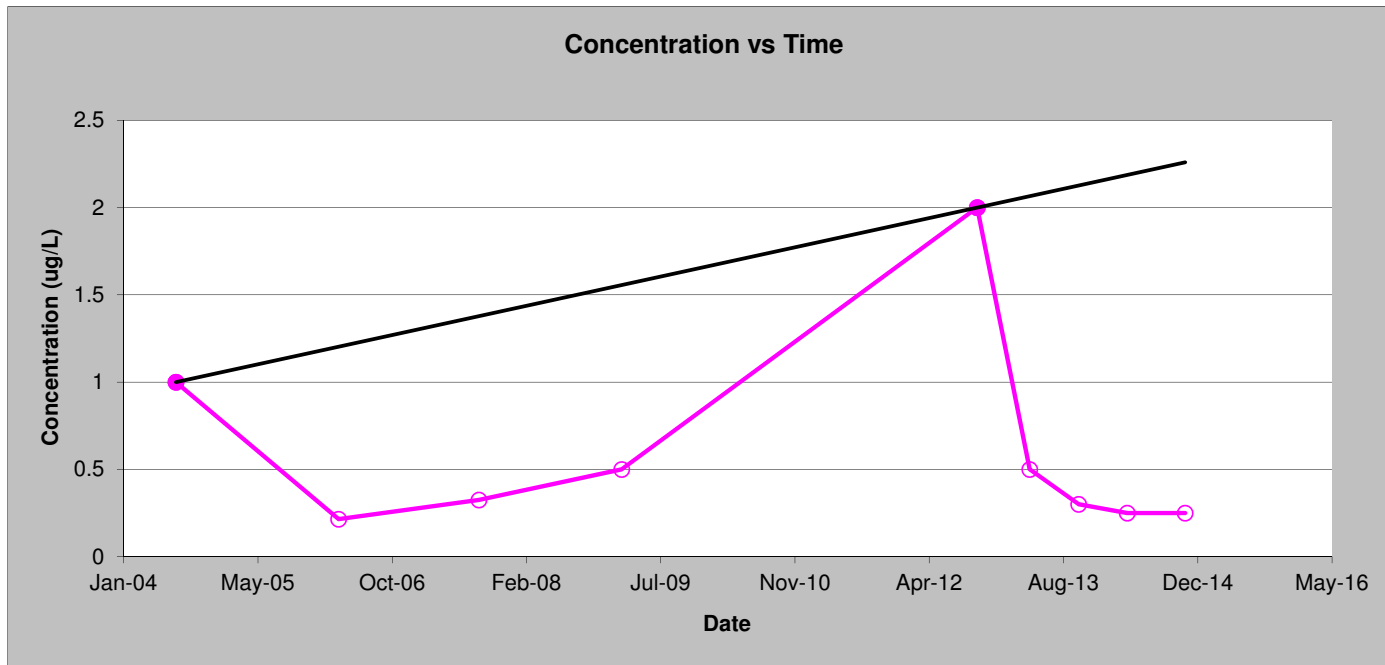
MW-216B
Chromium
DuPont Brevard Site



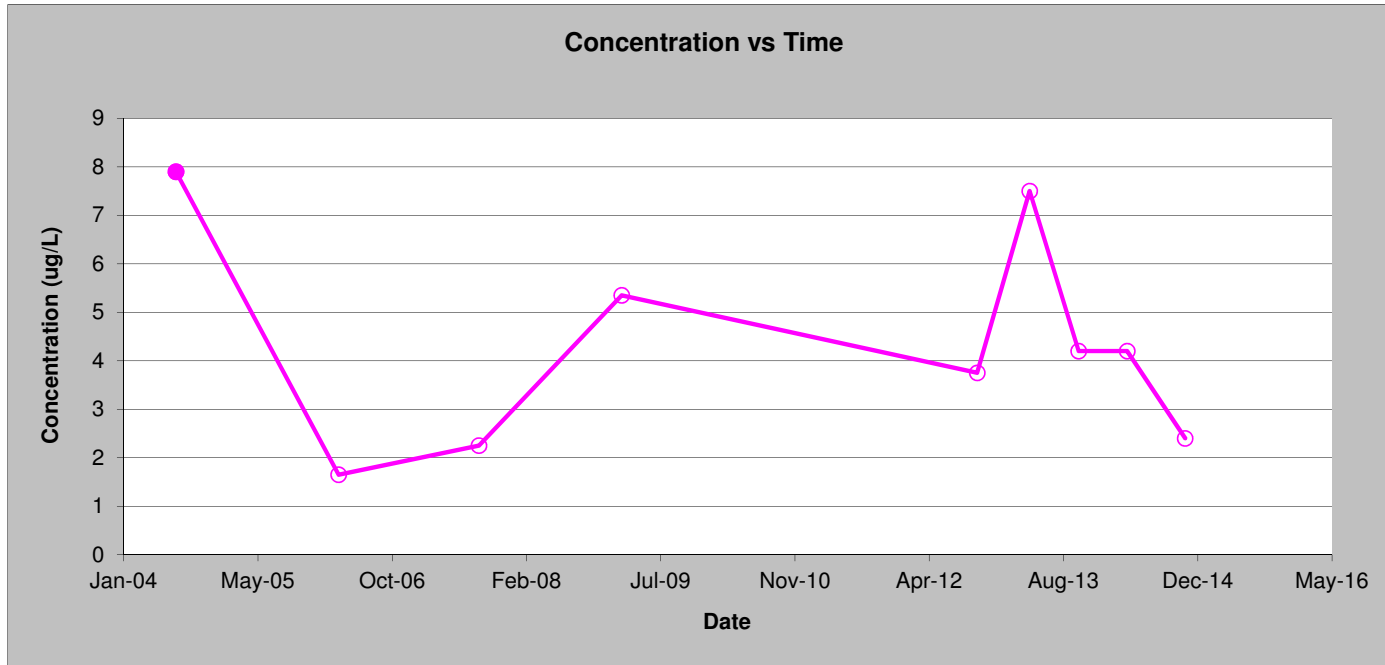
MW-216B
Copper
DuPont Brevard Site



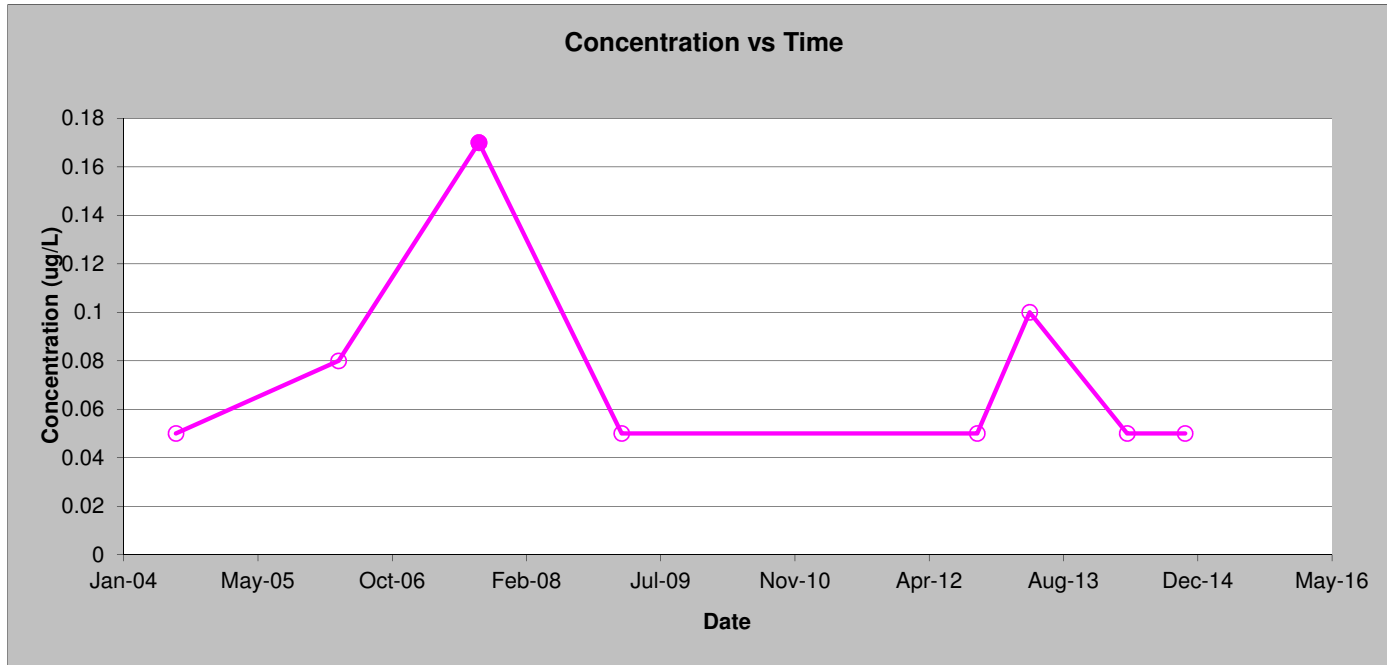
MW-216B
Phenol
DuPont Brevard Site



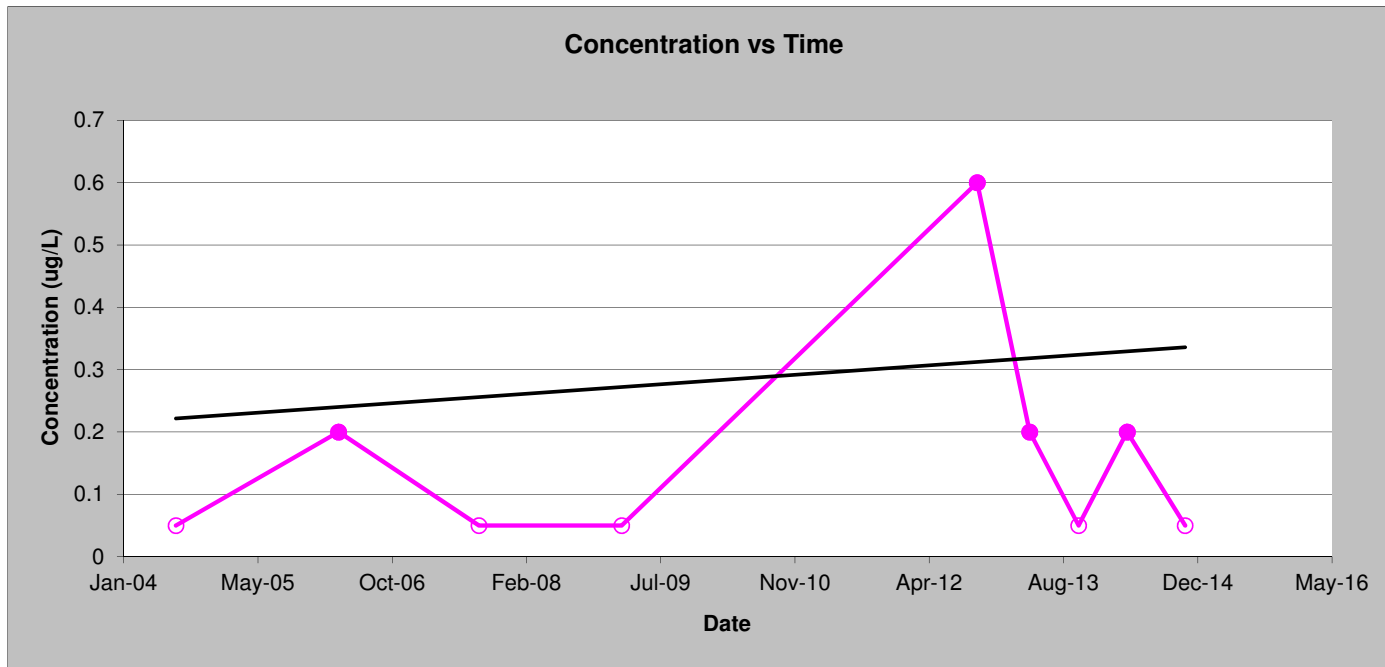
MW-216B
Selenium
DuPont Brevard Site



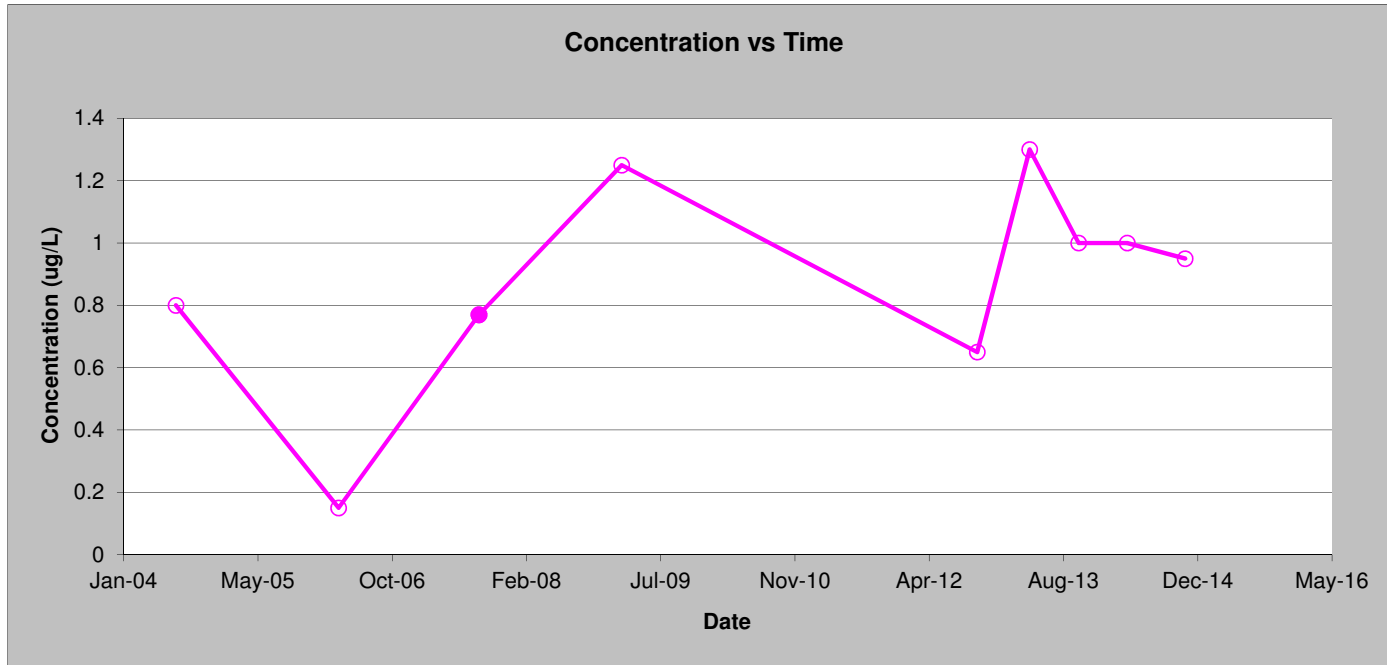
MW-216B
Tetrachloroethylene
DuPont Brevard Site



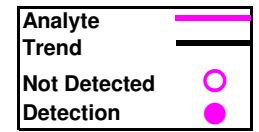
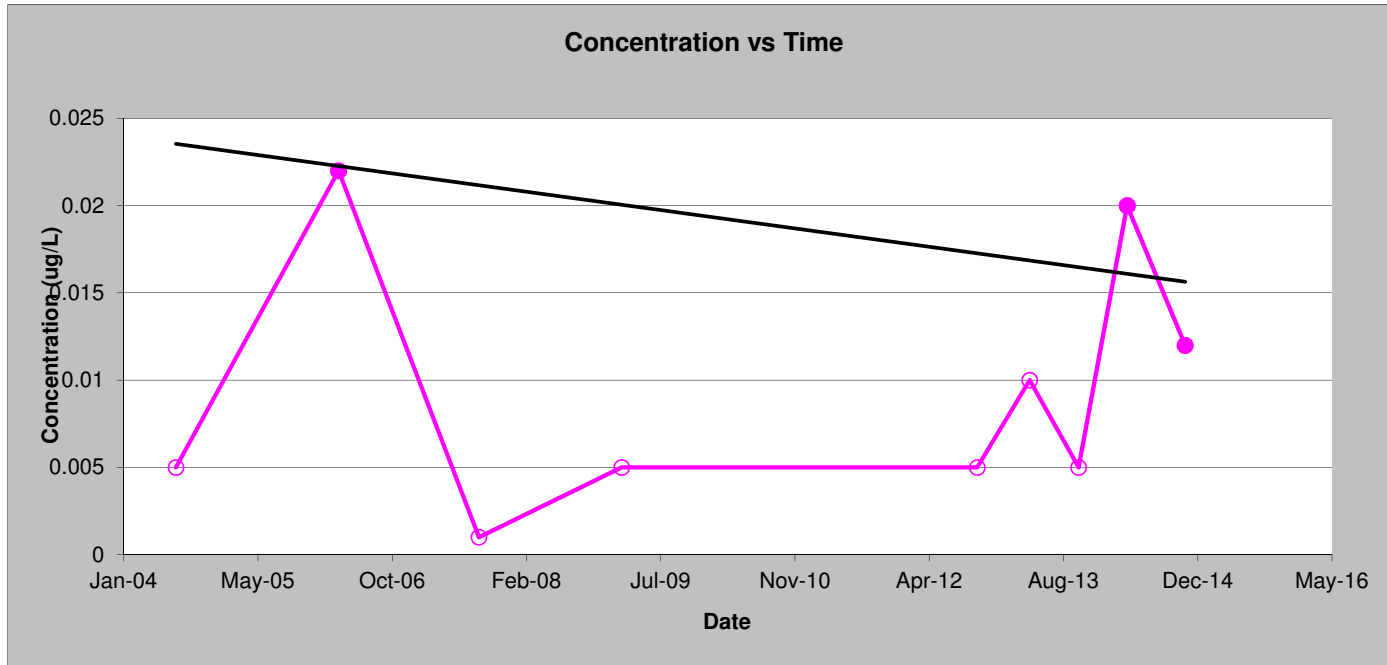
MW-216B
Toluene
DuPont Brevard Site



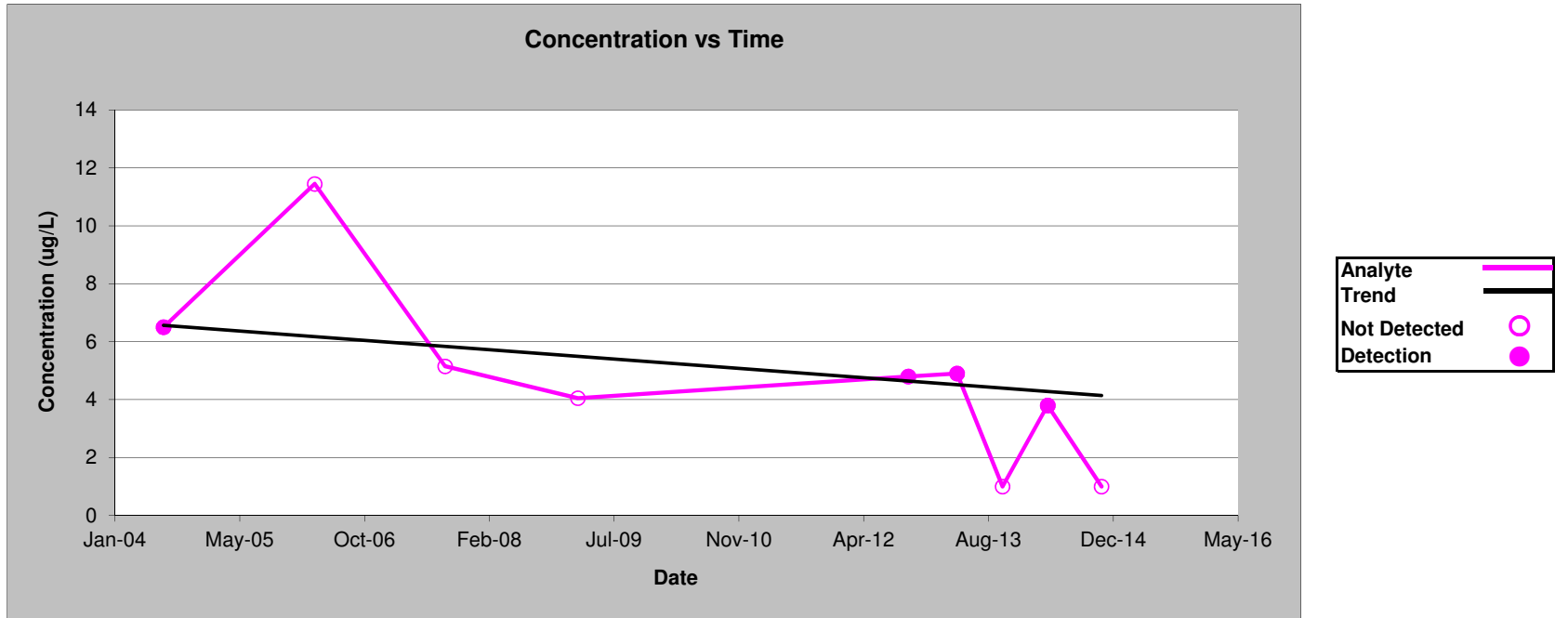
MW-216B
Vanadium
DuPont Brevard Site



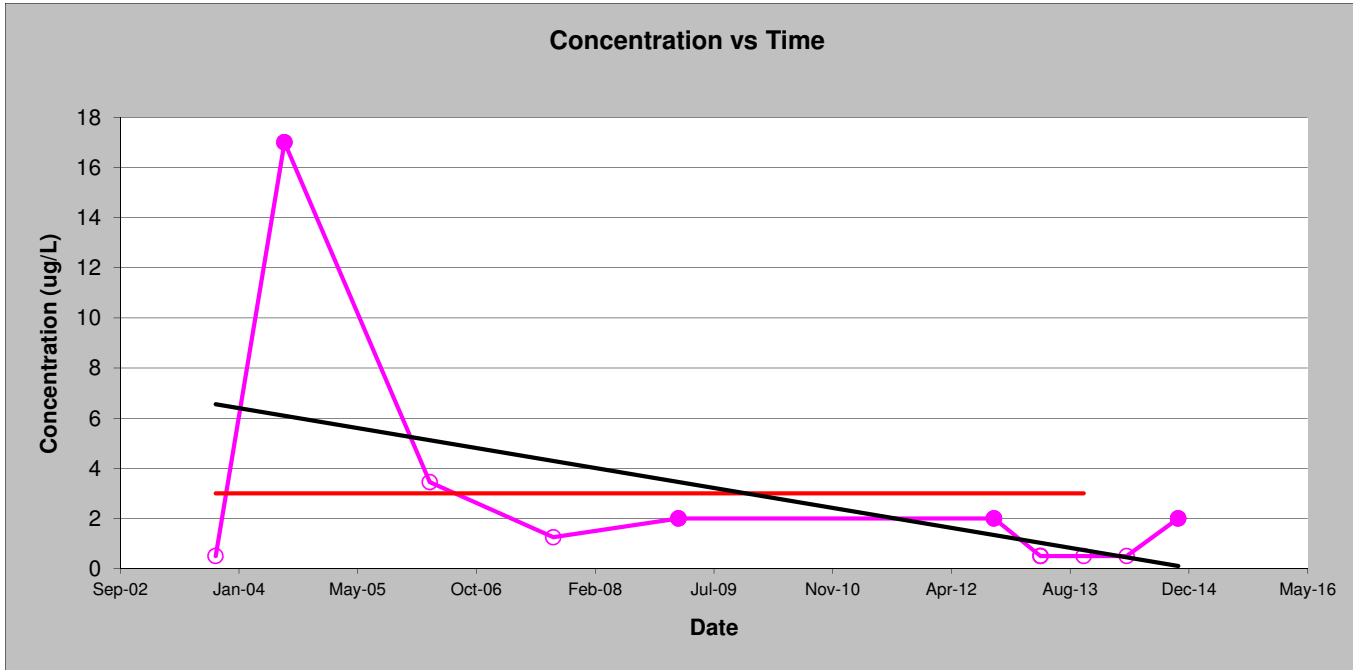
MW-216B
Vinylchloroide
DuPont Brevard Site



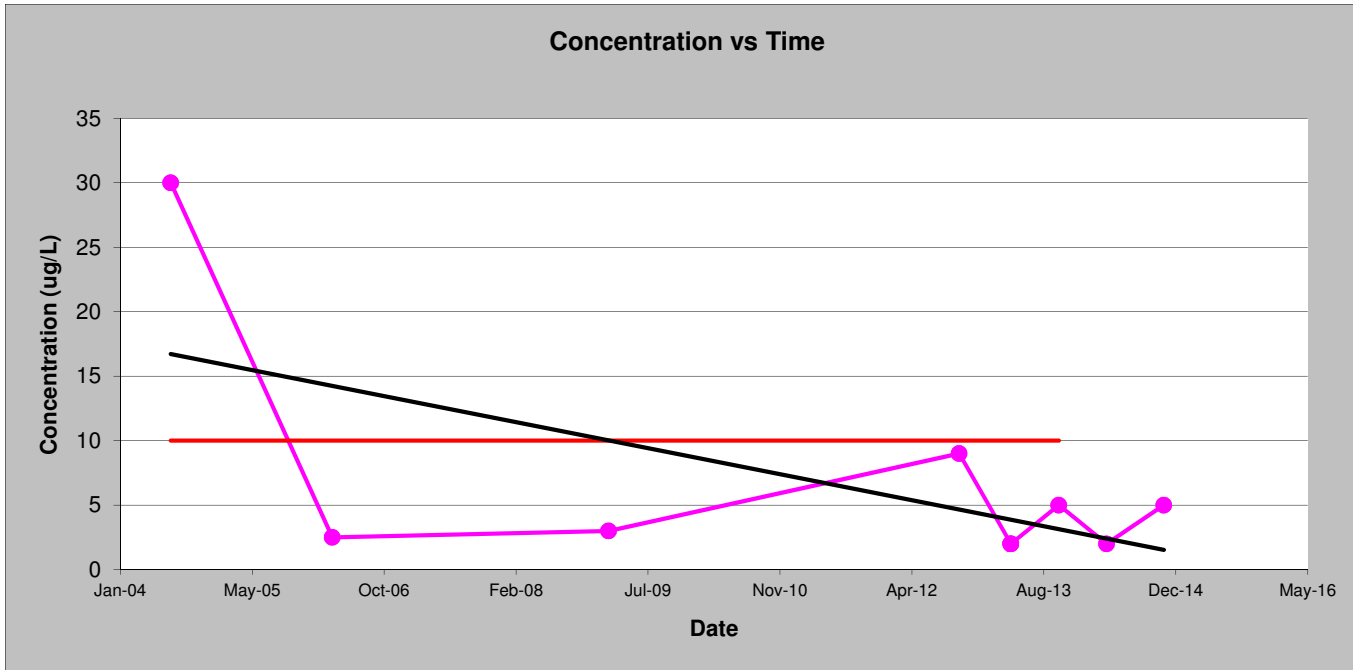
MW-216B
Zinc
DuPont Brevard Site



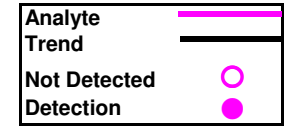
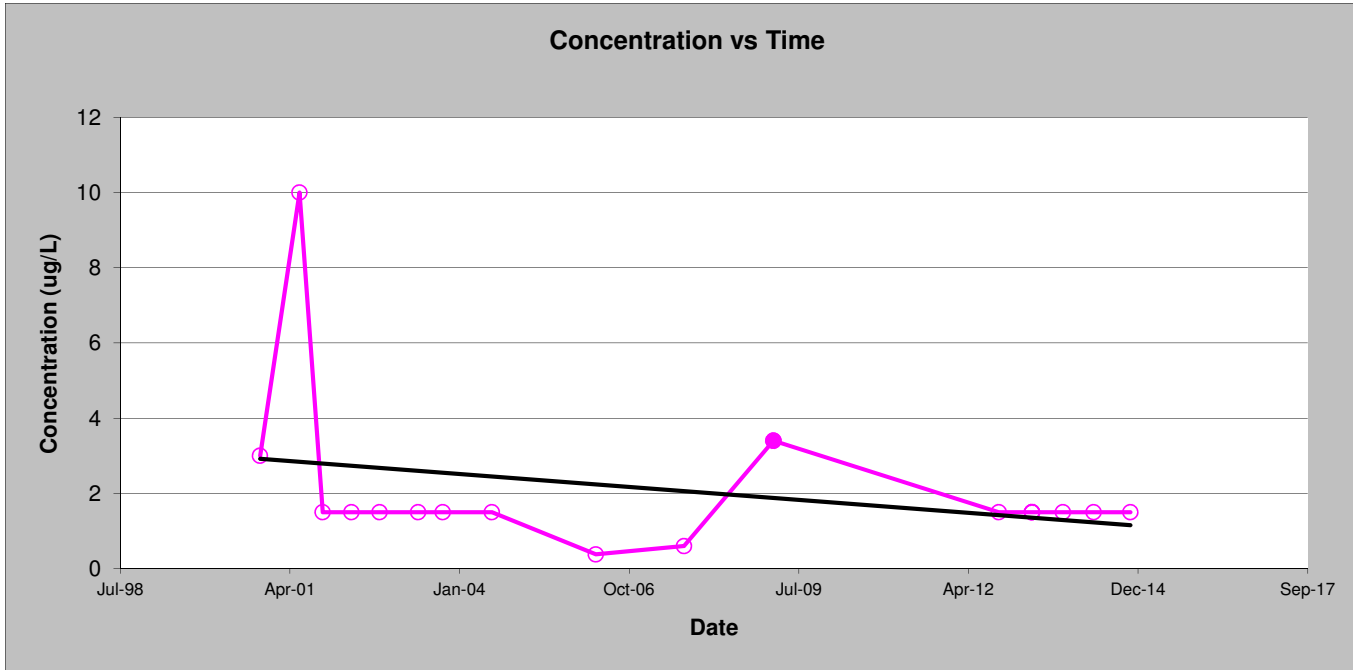
R87-S8
1,4-Dioxane
DuPont Brevard Site



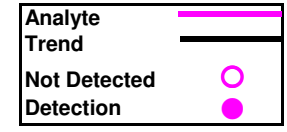
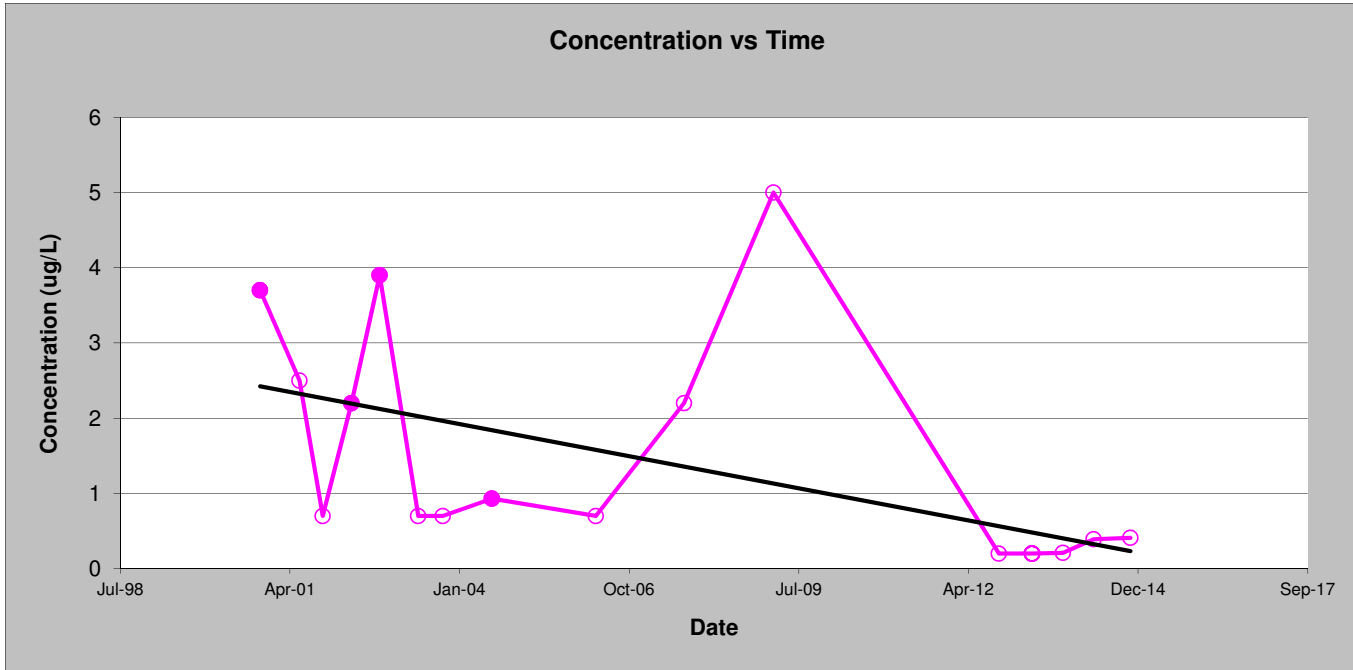
R87-S8
1,1'-Oxybisbenzene
DuPont Brevard Site



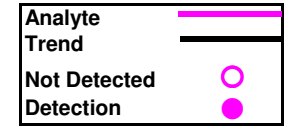
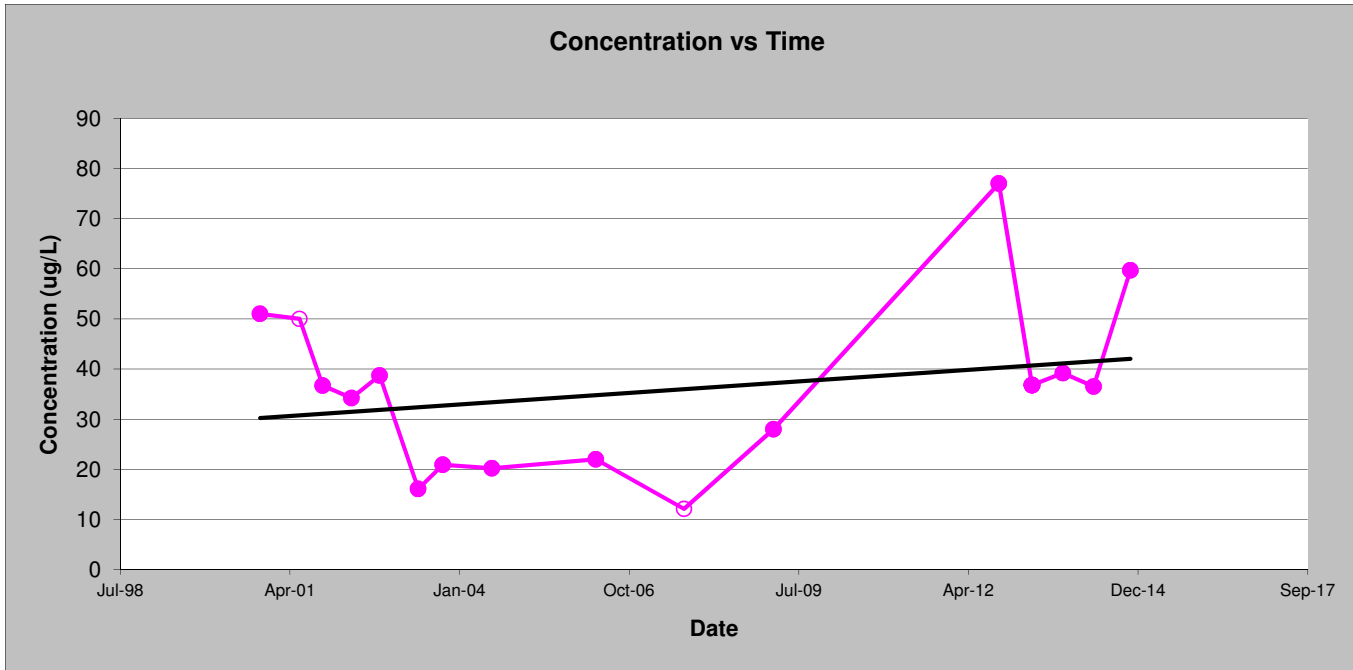
R87-S8
Acetone
DuPont Brevard Site



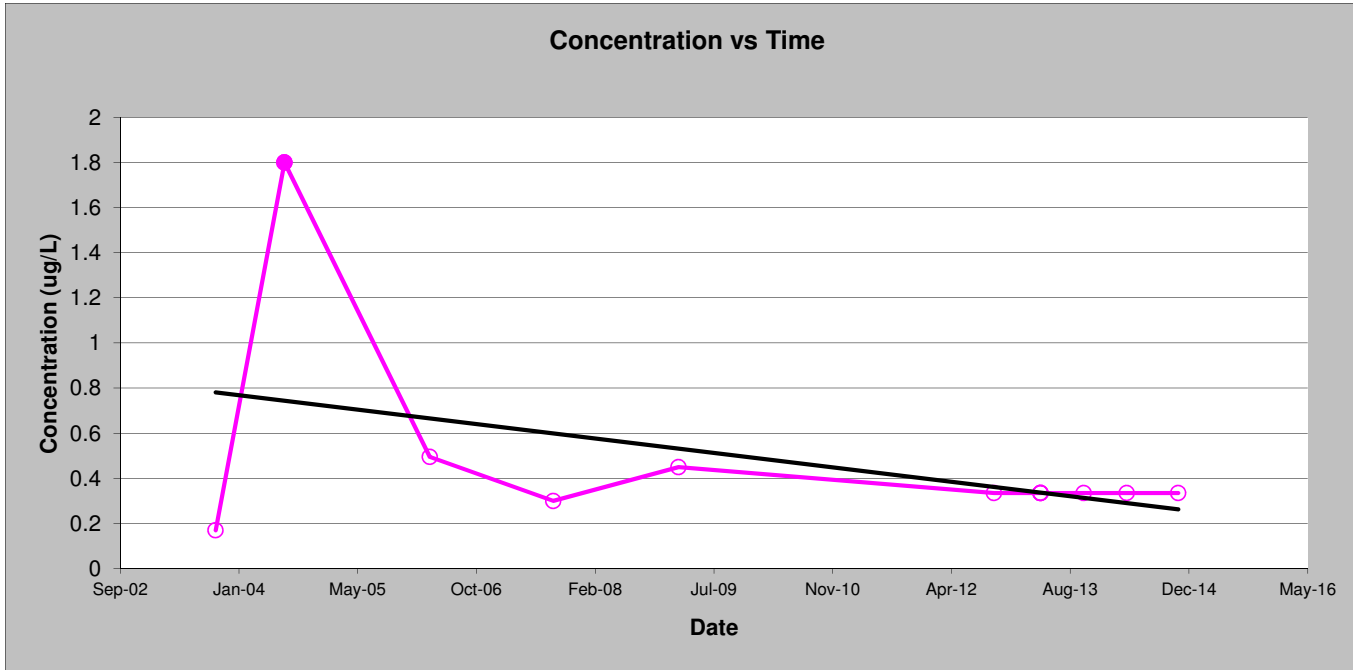
R87-S8
Arsenic
DuPont Brevard Site



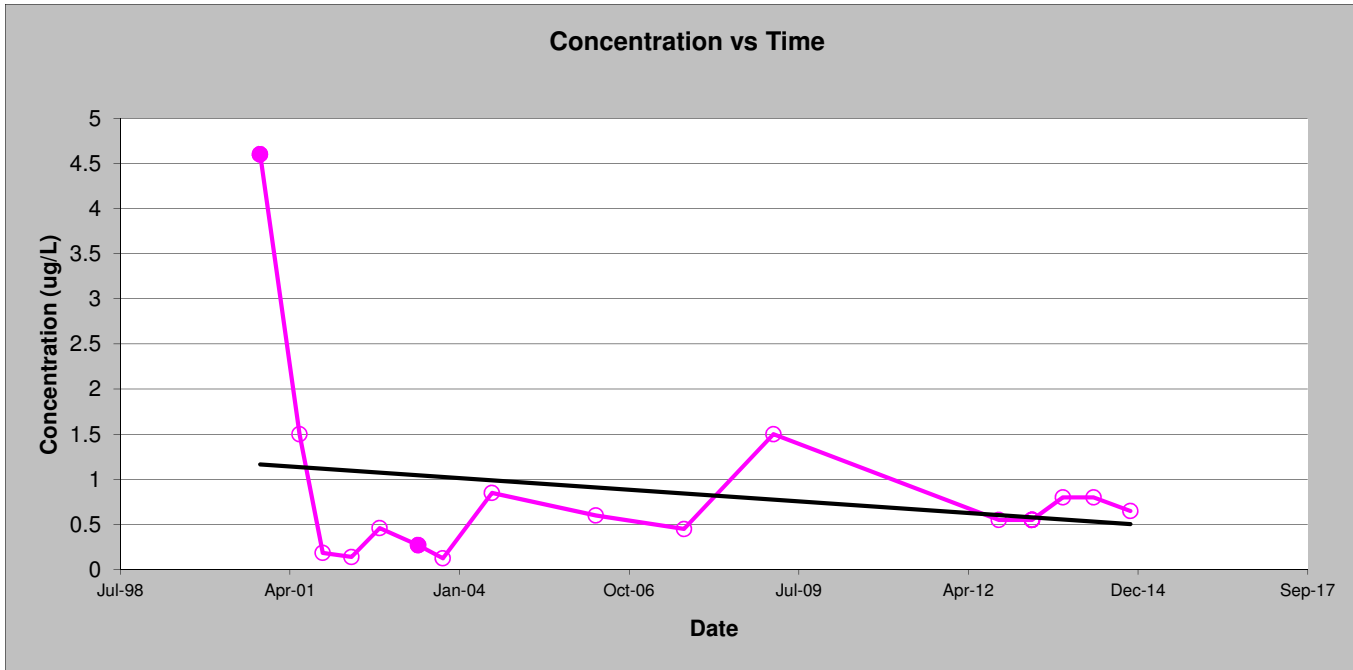
R87-S8
Barium
DuPont Brevard Site



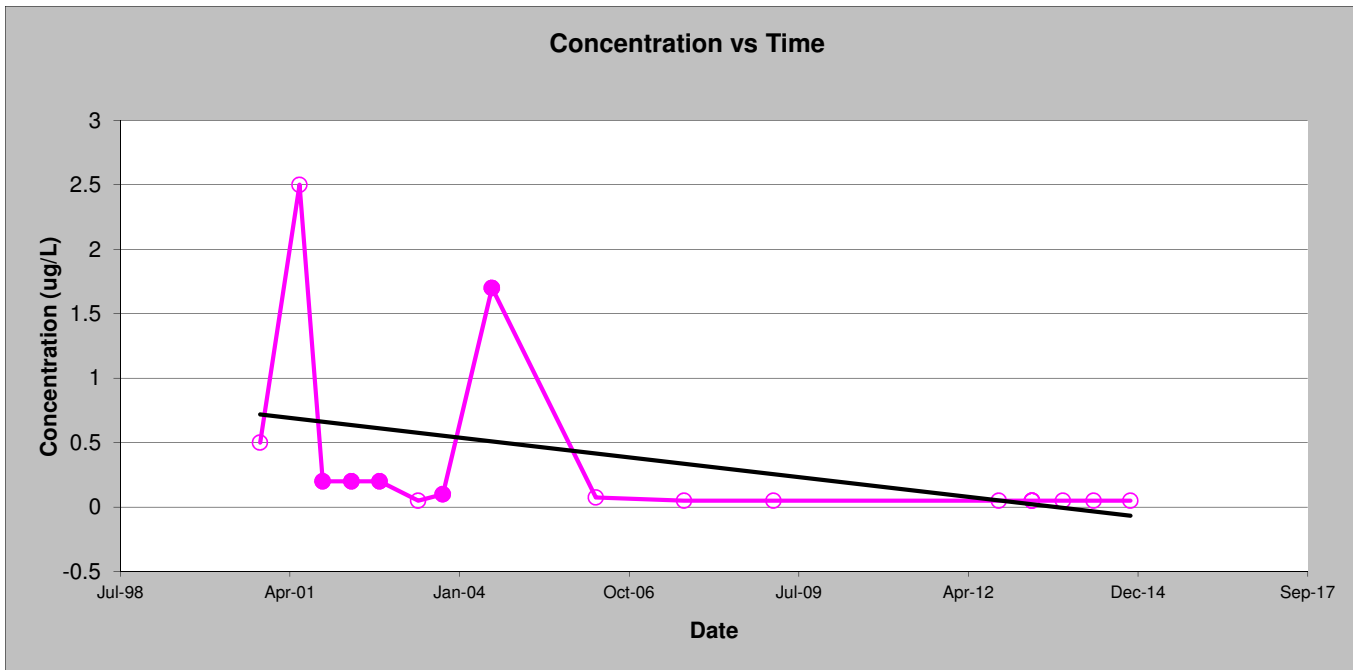
R87-S8
Beryllium
DuPont Brevard Site



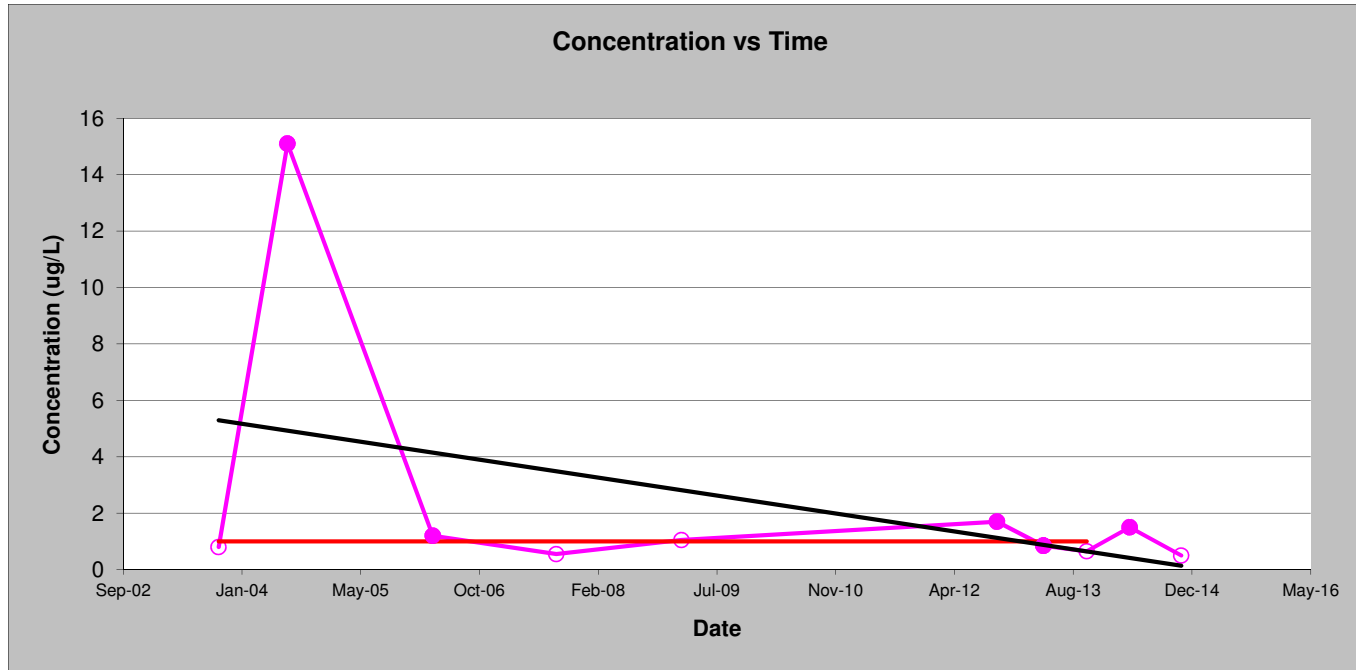
R87-S8
Chromium
DuPont Brevard Site



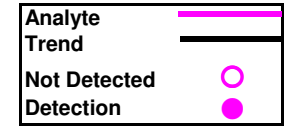
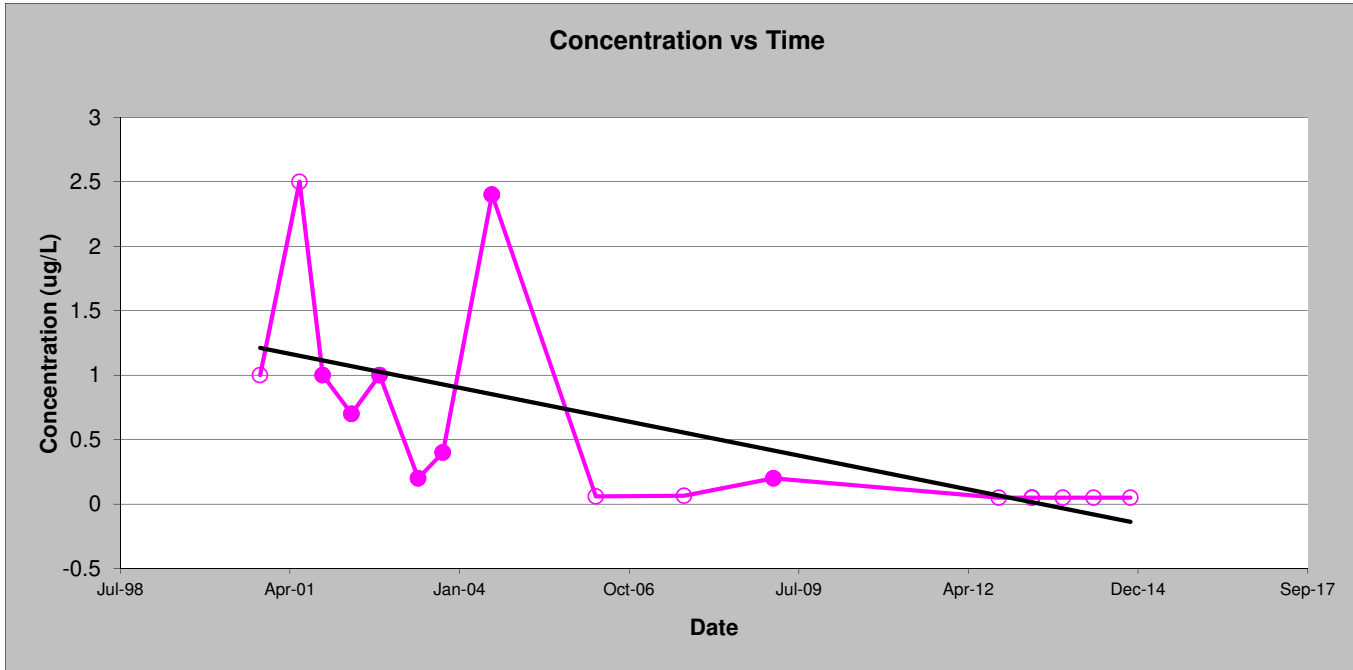
R87-S8
cis-1,2 Dichloroethene
DuPont Brevard Site



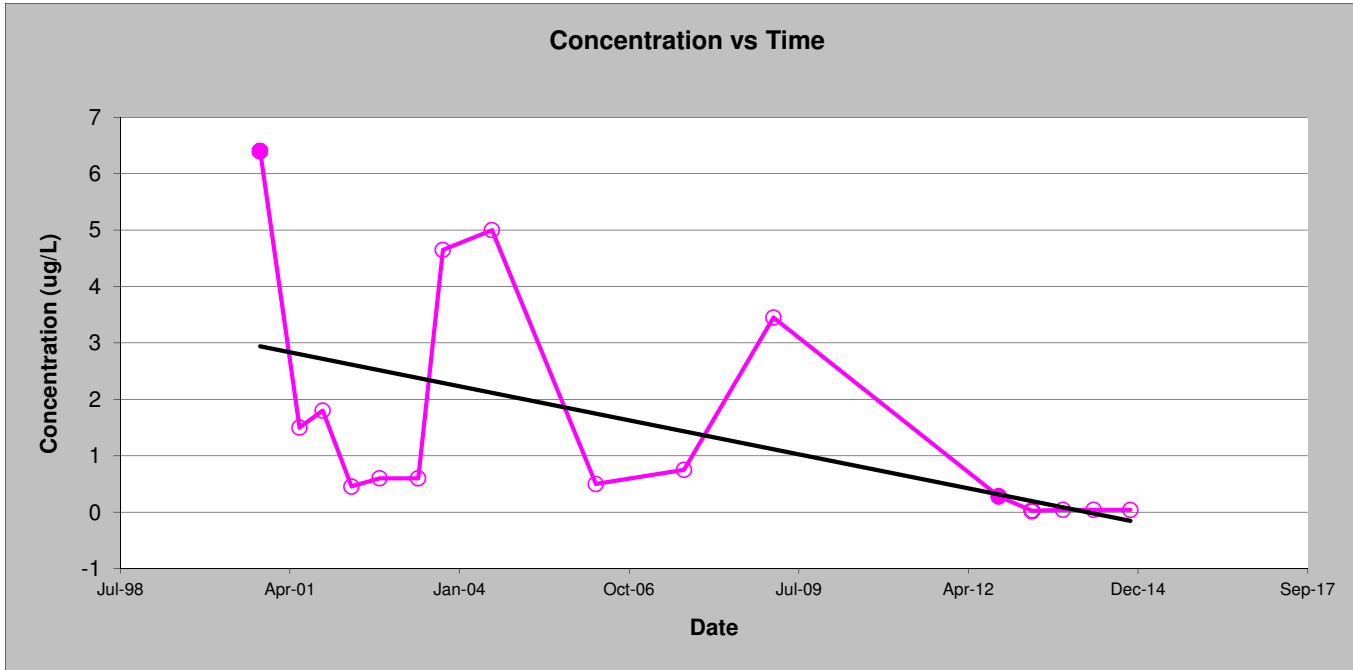
R87-S8
Cobalt
DuPont Brevard Site



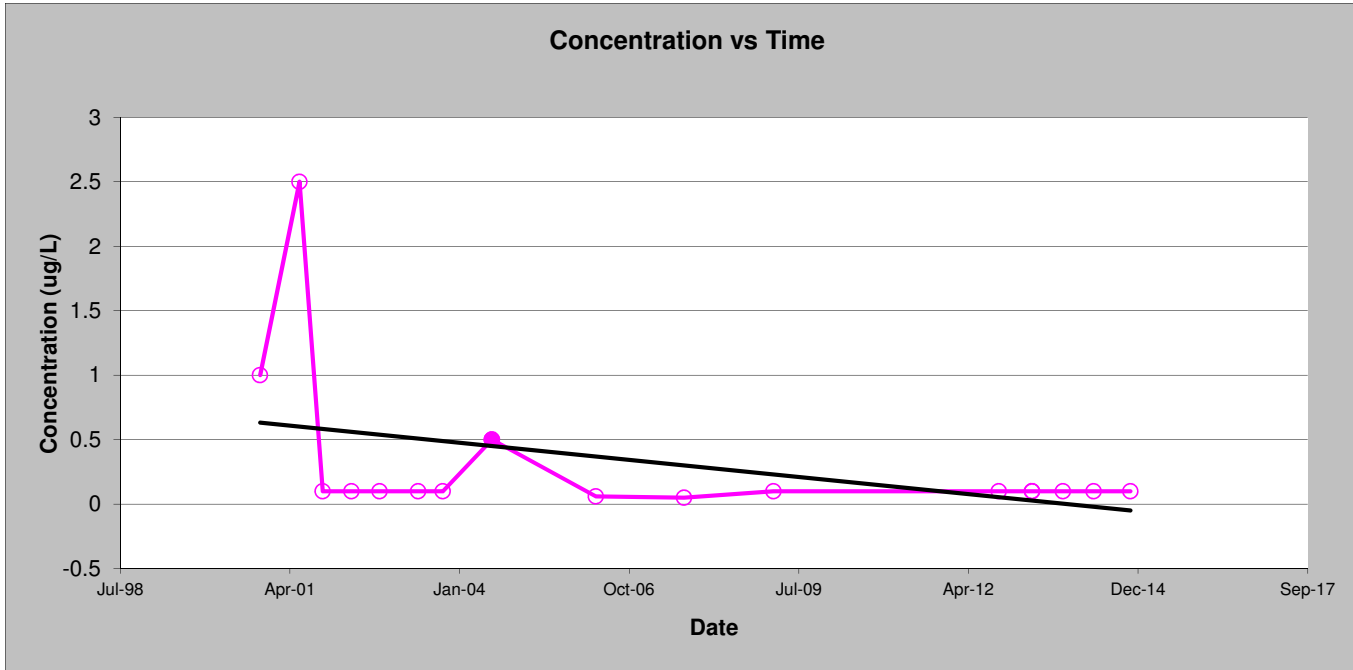
R87-S8
Ethyl Chloride
DuPont Brevard Site



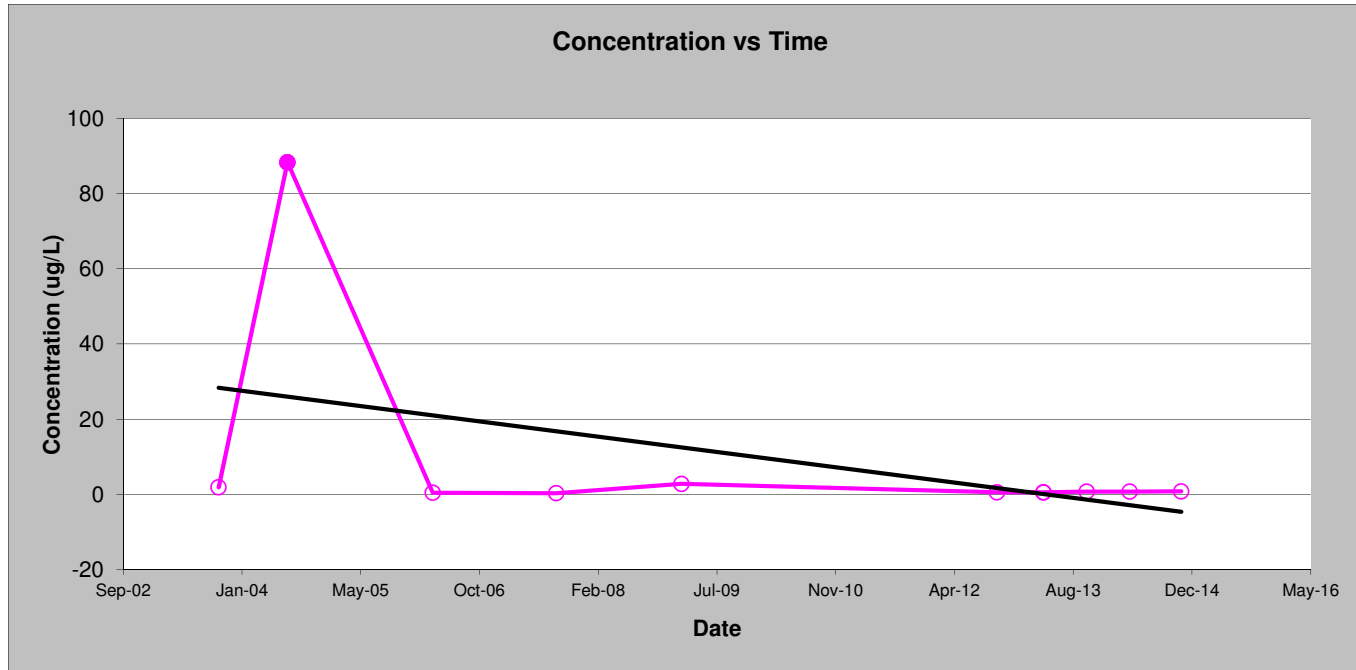
R87-S8
Lead
DuPont Brevard Site



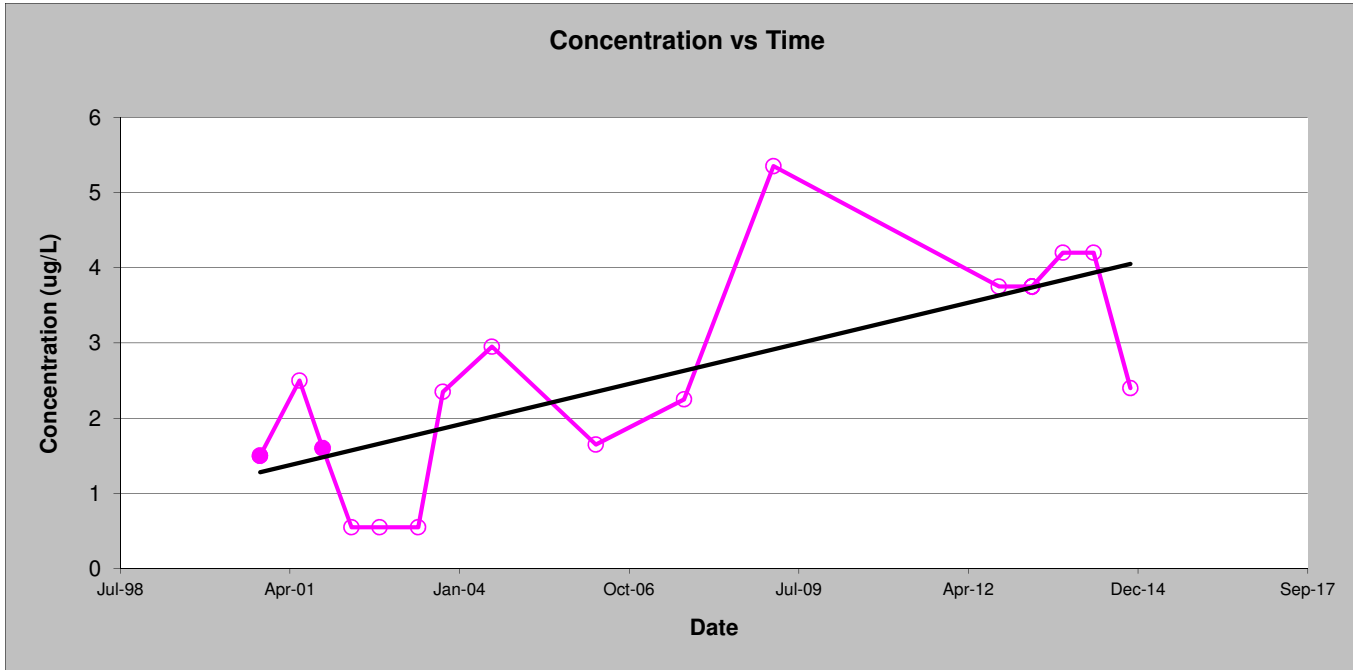
R87-S8
Methylene Chloride
DuPont Brevard Site



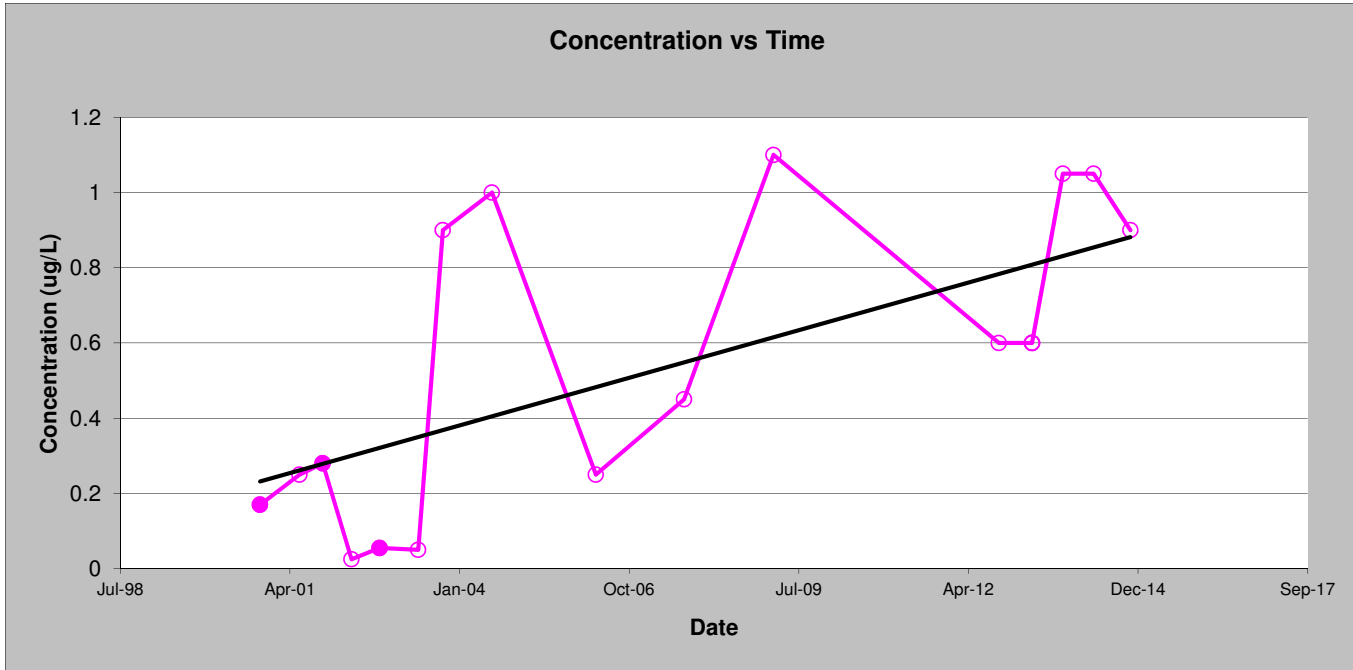
R87-S8
Nickel
DuPont Brevard Site



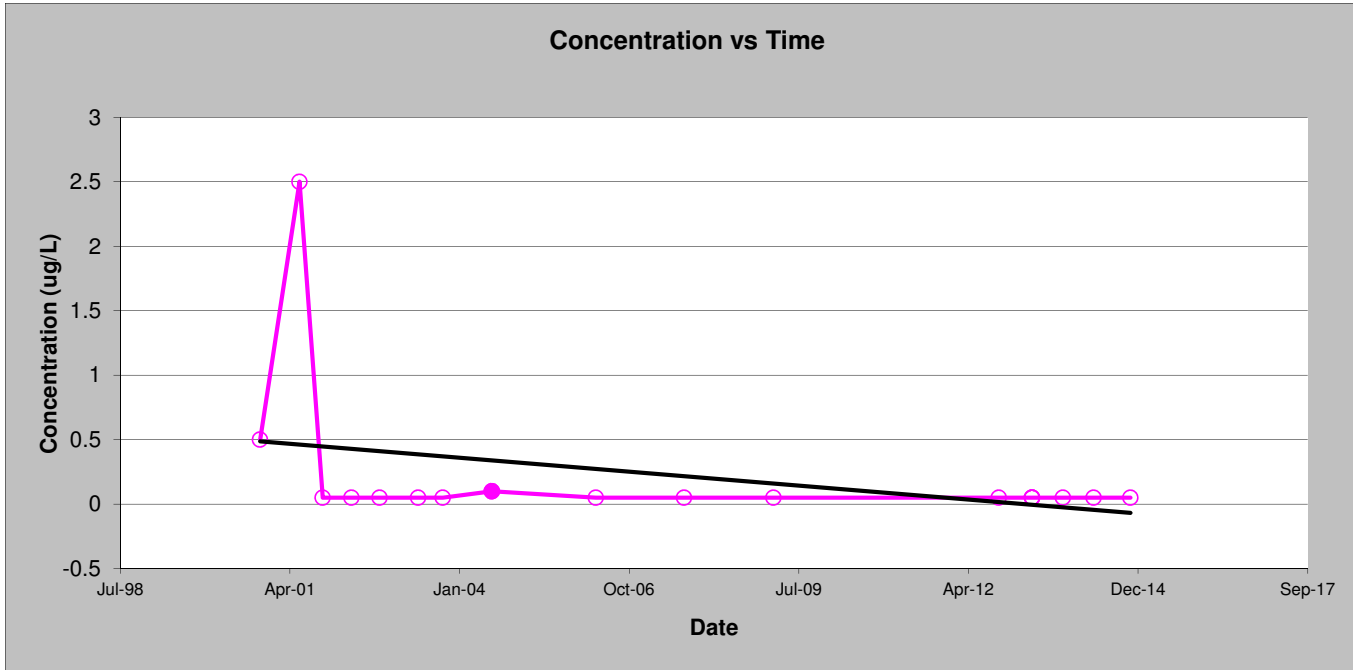
R87-S8
Selenium
DuPont Brevard Site



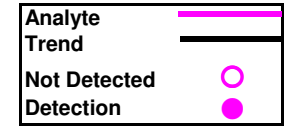
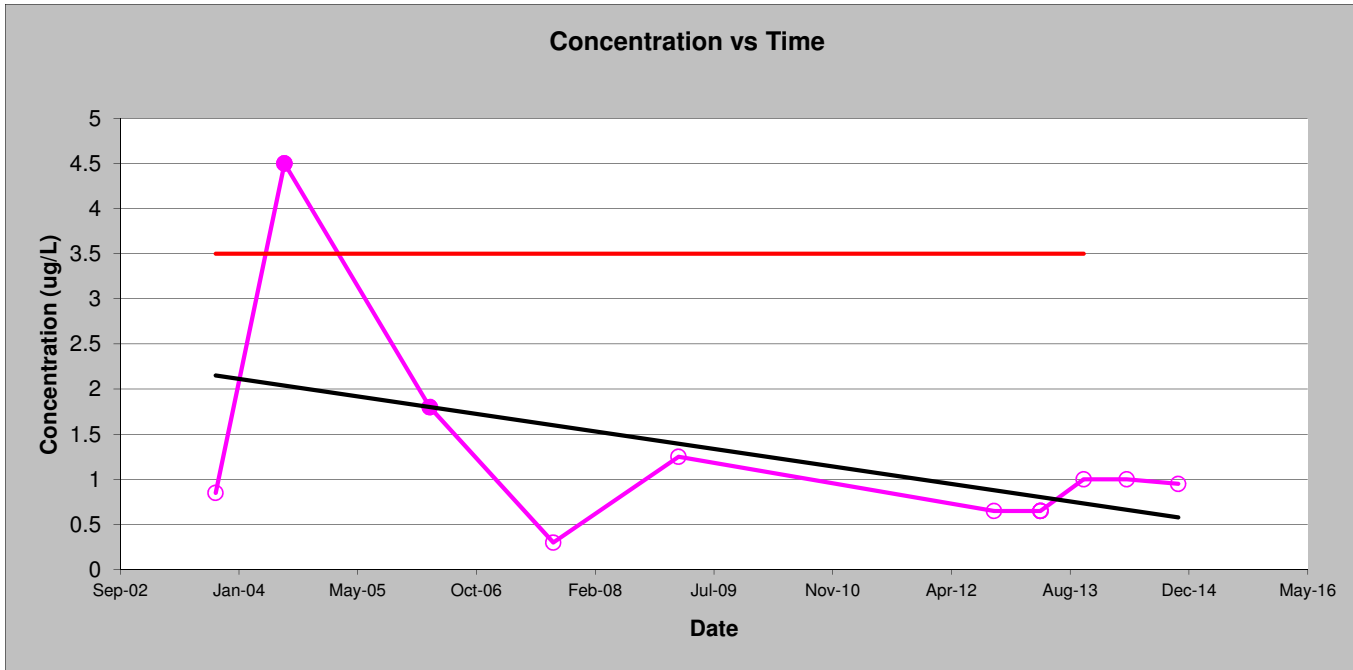
R87-S8
Silver
DuPont Brevard Site



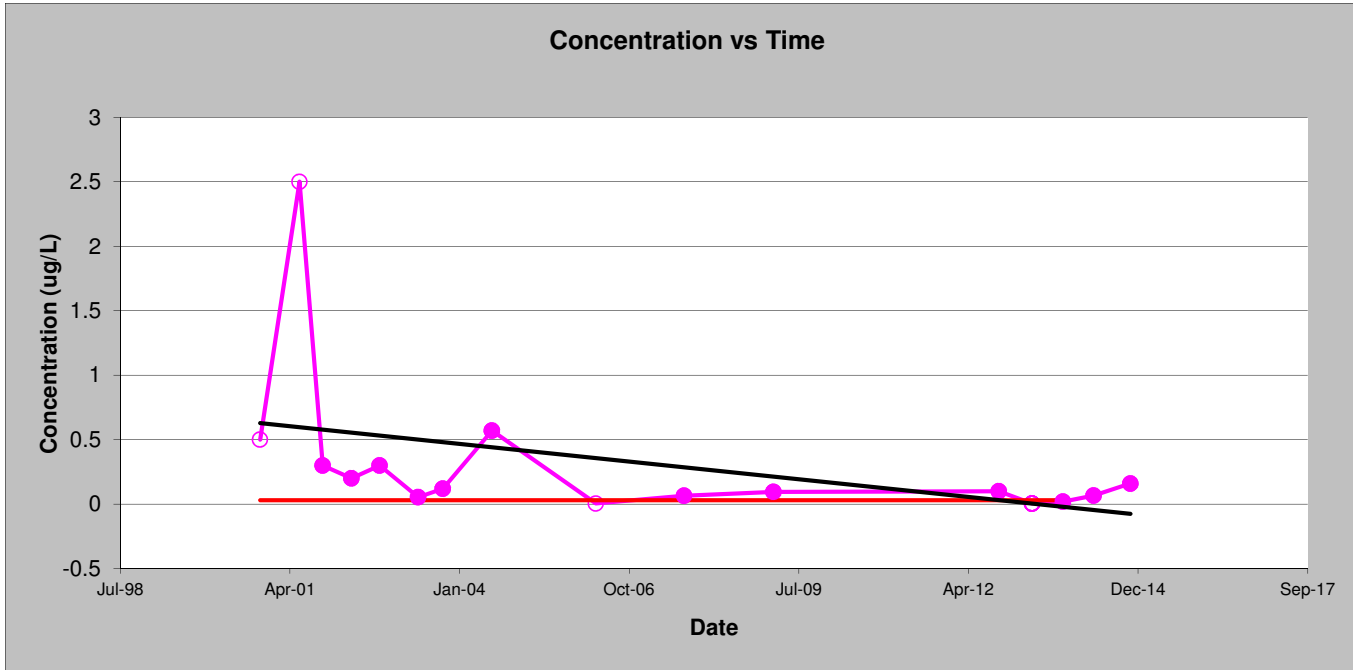
R87-S8
trans-1,2 Dichloroethene
DuPont Brevard Site



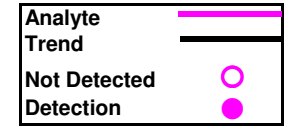
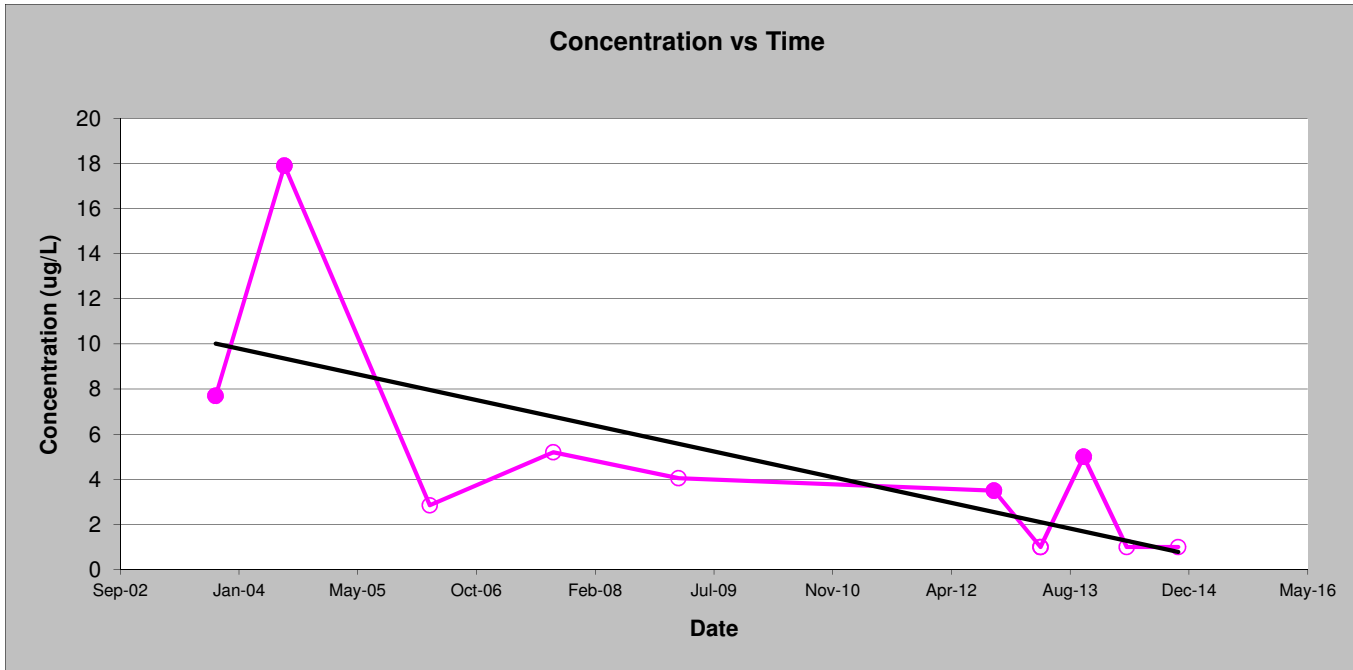
R87-S8
Vanadium
DuPont Brevard Site



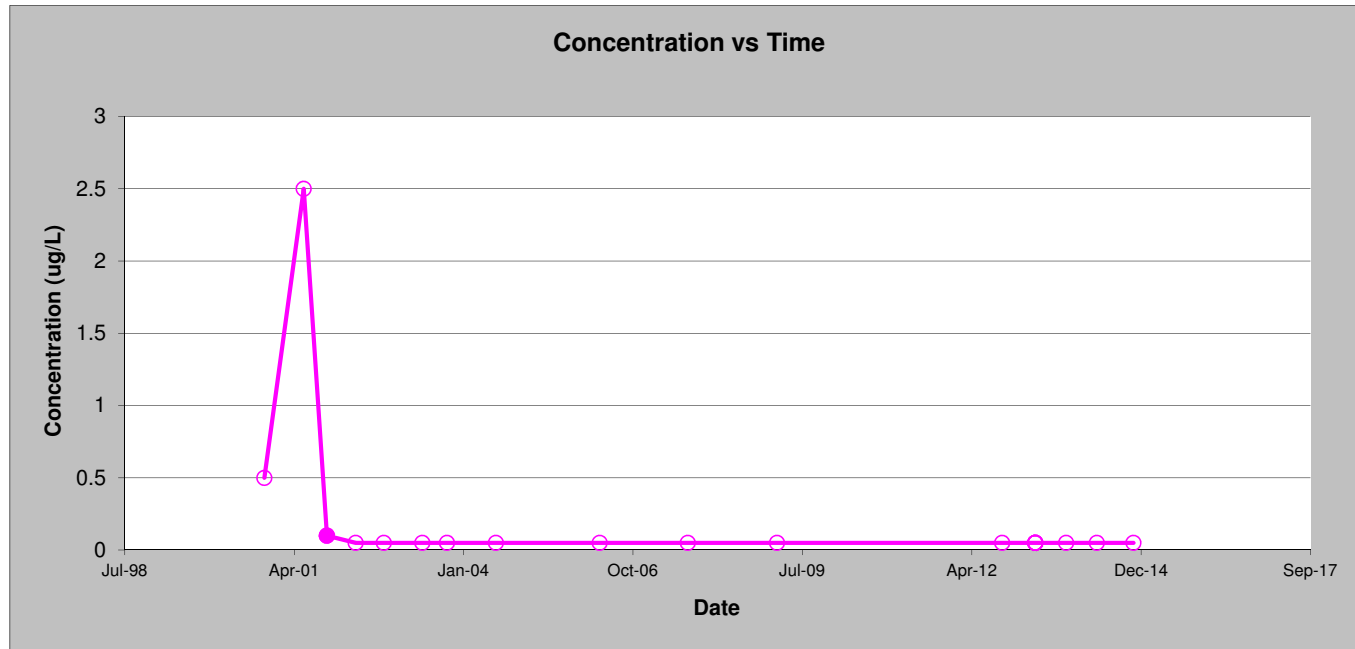
R87-S8
Vinyl Chloride
DuPont Brevard Site



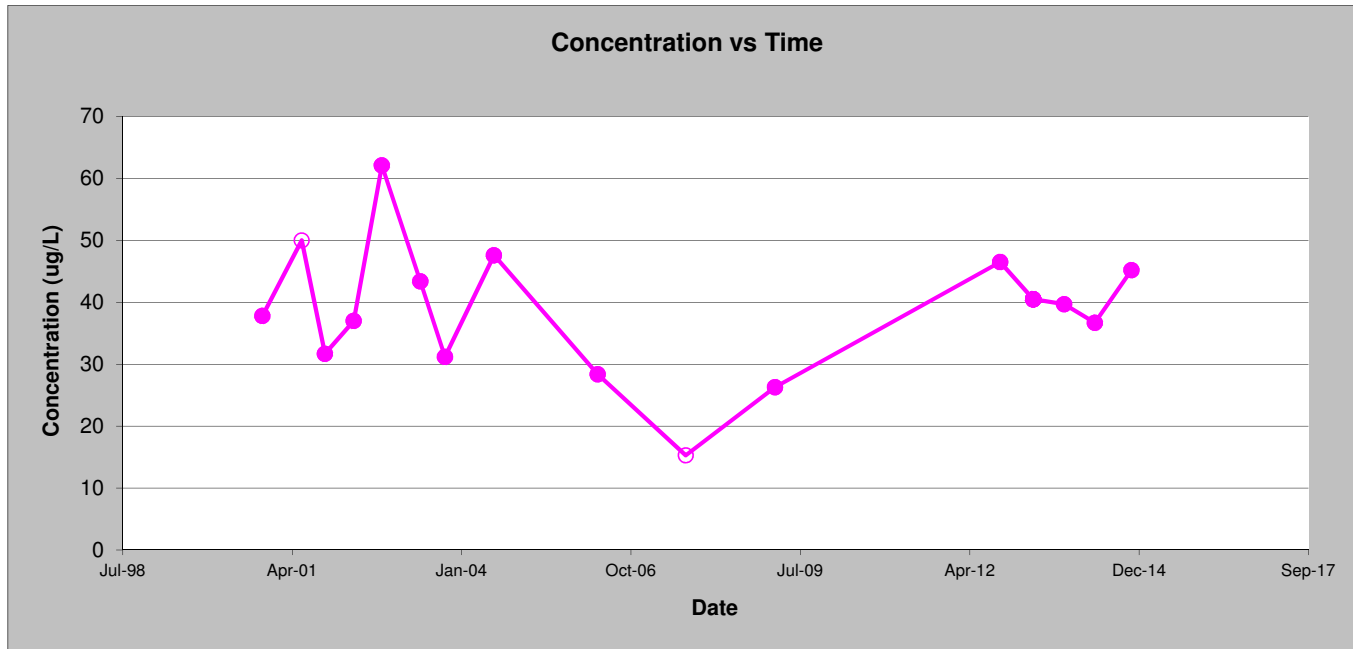
R87-S8
Zinc
DuPont Brevard Site



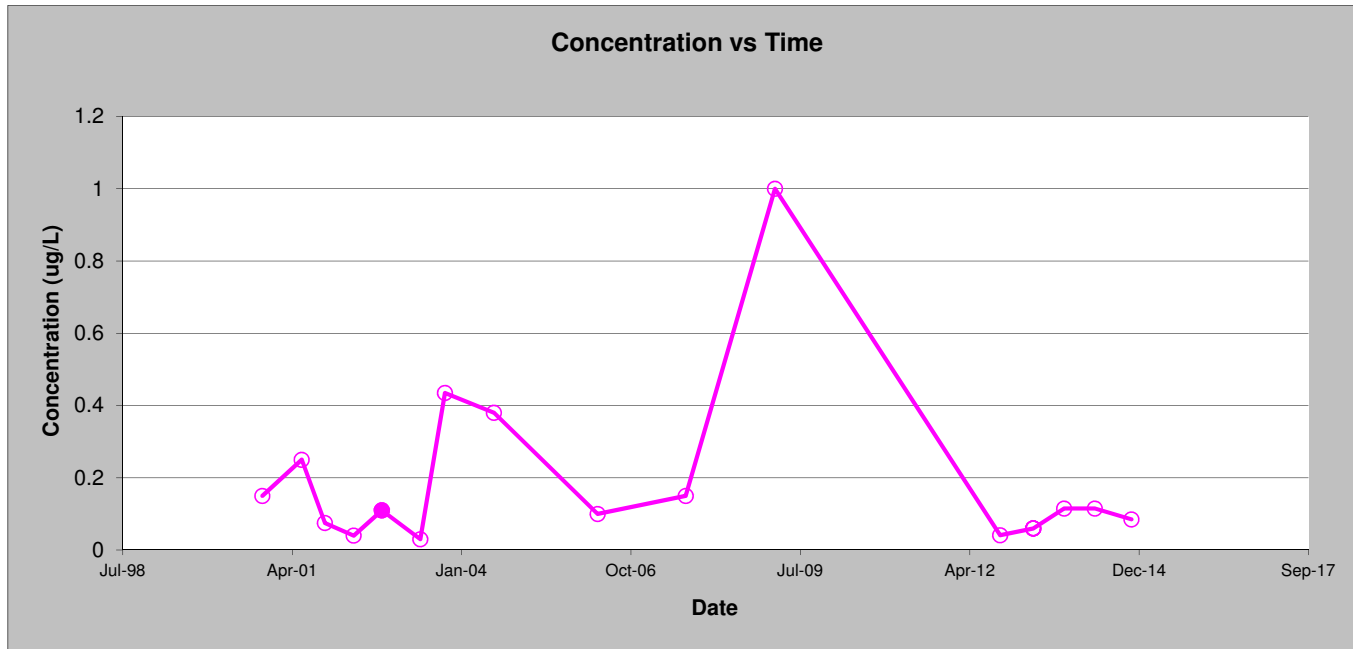
R87-S9
1,2-Dichloroethane
DuPont Brevard Site



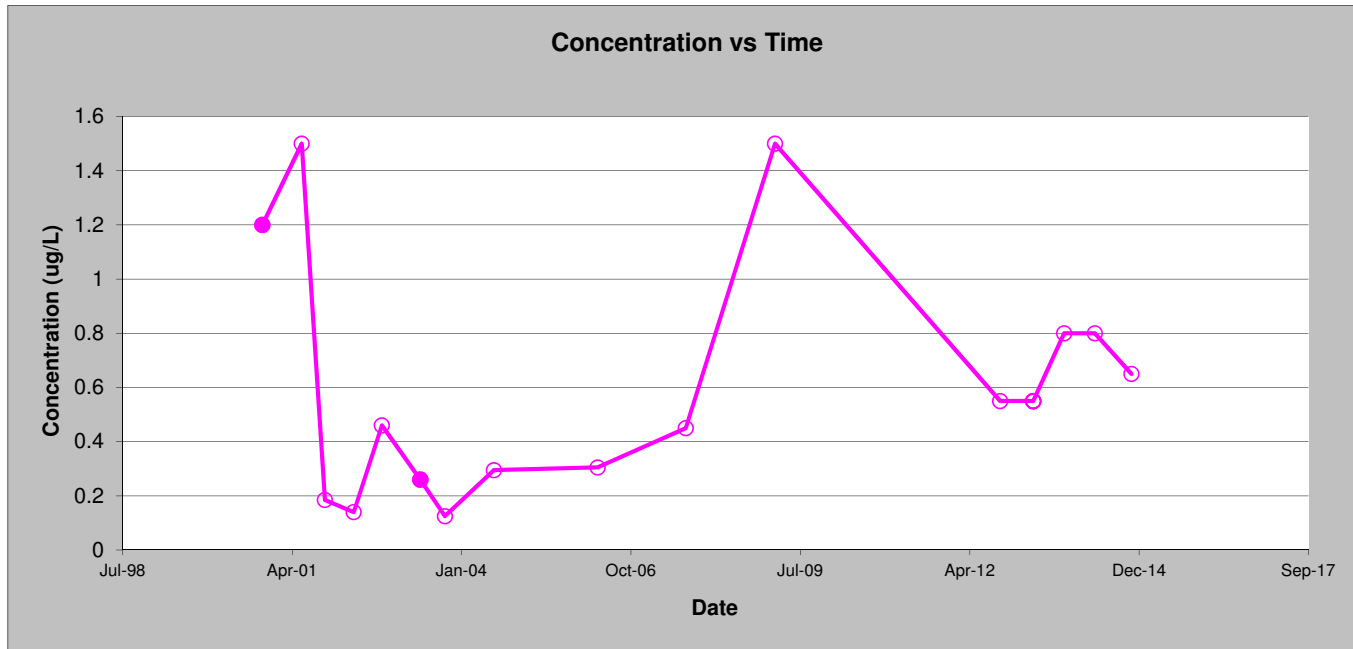
R87-S9
Barium
DuPont Brevard Site



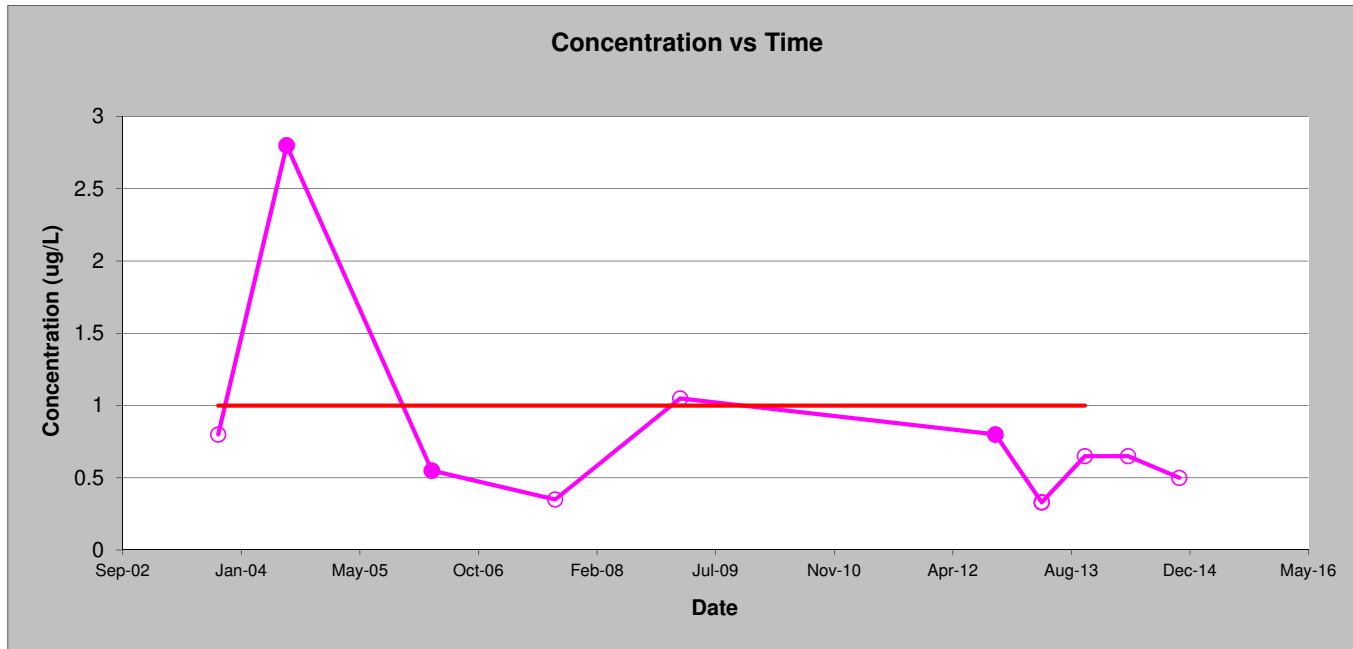
R87-S9
Cadmium
DuPont Brevard Site



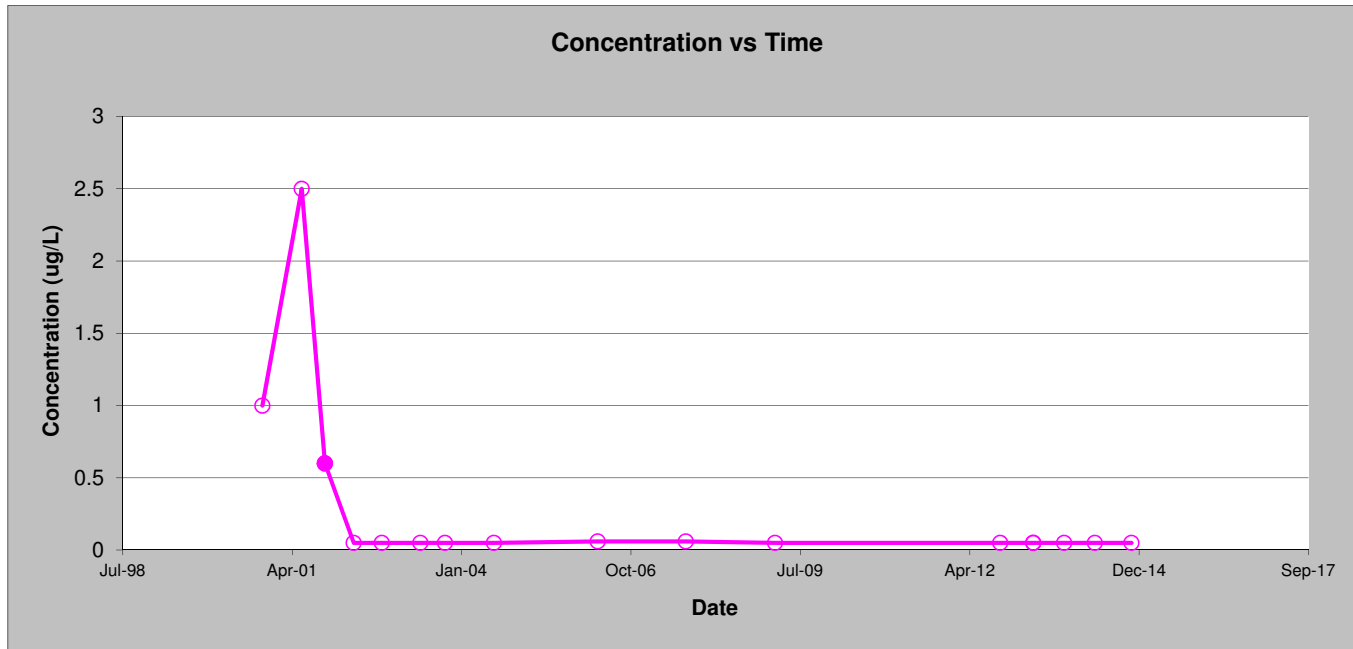
R87-S9
Chromium
DuPont Brevard Site



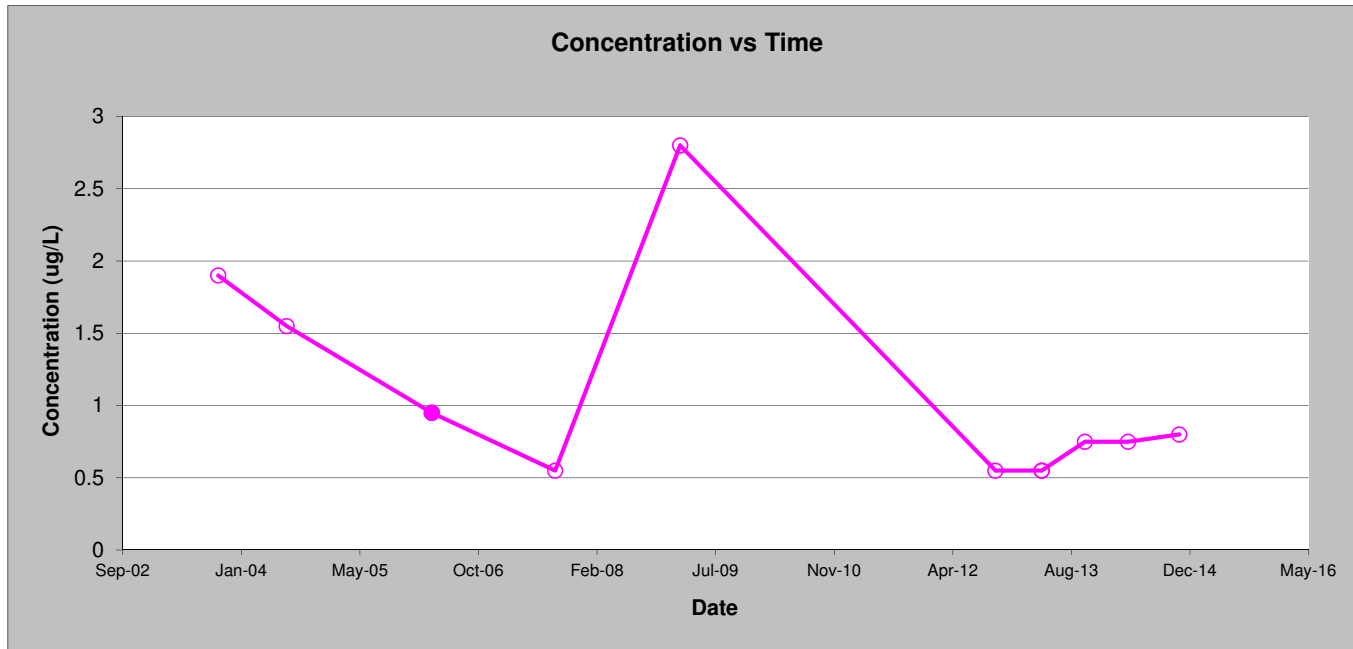
R87-S9
Cobalt
DuPont Brevard Site



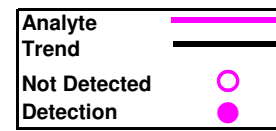
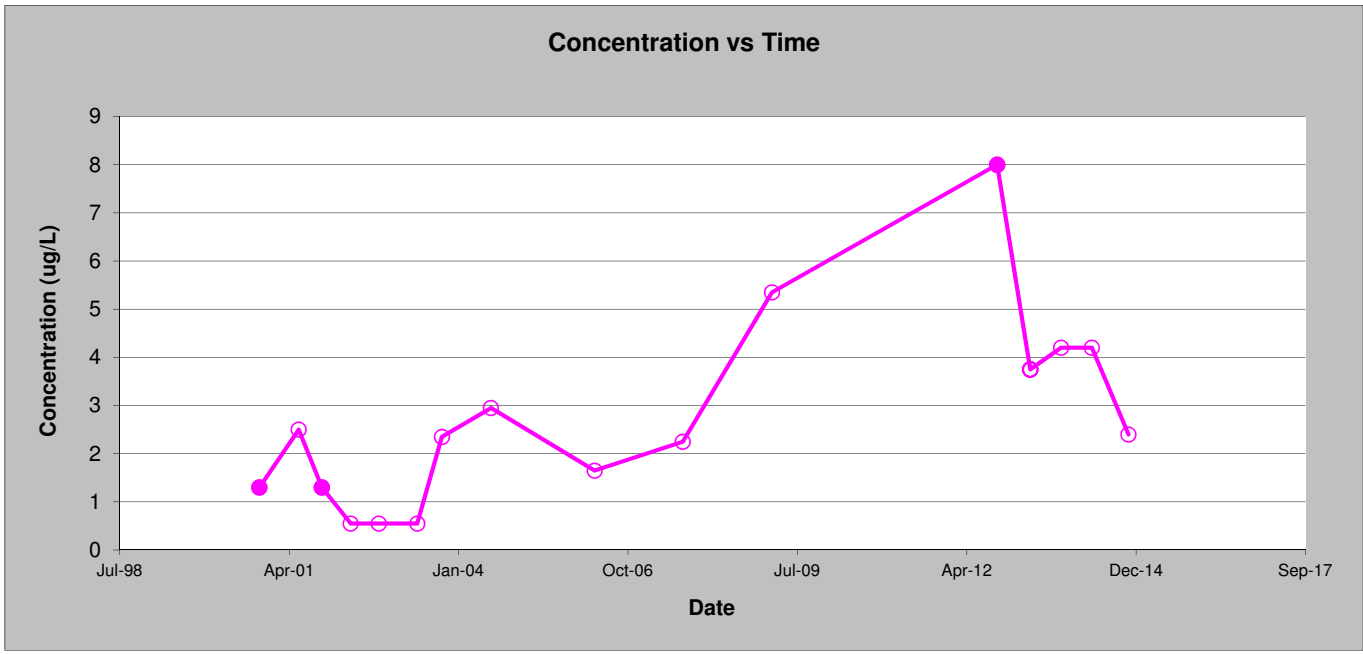
R87-S9
Ethyl Chloride
DuPont Brevard Site



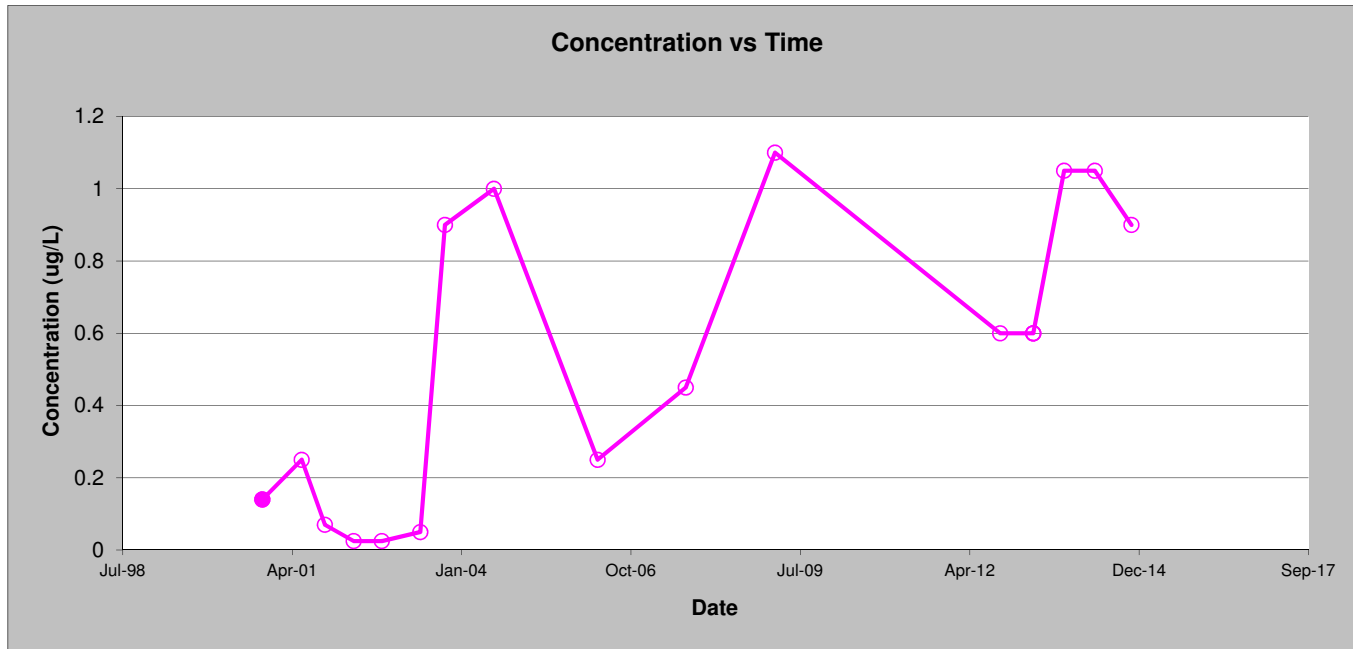
R87-S9
Nickel
DuPont Brevard Site



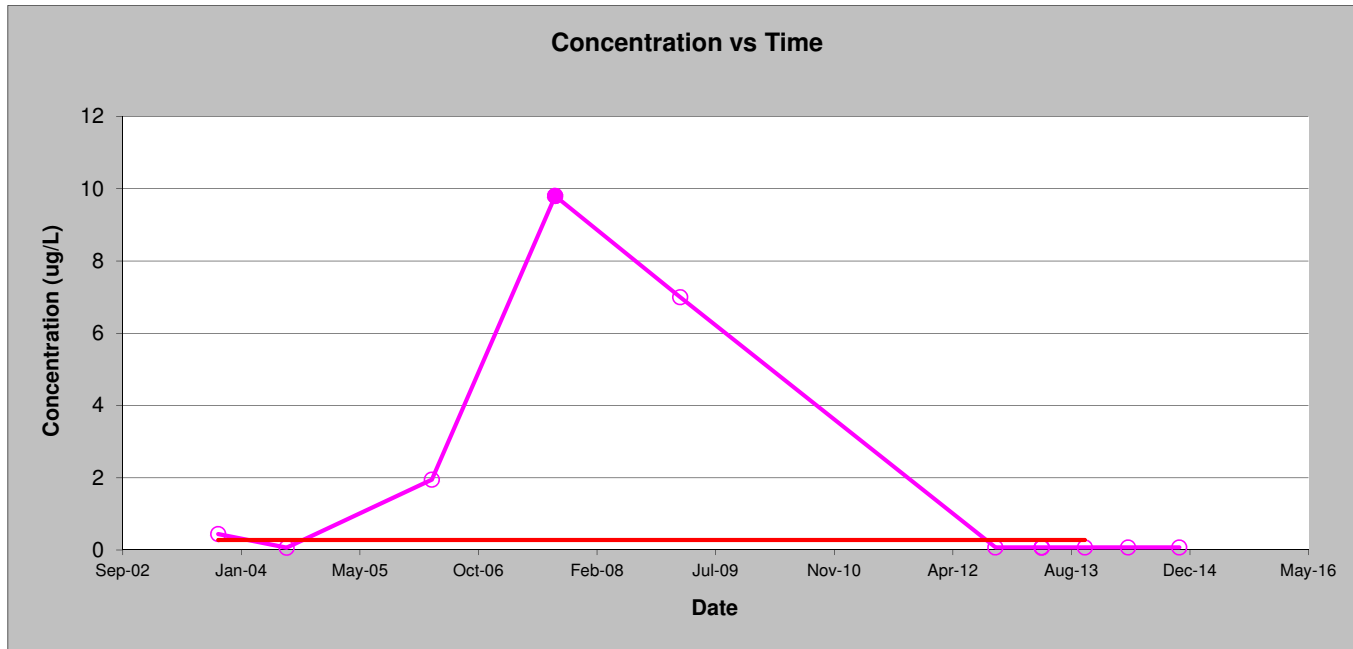
R87-S9
Selenium
DuPont Brevard Site



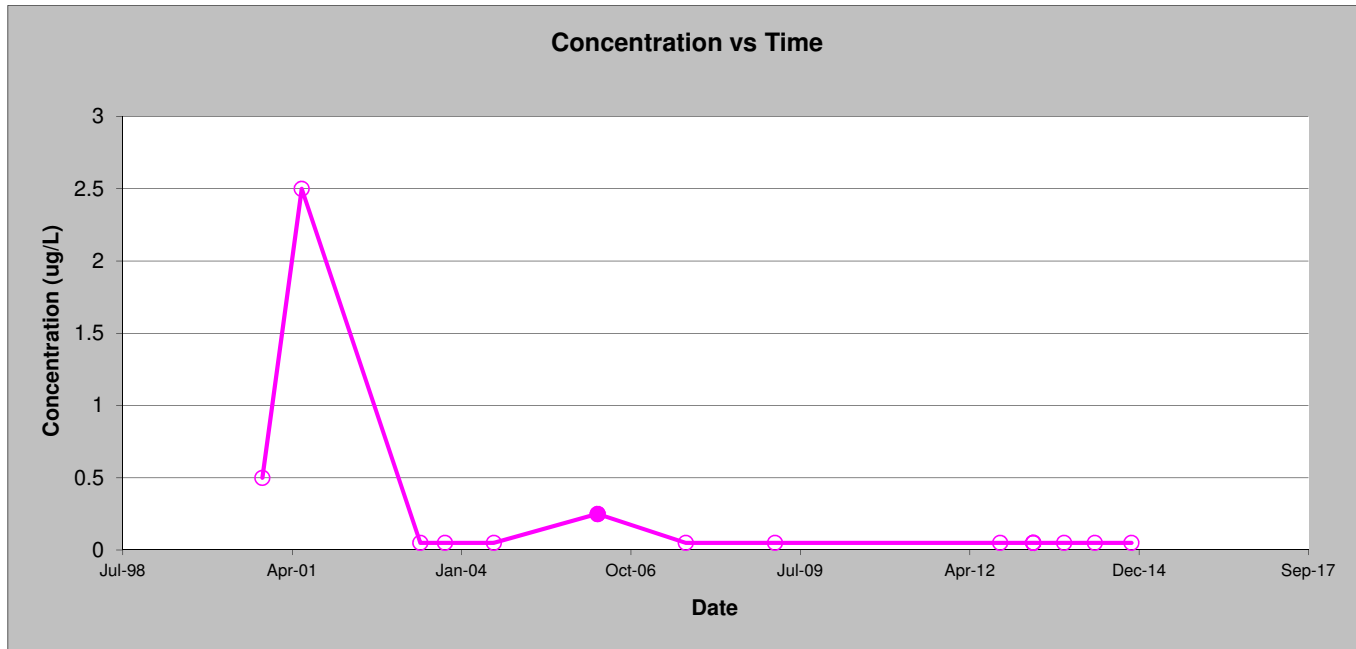
R87-S9
Silver
DuPont Brevard Site



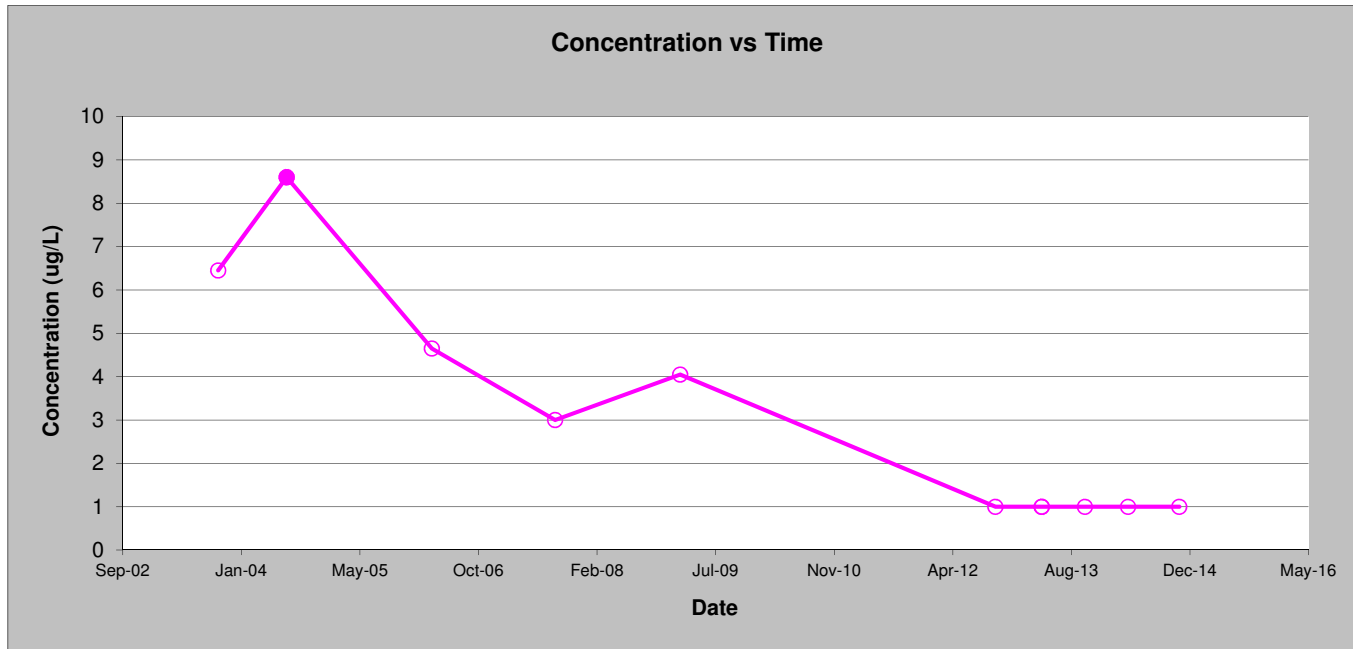
R87-S9
Thallium
DuPont Brevard Site



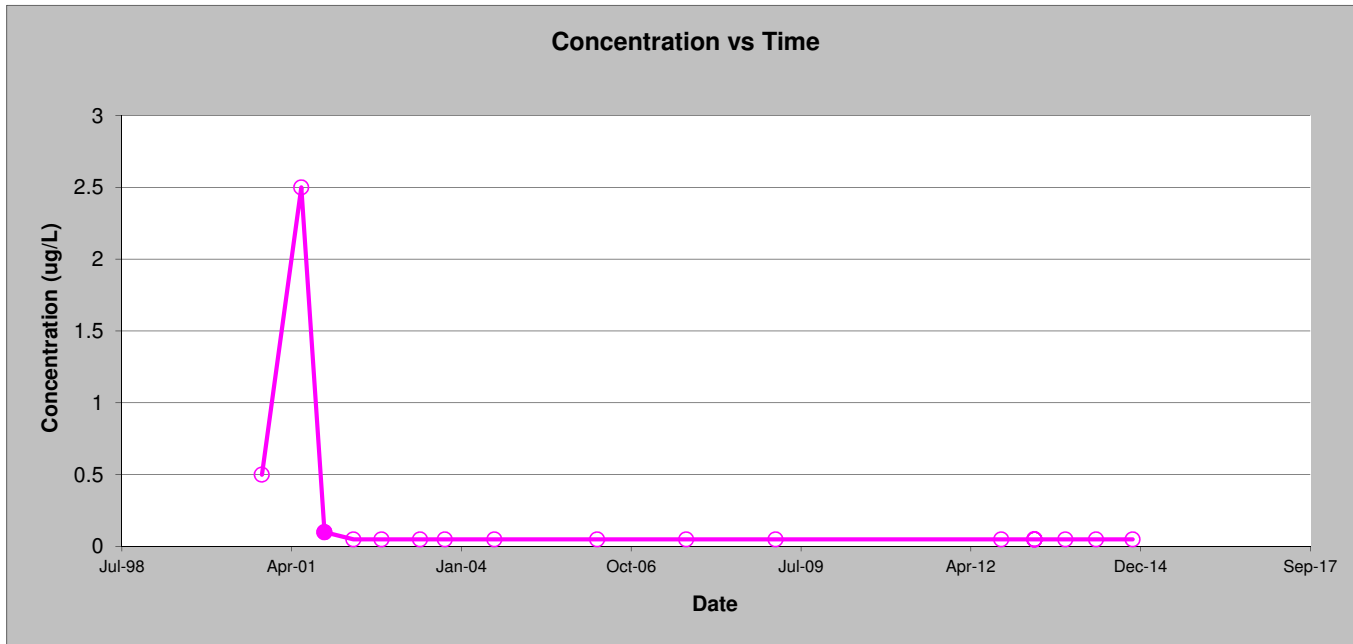
R87-S9
Xylenes
DuPont Brevard Site



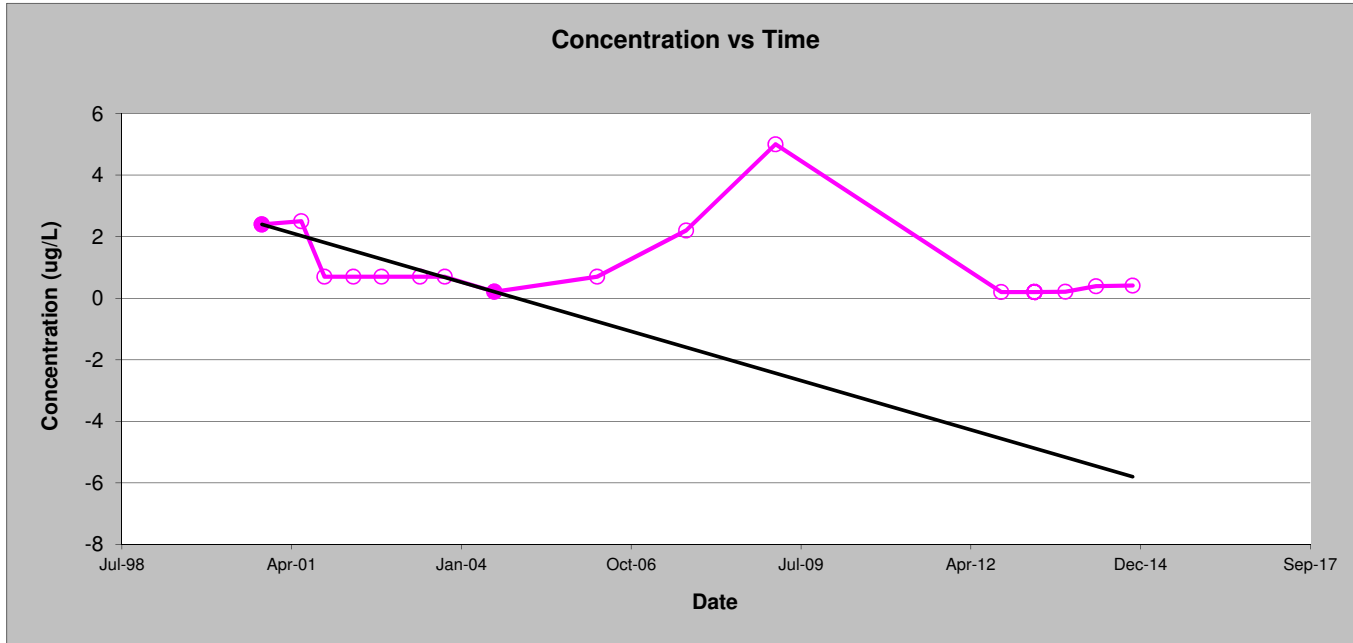
R87-S9
Zinc
DuPont Brevard Site



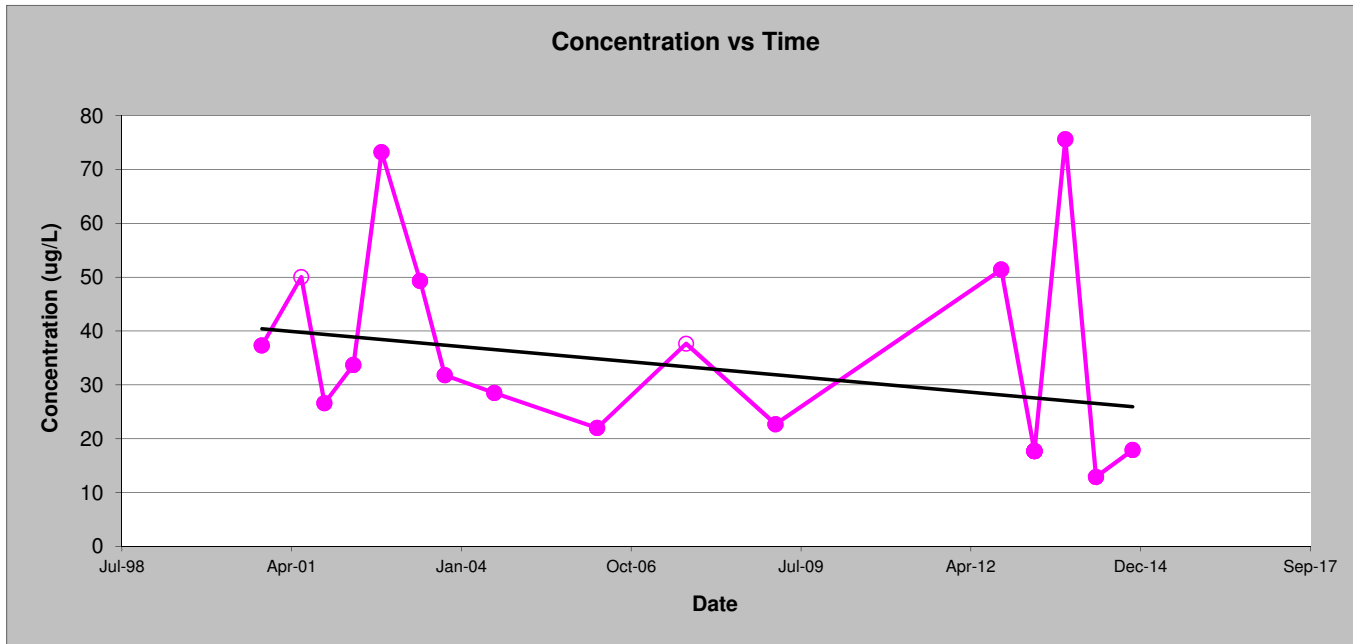
R87-S10
1,2-Dichloroethane
DuPont Brevard Site



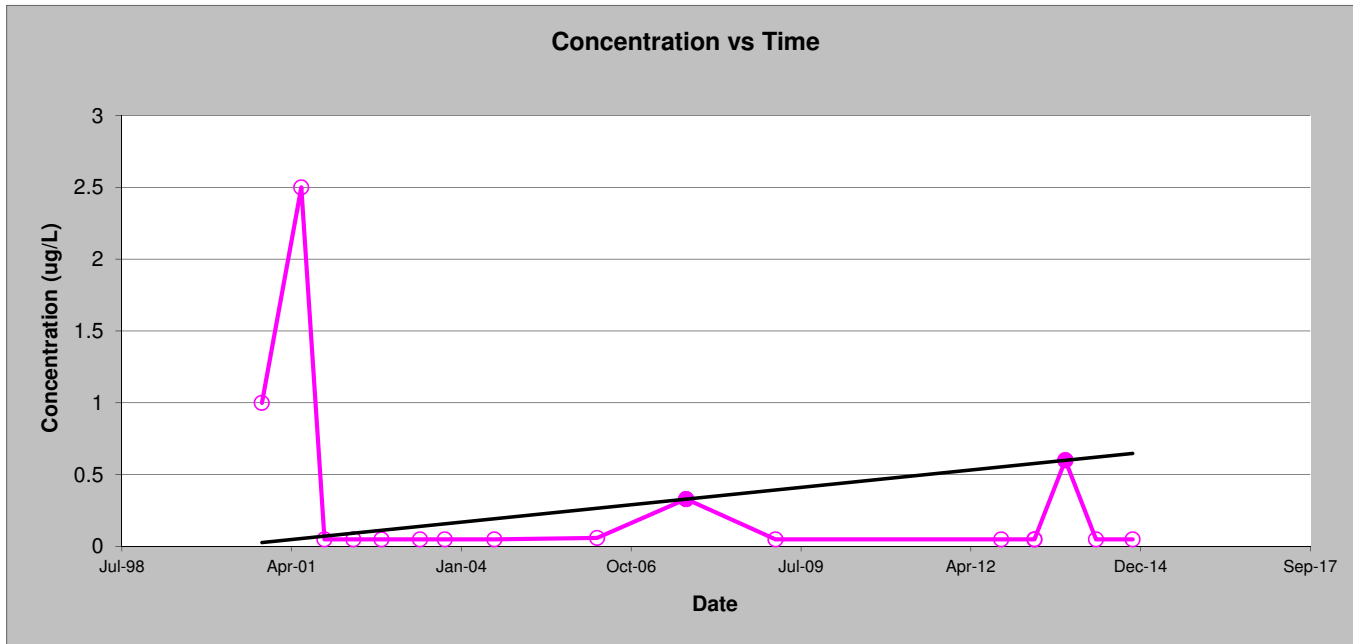
R87-S10
Arsenic
DuPont Brevard Site



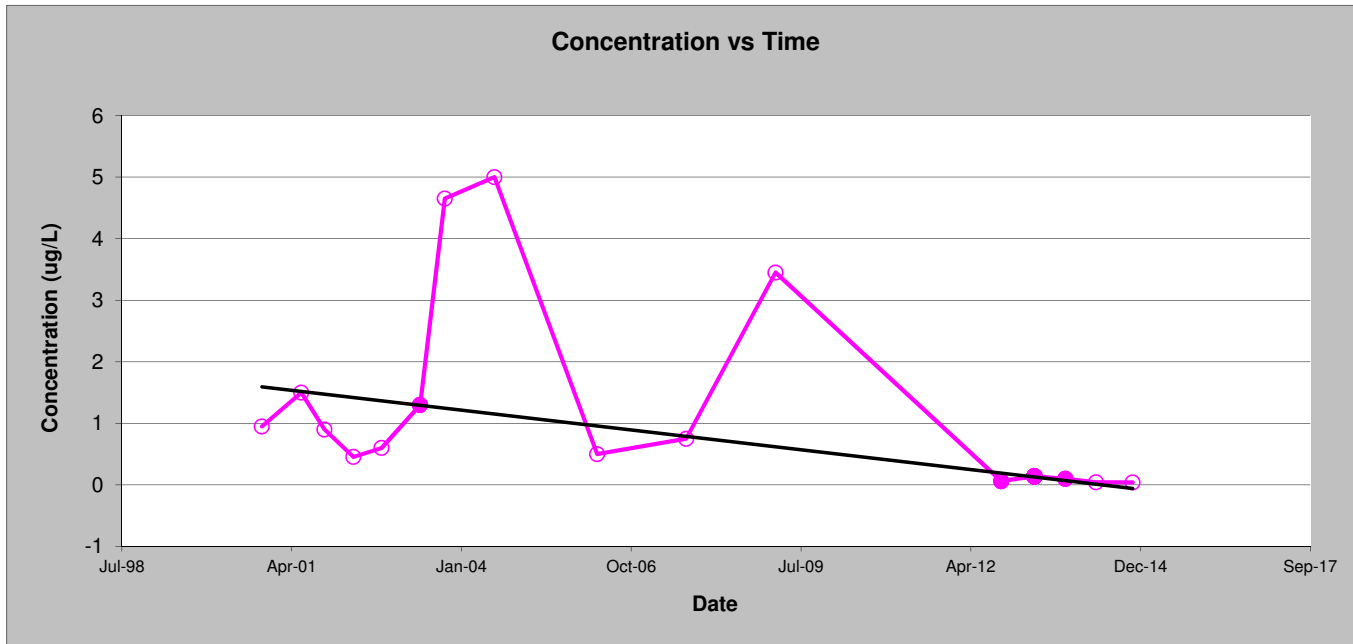
R87-S10
Barium
DuPont Brevard Site



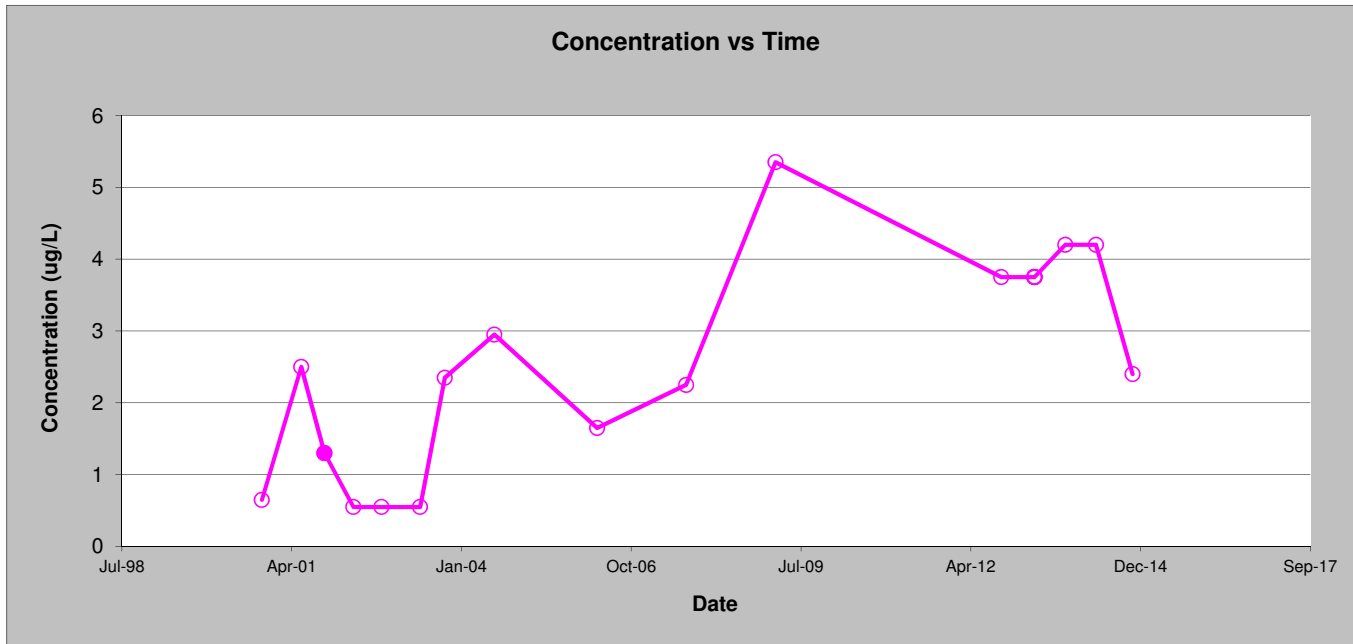
R87-S10
Ethyl Chloride
DuPont Brevard Site



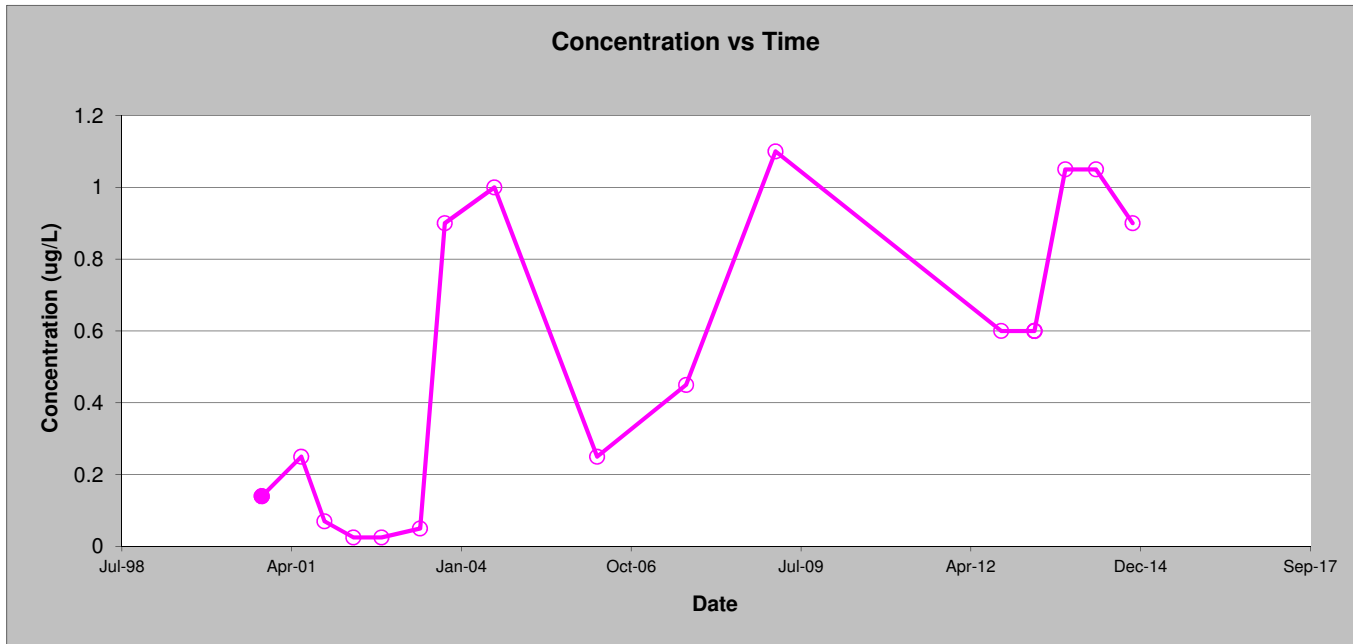
R87-S10
Lead
DuPont Brevard Site



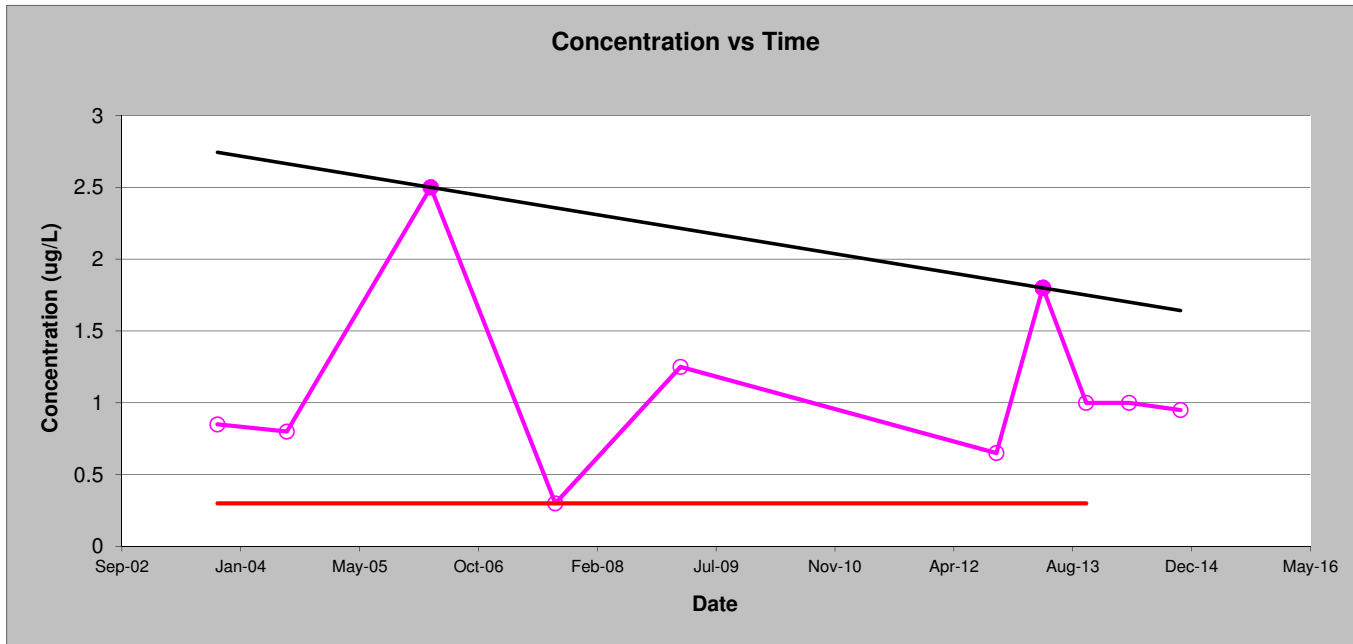
R87-S10
Selenium
DuPont Brevard Site



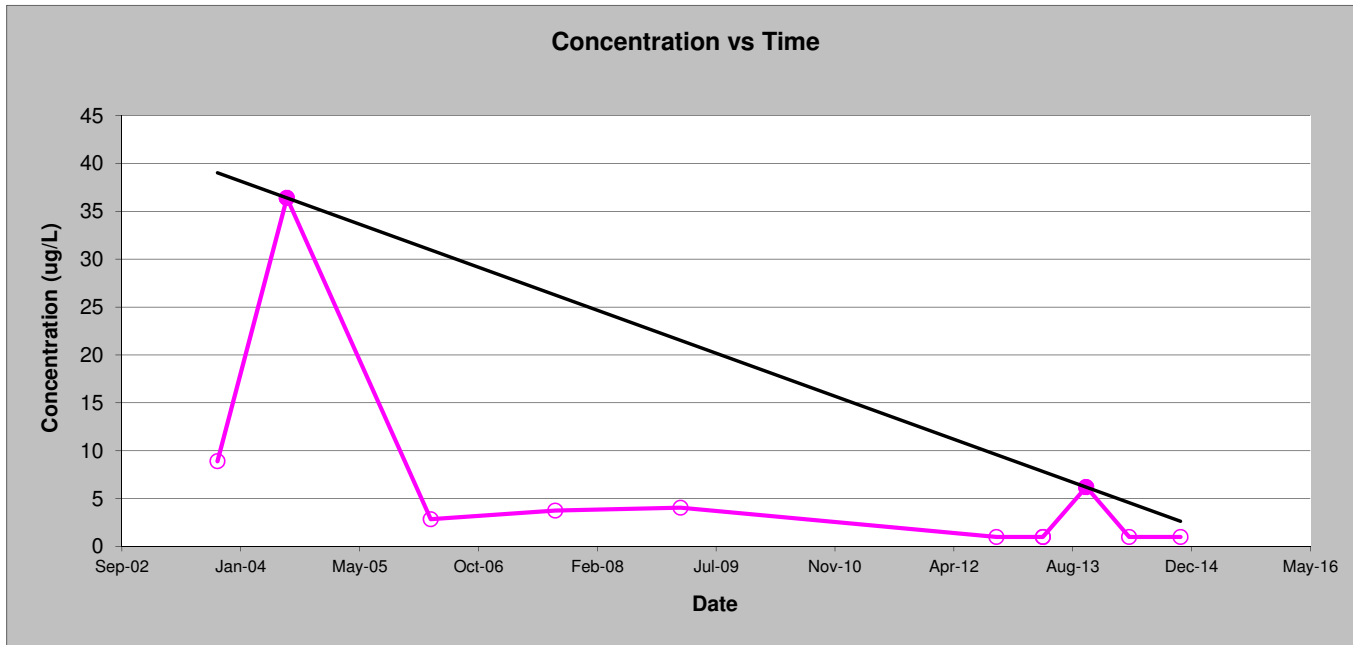
R87-S10
Silver
DuPont Brevard Site



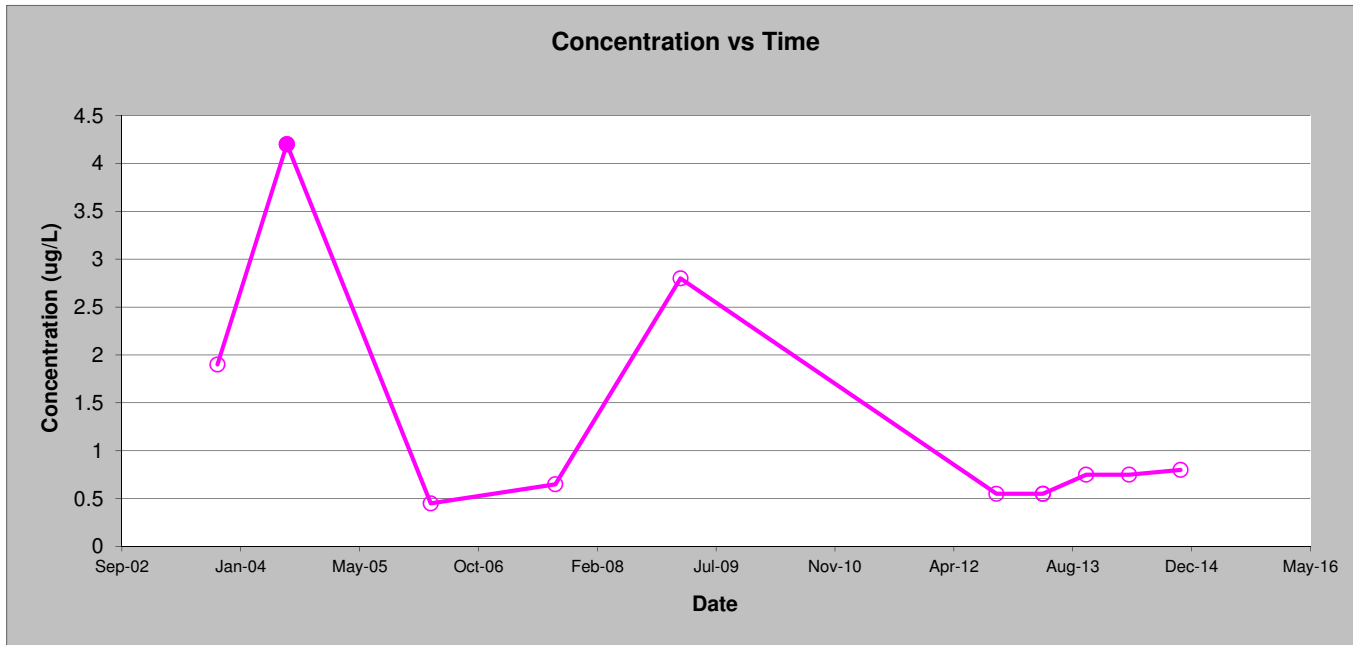
R87-S10
Vanadium
DuPont Brevard Site



R87-S10
Zinc
DuPont Brevard Site



R87-S10
Nickel
DuPont Brevard Site



Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Parsons - Environment and Infrastructure

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Tracy Ovbey Phone: 704-558-4403
 E-mail: tracy.ovbey@parsons.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
DuPont Brevard Facility	Staton Road Cedar Mountain, North Carolina	NCD 003 152 329		October and November 2014

Environmental Status: (Check all that apply)

- Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

- Groundwater monitoring data from monitoring wells Methane gas monitoring data
 Groundwater monitoring data from private water supply wells Corrective action data (specify) _____
 Leachate monitoring data Other(specify) _____
 Surface water monitoring data

Notification attached?

- No. No groundwater or surface water standards were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Karen Teague NC Professional Geologist 704-558-4155

Facility Representative Name (Print) Title (Area Code) Telephone Number
 Affix NC Licensed/ Professional Geologist Seal

Karen Teague 05-06-2015
 Signature Date

4701 Hedgemore Drive, Charlotte, NC 28209

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)



**ADQM DATA REVIEW
NARRATIVE**

Site **BRE: BREVARD**

Project **CAMU GW2H14**

Project Reviewer **Wanda M. Davis**

Sampling Date **October 30, 2014 and November 10-12, 2014**

Analytical Protocol

<u>Laboratory</u>	<u>Analytical Method</u>	<u>Parameter(s)</u>
Eurofins Lancaster	SW846 6010C/6020A/7470A	Metals
Eurofins Lancaster	SW846 8260B SIM	Vinyl Chloride
Eurofins Lancaster	SW8468260B	Volatiles (25 ml purge)/Acrylonitrile
Eurofins Lancaster	SW846 8270D SIM	PAHs
Eurofins Lancaster	SW846 8270D	SVOCs/Library Search: 2,5-Dimethyl furan
Eurofins Lancaster	SW846 8015B	Glycols

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on October 31, and November 12-13, 2014. The cooler temperatures were as follows: 0.6, 0.4, 0.4, 0.3, 0.9, 0.2, 0.2, 0.4, 0.4, 2.2, 0.4, 0.3, and 1.6 degrees C. The ADQM chemist doesn't believe the data to be impacted since the samples were cold but not frozen upon receipt.
- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:
 - SSP14-SW-07 and SSP14-SW-27 Glycol vials were received empty.
 - GW2H14-R87-S10 metals aliquot was received in a plastic 500 ml container.
 - EB- sample ids were missing (rubbed off) from the sample container.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of the nine metals and three hardness results flagged "B" due to equipment or method blank contamination. 2, 5-Dimethylfuran (Targeted TIC) was not detected and therefore was flagged "UJ", estimated. One Mercury, 7470A, and three Silver, 6010C, non-detect results were flagged "UJ", estimated, due to low Relative Percent Recovery, RPR, between the MS/MSD. Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified "J" estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard

Sampling Program: GW2H14 CAMU

Validation Options: LABSTATS

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2H14-SW-5	10/30/2014	7658013	Total Hardness As CaCO3	8.6	MG/L	MDL	0.033	0.40	B	2340 B-1997		
GW2H14-SW-5	10/30/2014	7658013	Calcium	2.67	MG/L	MDL	0.0334	0.400	B	6010C		3010A
GW2H14-SW-6	10/30/2014	7658000	Total Hardness As CaCO3	4.3	MG/L	MDL	0.033	0.40	B	2340 B-1997		
GW2H14-SW-6	10/30/2014	7658000	Calcium	1.08	MG/L	MDL	0.0334	0.400	B	6010C		3010A
GW2H14-SW-6-D	10/30/2014	7658011	Total Hardness As CaCO3	6.8	MG/L	MDL	0.033	0.40	B	2340 B-1997		
GW2H14-SW-6-D	10/30/2014	7658011	Calcium	2.06	MG/L	MDL	0.0334	0.400	B	6010C		3010A

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2H14-SW-5	10/30/2014	7658013	Zinc	0.0029	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
GW2H14-SW-5-Z	10/30/2014	7658014	Zinc	0.0044	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
GW2H14-MW-107B	11/11/2014	7672669	Barium	0.00088	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
GW2H14-SW-6	10/30/2014	7658000	Zinc	0.0043	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
GW2H14-SW-6-D	10/30/2014	7658011	Zinc	0.0030	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
GW2H14-SW-6-Z	10/30/2014	7658004	Zinc	0.0040	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-GW-111214	11/12/2014	7674180	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
GW2H14-SW-6	10/30/2014	7658000	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
GW2H14-SW-6-D	10/30/2014	7658011	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
GW2H14-SW-5	10/30/2014	7658013	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A

Validation Reason Code: This is a targeted tentatively identified compound; it should be considered an estimated value.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2H14-MW-107B	11/11/2014	7672669	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-MW-213	11/12/2014	7674176	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-MW-216A	11/10/2014	7672661	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
EB-GW-111214	11/12/2014	7674180	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-MW-106A	11/10/2014	7672665	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
GW2H14-SW-6	10/30/2014	7658000	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
GW2H14-SW-6-D	10/30/2014	7658011	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
GW2H14-SW-5	10/30/2014	7658013	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
GW2H14-MW-216B	11/10/2014	7672663	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C
GW2H14-R87-S10	11/11/2014	7674167	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-R87-S10-D	11/11/2014	7674174	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-R87-S8	11/12/2014	7674163	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-MW-107A	11/11/2014	7672667	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C
GW2H14-R87-S9	11/12/2014	7674165	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D		3510C

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2H14-R87-S9	11/12/2014	7674165	Lead	0.00062	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
GW2H14-R87-S8	11/12/2014	7674163	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
GW2H14-SW-5	10/30/2014	7658013	Barium	0.0080	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-SW-5	10/30/2014	7658013	Lead	0.00019	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
GW2H14-SW-5-Z	10/30/2014	7658014	Iron	0.268	MG/L	MDL	0.0334	0.400	J	6010C		3010A
GW2H14-SW-5-Z	10/30/2014	7658014	Barium	0.0055	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-SW-6-D	10/30/2014	7658011	Barium	0.0060	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-SW-6-D	10/30/2014	7658011	Iron	0.310	MG/L	MDL	0.0334	0.400	J	6010C		3010A
GW2H14-SW-6-Z	10/30/2014	7658004	Iron	0.206	MG/L	MDL	0.0334	0.400	J	6010C		3010A
GW2H14-SW-6-Z	10/30/2014	7658004	Barium	0.0053	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-SW-6	10/30/2014	7658000	Barium	0.0056	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-SW-6	10/30/2014	7658000	Iron	0.299	MG/L	MDL	0.0334	0.400	J	6010C		3010A
GW2H14-MW-107A	11/11/2014	7672667	Toluene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107A	11/11/2014	7672667	1,4-Dioxane	3	UG/L	MDL	1	6	J	8270D		3510C
GW2H14-MW-107A	11/11/2014	7672667	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107A	11/11/2014	7672667	Chromium	0.0015	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
GW2H14-MW-107A	11/11/2014	7672667	Zinc	0.0022	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
GW2H14-MW-107A	11/11/2014	7672667	Ethyl Chloride	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107A	11/11/2014	7672667	1,1-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107A	11/11/2014	7672667	Fluorene	0.012	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
GW2H14-MW-106A	11/10/2014	7672665	1,4-Dichlorobenzene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-106A	11/10/2014	7672665	Phenol	0.7	UG/L	MDL	0.5	1	J	8270D		3510C
GW2H14-MW-106A	11/10/2014	7672665	1,4-Dioxane	3	UG/L	MDL	1	5	J	8270D		3510C

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2H14-MW-106A	11/10/2014	7672665	cis-1,2 Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-106A	11/10/2014	7672665	Benzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-106A	11/10/2014	7672665	Chromium	0.0016	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
GW2H14-MW-106A	11/10/2014	7672665	1,1-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-216B	11/10/2014	7672663	1,4-Dioxane	1	UG/L	MDL	1	5	J	8270D		3510C
GW2H14-MW-216B	11/10/2014	7672663	Barium	0.0046	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-MW-216B	11/10/2014	7672663	Vinyl Chloride	0.012	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
GW2H14-MW-216B	11/10/2014	7672663	1,1-Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-216B	11/10/2014	7672663	Phenanthrene	0.033	UG/L	MDL	0.030	0.061	J	8270D SIM		3510C
GW2H14-MW-216B	11/10/2014	7672663	Fluorene	0.029	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
GW2H14-MW-216A	11/10/2014	7672661	Tetrachloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-216A	11/10/2014	7672661	Lead	0.00014	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
GW2H14-MW-216A	11/10/2014	7672661	Thallium	0.00016	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
GW2H14-MW-216A	11/10/2014	7672661	Beryllium	0.00082	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
GW2H14-MW-216A	11/10/2014	7672661	1,1-Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-213	11/12/2014	7674176	1,4-Dioxane	3	UG/L	MDL	1	6	J	8270D		3510C
GW2H14-MW-213	11/12/2014	7674176	Barium	0.0061	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
GW2H14-MW-213	11/12/2014	7674176	Beryllium	0.0012	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
GW2H14-MW-107B	11/11/2014	7672669	1,1-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107B	11/11/2014	7672669	1,1-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
GW2H14-MW-107B	11/11/2014	7672669	Trichlorofluoromethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 12, 2014

Project: BRE - CAMU GWM

Submittal Date: 10/31/2014

Group Number: 1515243

PO Number: LBIO-67047

State of Sample Origin: NC

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
GW2H14-SW-6 Surface Water	7658000
GW2H14-SW-6 MS Surface Water	7658001
GW2H14-SW-6 MSD Surface Water	7658002
GW2H14-SW-6 Dupl Surface Water	7658003
GW2H14-SW-6-Z Filtered Surface Water	7658004
GW2H14-SW-6-A Surface Water	7658008
GW2H14-SW-6-A MS Surface Water	7658009
GW2H14-SW-6-A MSD Surface Water	7658010
GW2H14-SW-6-D Surface Water	7658011
GW2H14-SW-6-D-A Surface Water	7658012
GW2H14-SW-5 Surface Water	7658013
GW2H14-SW-5-Z Filtered Surface Water	7658014
GW2H14-SW-5-A Surface Water	7658015
TB-103014-3 Blank Water	7658016
TB-103014-A-3 Blank Water	7658017
TB-103014 Blank Water	7658018
TB-103014-A Blank Water	7658019
EB-103014 Blank Water	7658020
EB-103014-A Blank Water	7658021

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: GW2H14-SW-6 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658000
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658000
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658000
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous							
		SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.3		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0056 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	1.08		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.299 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.393		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0263		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0043 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
		SM 2540 D-1997	mg/l		mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.00 U		1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658000
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 03:08	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 22:01	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 22:01	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 03:08	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 14:31	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/06/2014 20:38	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 01:27	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:09	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:04	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:04	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:04	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:04	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:04	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 06:44	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145702A	11/05/2014 07:40	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 4SW-6 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7658000
 Sample wt/vol: 247 (g/mL) mL Lab File ID: dk0284.d
 Level: (low/med) LOW Date Received: 10/31/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/05/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl Furan		0	U
2.				
3.				
4.				
5.				
6.				
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23.				
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25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-SW-6 MS Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658001
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	36	3.0	5.0	1
02898	Acetonitrile	75-05-8	31	7.0	20	1
02898	Allyl Chloride	107-05-1	5.2	0.1	0.5	1
02898	Benzene	71-43-2	5.5	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.4	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	4.6	0.1	0.5	1
02898	2-Butanone	78-93-3	37	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.6	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.9	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.6	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.6	0.1	0.5	1
02898	Chloroethane	75-00-3	4.6	0.1	0.5	1
02898	Chloroform	67-66-3	5.6	0.1	0.5	1
02898	Chloromethane	74-87-3	4.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.1	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.6	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.6	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.6	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	17	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	5.4	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.4	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.4	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.4	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.6	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.8	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.4	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.7	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.2	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.5	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.4	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.6	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	39	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.2	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.0	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.5	0.2	0.5	1
02898	Propionitrile	107-12-0	38	2.0	10	1
02898	Styrene	100-42-5	6.0	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.4	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.6	0.1	0.5	1
02898	Toluene	108-88-3	5.6	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.6	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MS Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658001
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,1,2-Trichloroethane	79-00-5	5.7	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.6	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.0	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.7	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	15	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	18	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.56	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	55	0.5	1	1
10461	Dibenzofuran	132-64-9	57	0.5	1	1
10461	1,4-Dioxane	123-91-1	33	1	5	1
10461	Diphenyl ether	101-84-8	55	0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	42	0.5	1	1
10461	1-Methylnaphthalene	90-12-0	52	0.1	0.5	1
10461	Phenol	108-95-2	24	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.2	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
12971	Anthracene	120-12-7	1.2	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.1	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	1.1	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.1	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.78	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	1.1	0.010	0.051	1
12971	Chrysene	218-01-9	1.1	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.73	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.1	0.010	0.051	1
12971	Fluorene	86-73-7	1.1	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.75	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.1	0.030	0.061	1
12971	Phenanthrene	85-01-8	1.1	0.030	0.061	1
12971	Pyrene	129-00-0	1.2	0.010	0.051	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	190	8.0	10	1
12926	Ethylene glycol	107-21-1	200	8.0	10	1
12926	Propylene glycol	57-55-6	200	8.0	10	1
12926	Triethylene glycol	112-27-6	170	8.0	10	1
Metals	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	1.99	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0489	0.00067	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MS Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658001
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07051	Chromium	7440-47-3	0.202	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.508	0.0010	0.0100	1
07053	Copper	7440-50-8	0.243	0.0028	0.0200	1
01754	Iron	7439-89-6	1.29	0.0334	0.400	1
07058	Manganese	7439-96-5	0.512	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.515	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.147	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0366	0.0018	0.0100	1
07069	Tin	7440-31-5	3.96	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.481	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.492	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0058	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0098	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0148	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00092	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 03:30	Kevin A Sposito	1
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 04:16	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 22:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 22:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 03:30	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143082AA	11/05/2014 04:16	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 14:58	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/06/2014 21:05	Catherine E Bachman	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MS Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658001
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 01:42	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:21	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:09	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:09	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:09	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:09	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:09	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 06:49	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MSD Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658002
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	38	3.0	5.0	1
02898	Acetonitrile	75-05-8	30	7.0	20	1
02898	Allyl Chloride	107-05-1	5.3	0.1	0.5	1
02898	Benzene	71-43-2	5.4	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	5.3	0.1	0.5	1
02898	Bromomethane	74-83-9	4.6	0.1	0.5	1
02898	2-Butanone	78-93-3	39	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.6	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.8	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.6	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	4.5	0.1	0.5	1
02898	Chloroform	67-66-3	5.5	0.1	0.5	1
02898	Chloromethane	74-87-3	4.7	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.5	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.4	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	19	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	5.4	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.4	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.4	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.2	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.3	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.7	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.4	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.5	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.3	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.2	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.4	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.4	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.5	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130	10	25	1
02898	Methacrylonitrile	126-98-7	43	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.2	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.6	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.4	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.5	0.2	0.5	1
02898	Propionitrile	107-12-0	40	2.0	10	1
02898	Styrene	100-42-5	5.9	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.4	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MSD Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658002
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	1,1,2-Trichloroethane	79-00-5	5.4	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.0	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	15	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.60	0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	53	0.5	1	1
10461	Dibenzofuran	132-64-9	54	0.5	1	1
10461	1,4-Dioxane	123-91-1	33	1	5	1
10461	Diphenyl ether	101-84-8	52	0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	40	0.5	1	1
10461	1-Methylnaphthalene	90-12-0	50	0.1	0.5	1
10461	Phenol	108-95-2	29	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.2	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
12971	Anthracene	120-12-7	1.2	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	1.2	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.3	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	1.1	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	1.3	0.010	0.051	1
12971	Chrysene	218-01-9	1.2	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	1.1	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.1	0.010	0.051	1
12971	Fluorene	86-73-7	1.2	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.1	0.030	0.061	1
12971	Phenanthrene	85-01-8	1.1	0.030	0.061	1
12971	Pyrene	129-00-0	1.2	0.010	0.051	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	180	8.0	10	1
12926	Ethylene glycol	107-21-1	190	8.0	10	1
12926	Propylene glycol	57-55-6	190	8.0	10	1
12926	Triethylene glycol	112-27-6	170	8.0	10	1
Metals	SW-846 6010C		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.00	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0494	0.00067	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MSD Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658002
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010C	mg/l	mg/l	mg/l	
07051	Chromium	7440-47-3	0.196	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.502	0.0010	0.0100	1
07053	Copper	7440-50-8	0.251	0.0028	0.0200	1
01754	Iron	7439-89-6	1.33	0.0334	0.400	1
07058	Manganese	7439-96-5	0.521	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.511	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.148	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0430	0.0018	0.0100	1
07069	Tin	7440-31-5	4.01	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.504	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.496	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0056	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0100	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0152	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0019	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00090	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 03:53	Kevin A Sposito	1
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 04:38	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 22:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 22:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 03:53	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143082AA	11/05/2014 04:38	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 15:25	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/06/2014 21:33	Catherine E Bachman	1
10466	BNA Water Extraction	SIM SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 MSD Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658002
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 01:56	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 16:24	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:11	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:11	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:11	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:11	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:11	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 06:51	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 Dupl Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658003
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	4.3		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0054	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
01750	Calcium	7440-70-2	1.10		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.292	J	0.0334	0.400	1
01757	Magnesium	7439-95-4	0.378		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0259		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0037	J	0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 16:17	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6 Dupl Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658003
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014	16:17	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:07	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:07	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:07	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:07	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:07	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	06:47	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-Z Filtered Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658004
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4SW6Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
SW-846 6010C			mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0053 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.206 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0178	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0040 J	0.0020	0.0400	1
SW-846 6020A			mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082 U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
SW-846 7470A			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:21	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-Z Filtered Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658004
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW6Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:45	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:45	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:45	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:45	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:45	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:19	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-A Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658008
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW6A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 15:04	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 15:04	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-A MS Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658009
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW6A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	160	40	100	1
10335	Acrylonitrile	107-13-1	73	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 15:27	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 15:27	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-A MSD Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658010
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW6A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acrolein	107-02-8	160	40	100	1
10335	Acrylonitrile	107-13-1	75	4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 15:51	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 15:51	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-D Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658011
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4S-6D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1	U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1	U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1	U	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-D Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658011
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4S-6D

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.050	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.050	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.050	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.050	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.060	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.050	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-D Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658011
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4S-6D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous							
	SW-846 8015C Feb 2007 Rev 3		mg/l		mg/l	mg/l	
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
	SM 2340 B-1997		mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	6.8		0.033	0.40	1
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0060 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	2.06		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.310 J		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.404		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0269		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0030 J		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 07:15	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 01:24	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 01:24	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-6-D Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658011
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4S-6D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 07:15	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 19:02	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/06/2014 23:50	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:42	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143106256011	11/06/2014 11:30	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/05/2014 17:33	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:32	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:46	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:46	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:46	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:46	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:46	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:25	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 4S-6D !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7658011
 Sample wt/vol: 248 (g/mL) mL Lab File ID: dk0294.d
 Level: (low/med) LOW Date Received: 10/31/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/05/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl Furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-SW-6-D-A Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658012
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4S6DA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 14:17	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 14:17	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658013
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1	U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1	U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1	U	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658013
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-5

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658013
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4SW-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous							
		SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
		SM 2340 B-1997	mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	8.6		0.033	0.40	1
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0080 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	2.67		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.653		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.481		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0532		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0029 J		0.0020	0.0400	1
		SW-846 6020A	mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00019 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
		SW-846 7470A	mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1
Wet Chemistry							
		SM 2540 D-1997	mg/l		mg/l	mg/l	
10457	Total Suspended Solids	n.a.	37.6		1.00	3.00	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5 Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658013
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW-5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 07:38	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 01:44	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 01:44	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 07:38	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 19:29	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/07/2014 00:18	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:57	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143156256010	11/11/2014 06:00	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/06/2014 11:35	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:36	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:48	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:48	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:48	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:48	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:48	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:27	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145702A	11/05/2014 07:40	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 4SW-5 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7658013
 Sample wt/vol: 246 (g/mL) mL Lab File ID: dk0295.d
 Level: (low/med) LOW Date Received: 10/31/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/05/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-SW-5-Z Filtered Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658014
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW5Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved							
		SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0055	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.268	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0339	U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0044	J	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l		
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00082	U	0.00082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l		
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:40	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5-Z Filtered Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658014
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW5Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution Factor
					Date	Time		
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:50	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:50	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:50	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:50	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:50	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:29	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-SW-5-A Surface Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658015
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4SW5A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l		ug/l	ug/l	
10335	Acrolein	107-02-8	40 U		40	100	1
10335	Acrylonitrile	107-13-1	4 U		4	20	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 14:40	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 14:40	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-3 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658016
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4STB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Detection	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
		purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1	
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1	
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1	
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1	
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1	
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1	
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1	
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1	
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1	
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1	
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1	
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1	
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1	
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1	
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1	
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1	
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1	
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1	
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1	
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1	
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1	
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1	
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1	
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1	
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1	
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1	
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1	
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1	
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1	
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1	
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1	
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1	
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1	
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1	
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1	
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1	
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1	
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1	
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1	
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1	
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1	
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1	
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1	
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1	
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1	
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1	
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1	
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1	
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1	
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1	

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-3 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658016
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4STB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 00:52	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 21:01	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 21:01	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 00:52	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-A-3 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658017
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 09:30 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4TB3A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	1
10335	Acrylonitrile	107-13-1	4 U	4	20	1	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 17:25	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 17:25	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658018
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-TB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658018
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 14:10

4-TB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 01:15	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 21:21	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 21:21	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 01:15	Kevin A Sposito	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-103014-A Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658019
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 10:35 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-TBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 17:49	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 17:49	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-103014 Blank Water**
GW2H14 CAMU/SED SW PW

LL Sample # **WW 7658020**
LL Group # **1515243**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 10/30/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-EB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
		purge				
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0 U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1 U	0.1	0.5	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10 U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2 U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0 U	2.0	10	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-103014 Blank Water**
GW2H14 CAMU/SED SW PW

LL Sample # **WW 7658020**
LL Group # **1515243**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 10/30/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-EB-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.031 U		0.031	0.061	1
12971	Phenanthrene	85-01-8	0.031 U		0.031	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0

*=This limit was used in the evaluation of the final result

Sample Description: EB-103014 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658020
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-EB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous							
	SW-846 8015C Feb 2007 Rev 3		mg/l		mg/l	mg/l	
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10	1
Metals							
	SM 2340 B-1997		mg/l		mg/l	mg/l	
06256	Total Hardness as CaCO3	471-34-1	2.2		0.033	0.40	1
	SW-846 6010C		mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0011 J		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
01750	Calcium	7440-70-2	0.804		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U		0.0334	0.400	1
01757	Magnesium	7439-95-4	0.0348 J		0.0167	0.200	1
07058	Manganese	7439-96-5	0.00083 U		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U		0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0032 J		0.0020	0.0400	1
	SW-846 6020A		mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
	SW-846 7470A		mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX Volatiles	SW-846 8260B 25mL	1	C143082AA	11/05/2014 01:38	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 21:41	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 21:41	Sara E Johnson	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-103014 Blank Water
GW2H14 CAMU/SED SW PW

LL Sample # WW 7658020
LL Group # 1515243
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 10/30/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-EB-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 01:38	Kevin A Sposito	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14309WAI026	11/07/2014 19:57	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14309WAJ026	11/07/2014 00:45	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14309WAJ026	11/05/2014 22:20	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 01:12	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143106256011	11/06/2014 11:30	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/05/2014 17:40	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:43	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:52	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:52	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:52	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:52	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:52	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:31	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 4-EB- !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7658020
 Sample wt/vol: 245 (g/mL) mL Lab File ID: dk0296.d
 Level: (low/med) LOW Date Received: 10/31/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/05/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/07/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: **EB-103014-A Blank Water**
GW2H14 CAMU/SED SW PW

LL Sample # **WW 7658021**
LL Group # **1515243**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 10/30/2014 11:45 by ME

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 10/31/2014 09:25

Reported: 11/12/2014 14:10

4-EBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l		
10335	Acrolein	107-02-8	40 U	40	100	1	
10335	Acrylonitrile	107-13-1	4 U	4	20	1	

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 18:12	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 18:12	Sarah A Guill	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143082AA	Sample number(s): 7658000-7658002,7658011,7658013,7658016,7658018,7658020								
Acetone	3.0	U	3.0	5.0	ug/l	89	60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81	50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96	66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103	80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	100	80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100	80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97	72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89	62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100	63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104	70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107	80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99	78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107	80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93	68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105	80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92	55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104	64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99	80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104	80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31	14-166		
1,2-Dichlorobenzene	0.1	U	0.1	0.5	ug/l	103	80-120		
1,3-Dichlorobenzene	0.1	U	0.1	0.5	ug/l	104	80-120		
1,4-Dichlorobenzene	0.1	U	0.1	0.5	ug/l	104	80-120		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99	35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101	80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107	76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107	80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100	80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106	80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103	80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86	80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93	70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103	80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99	72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104	73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110	59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101	56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92	71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104	80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100	75-126		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Propionitrile	2.0 U	2.0	10	ug/l	108		67-143		
Styrene	0.1 U	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	109		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	107		80-120		

Batch number: E143071AA Sample number(s): 7658000-7658002,7658011,7658013,7658016,7658018,7658020
Vinyl Chloride 0.010 U 0.010 0.050 ug/l 102 70-130

Batch number: W143061AA Sample number(s): 7658008-7658010,7658012,7658015,7658017,7658019,7658021
Acrolein 40 U 40. 100 ug/l 96 59-120
Acrylonitrile 4 U 4. 20 ug/l 75 62-120

Batch number: 14309WAI026 Sample number(s): 7658000-7658002,7658011,7658013,7658020
1,1'-Biphenyl 0.5 U 0.5 1 ug/l 100 56-134
Dibenzofuran 0.5 U 0.5 1 ug/l 103 81-110
1,4-Dioxane 1 U 1. 5 ug/l 66 39-83
Diphenyl ether 0.5 U 0.5 1 ug/l 98 77-113
1,2-Diphenylhydrazine 0.5 U 0.5 1 ug/l 78 74-124
1-Methylnaphthalene 0.1 U 0.1 0.5 ug/l 95 79-111
Phenol 0.5 U 0.5 1 ug/l 54 25-80

Batch number: 14309WAJ026 Sample number(s): 7658000-7658002,7658011,7658013,7658020
Acenaphthene 0.010 U 0.010 0.050 ug/l 114 82-126
Acenaphthylene 0.010 U 0.010 0.050 ug/l 79 72-124
Anthracene 0.010 U 0.010 0.050 ug/l 101 83-125
Benzo(a)anthracene 0.010 U 0.010 0.050 ug/l 116 79-122
Benzo(a)pyrene 0.010 U 0.010 0.050 ug/l 101 72-126
Benzo(b)fluoranthene 0.010 U 0.010 0.050 ug/l 124 79-136
Benzo(g,h,i)perylene 0.010 U 0.010 0.050 ug/l 93 59-137
Benzo(k)fluoranthene 0.010 U 0.010 0.050 ug/l 119 72-129
Chrysene 0.010 U 0.010 0.050 ug/l 115 77-122
Dibenz(a,h)anthracene 0.010 U 0.010 0.050 ug/l 85 42-143
Fluoranthene 0.010 U 0.010 0.050 ug/l 104 76-121
Fluorene 0.010 U 0.010 0.050 ug/l 110 82-119
Indeno(1,2,3-cd)pyrene 0.010 U 0.010 0.050 ug/l 88 53-136
2-Methylnaphthalene 0.010 U 0.010 0.050 ug/l 94 68-124
Naphthalene 0.030 U 0.030 0.060 ug/l 167* 78-117
Phenanthrene 0.030 U 0.030 0.060 ug/l 104 83-116
Pyrene 0.010 U 0.010 0.050 ug/l 118 70-124

Batch number: 143090027A Sample number(s): 7658000-7658002,7658011,7658013,7658020
Diethylene glycol 8.0 U 8.0 10 mg/l 97 55-122
Ethylene glycol 8.0 U 8.0 10 mg/l 96 54-129
Propylene glycol 8.0 U 8.0 10 mg/l 95 57-137
Triethylene glycol 8.0 U 8.0 10 mg/l 88 46-118

Batch number: 143070636001 Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCS %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Barium	0.00033 U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	97		80-120		
Calcium	0.0609 J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	99		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	98		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	100		80-120		
Magnesium	0.0342 J	0.0167	0.200	mg/l	99		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	97		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	101		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	94		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	86		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0038 J	0.0020	0.0400	mg/l	97		80-120		

Batch number: 143070639001A	Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020
Antimony	0.00033 U 0.00033 0.0020 mg/l 95 80-120
Arsenic	0.00082 U 0.00082 0.0040 mg/l 92 80-120
Cadmium	0.00017 U 0.00017 0.0010 mg/l 98 80-120
Lead	0.000082 U 0.00008 0.0020 mg/l 97 80-120
Thallium	0.00015 U 0.00015 0.0010 mg/l 94 80-120

Batch number: 143075713001	Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020
Mercury	0.000060 U 0.00006 0.00020 mg/l 93 80-120

Batch number: 14309145702A	Sample number(s): 7658000,7658013
Total Suspended Solids	1.00 U 1.00 3.00 mg/l 96 91-105

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143082AA	Sample number(s): 7658000-7658002,7658011,7658013,7658016,7658018,7658020 UNSPK: 7658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromochloromethane	109	111	82-125	1	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
1,2-Dichlorobenzene	108	108	83-117	0	30				
1,3-Dichlorobenzene	108	108	79-132	0	30				
1,4-Dichlorobenzene	107	107	79-120	0	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				

Batch number: E143071AA Sample number(s): 7658000-7658002,7658011,7658013,7658016,7658018,7658020 UNSPK:
7658000

Vinyl Chloride 113 120 70-130 6 30

Batch number: W143061AA Sample number(s): 7658008-7658010,7658012,7658015,7658017,7658019,7658021 UNSPK:
7658008

Acrolein 104 105 39-136 1 30

Acrylonitrile 73 75 51-125 3 30

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Batch number: 14309WAI026	Sample number(s): 7658000-7658002,7658011,7658013,7658020 UNSPK: 7658000							
1,1'-Biphenyl	110	105	73-114	5	30			
Dibenzofuran	113	107	71-116	5	30			
1,4-Dioxane	66	66	48-83	1	30			
Diphenyl ether	109*	103	81-105	5	30			
1,2-Diphenylhydrazine	84	79	67-129	6	30			
1-Methylnaphthalene	104	100	78-110	4	30			
Phenol	49	57	10-107	16	30			
Batch number: 14309WAJ026	Sample number(s): 7658000-7658002,7658011,7658013,7658020 UNSPK: 7658000							
Acenaphthene	121	122	69-134	0	30			
Acenaphthylene	107	108	66-132	0	30			
Anthracene	115	118	64-129	2	30			
Benzo(a)anthracene	113	120	37-135	6	30			
Benzo(a)pyrene	106	123	32-137	15	30			
Benzo(b)fluoranthene	111	125	41-137	12	30			
Benzo(g,h,i)perylene	77	108	21-127	34*	30			
Benzo(k)fluoranthene	111	130	36-139	16	30			
Chrysene	113	122	51-129	8	30			
Dibenz(a,h)anthracene	72	105	17-134	37*	30			
Fluoranthene	109	112	53-133	3	30			
Fluorene	112	114	59-137	2	30			
Indeno(1,2,3-cd)pyrene	74	105	26-130	35*	30			
2-Methylnaphthalene	103	102	64-129	1	30			
Naphthalene	112	111	58-131	1	30			
Phenanthrene	111	112	66-126	1	30			
Pyrene	119	121	49-136	2	30			
Batch number: 143090027A	Sample number(s): 7658000-7658002,7658011,7658013,7658020 UNSPK: 7658000							
Diethylene glycol	93	90	52-122	4	20			
Ethylene glycol	96	92	54-123	4	20			
Propylene glycol	97	92	55-131	6	20			
Triethylene glycol	83	82	33-123	1	20			
Batch number: 143070636001	Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020 UNSPK: 7658000 BKG: 7658000							
Barium	99	100	75-125	0	20	0.0056 J	0.0054 J	3 (1) 20
Beryllium	98	99	75-125	1	20	0.00067 U	0.00067 U	0 (1) 20
Calcium	96	99	75-125	2	20	1.08	1.10	2 (1) 20
Chromium	101	98	75-125	3	20	0.0013 U	0.0013 U	0 (1) 20
Cobalt	102	100	75-125	1	20	0.0010 U	0.0010 U	0 (1) 20
Copper	97	100	75-125	3	20	0.0028 U	0.0028 U	0 (1) 20
Iron	99	103	75-125	3	20	0.299 J	0.292 J	2 (1) 20
Magnesium	98	99	75-125	1	20	0.393	0.378	4 (1) 20
Manganese	97	99	75-125	2	20	0.0263	0.0259	2 (1) 20
Nickel	103	102	75-125	1	20	0.0016 U	0.0016 U	0 (1) 20
Selenium	98	98	75-125	0	20	0.0048 U	0.0048 U	0 (1) 20
Silver	73*	86	75-125	16	20	0.0018 U	0.0018 U	0 (1) 20
Tin	99	100	75-125	1	20	0.0024 U	0.0024 U	0 (1) 20
Vanadium	96	101	75-125	5	20	0.0019 U	0.0019 U	0 (1) 20
Zinc	97	98	75-125	1	20	0.0043 J	0.0037 J	17 (1) 20

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143070639001A	Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020 UNSPK: 7658000 BKG: 7658000								
Antimony	97	93	75-125	3	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	98	100	75-125	3	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	100	75-125	3	20	0.00017 U	0.00017 U	0 (1)	20
Lead	99	101	75-125	3	20	0.00082 U	0.00082 U	0 (1)	20
Thallium	100	97	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143075713001	Sample number(s): 7658000-7658004,7658011,7658013-7658014,7658020 UNSPK: 7658000 BKG: 7658000								
Mercury	92	90	80-120	2	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14309145702A	Sample number(s): 7658000,7658013 BKG: P660298								
Total Suspended Solids						6.13	7.07	14* (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: APPIX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7658000	104	103	97	98
7658001	101	100	100	104
7658002	100	100	100	103
7658011	104	102	97	98
7658013	105	102	96	99
7658016	102	104	97	97
7658018	104	105	97	98
7658020	103	104	97	97
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA

	Dibromofluoromethane
7658000	108
7658001	108
7658002	108
7658011	108
7658013	107
7658016	110
7658018	111
7658020	110

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Surrogate Quality Control

Blank 102
LCS 108
MS 108
MSD 108
Limits: 80-120

Analysis Name: Acrolein, Acrylonitrile

Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7658008	105	96	95	93
7658009	104	103	99	99
7658010	103	99	100	100
7658012	104	100	96	93
7658015	104	99	95	93
7658017	106	102	96	92
7658019	107	101	96	92
7658021	106	103	95	92
Blank	100	99	97	95
LCS	101	99	100	99
MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BRE CAMU GW SVOAs

Batch number: 14309WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7658000	48	71	133	85	100	124
7658001	46	62	112	84	100	116
7658002	53	77	135	80	95	120
7658011	48	72	126	85	96	124
7658013	48	69	123	87	100	111
7658020	49	72	127	94	106	109
Blank	52	74	136	82	98	133
LCS	53	75	132	83	94	102
MS	46	62	112	84	100	116
MSD	53	77	135	80	95	120
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds

Batch number: 14309WAJ026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7658000	98	111	94
7658001	104	111	107
7658002	109	128	104
7658011	102	114	94
7658013	93	97	87
7658020	89	94	87
Blank	94	109	86
LCS	102	106	98
MS	104	111	107
MSD	109	128	104
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/12/14 at 02:10 PM

Group Number: 1515243

Surrogate Quality Control

Batch number: 143090027A
Tetramethylene glycol

7658000	97
7658001	95
7658002	96
7658011	90
7658013	93
7658020	90
Blank	98
LCS	99
MS	95
MSD	96

Limits: 54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

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- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1515243 Sample Nos.: 7658000-21

Acc't: 06643 SF: 217503 SCR No.: 163061 Cooler No.: 19000

30348

Cooler Temperature upon receipt: 0-6 °C Container No.: 1

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments:							
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379		<div style="display: flex; flex-direction: column; align-items: center;"> VOCs APPIX Volatiles (8260) Vinyl Chloride (8260 SIM) Acrolein/Acrylonitrile (8260)* </div>										3 day holding time for acrolein and acrylonitrile							
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681												Analyzed for both Programs							
1300 Staton Road		Release No.:												Surface Water ^{2ms} 10/28/14							
Cedar Mountain NC 28718		PO Number: LBIO-66380												Condition upon receipt:							
Sampler(s): <u>WE, HL</u>		Project Name: <u>SED SW PW 2014 / GW 2014 CAMU</u>																			
Sample Identification			Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*										
<u>SSP14-SW-5</u>			<u>10/30/14</u>	<u>930</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>		<div style="font-size: 4em; opacity: 0.5;">}</div>									
<u>SSP14-SW-5-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>SSP14-SW-6</u>				<u>1035</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
<u>SSP14-SW-6-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>SSP14-SW-6-D</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>5</u>	<u>X</u>	<u>X</u>											
<u>SSP14-SW-6-D-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>EB-103014</u>				<u>1145</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>4</u>	<u>X</u>	<u>X</u>											
<u>EB-103014-A</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>3</u>			<u>X</u>										
<u>TB-103014-3</u>				<u>930</u>	<u>WW</u>	<u>40</u>	<u>HCl</u>	<u>4</u>	<u>X</u>	<u>X</u>											
<u>TB-103014-A3</u>				<u>↓</u>	<u>WW</u>	<u>40</u>	<u>None</u>	<u>2</u>			<u>X</u>										
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>								Special Instructions: <u>*3 Day Holding Time</u>													
Bottles Relinquished by: <u>SDelle</u>			Date: <u>10/21/14</u>	Time: <u>15:50</u>	Bottles Received by: <u>MelOS</u>			Date: <u>10/28/14</u>	Time: <u>1200</u>												
Bottles Relinquished by: <u>MelOS</u>			Date: <u>10/30/14</u>	Time: <u>1830</u>	Bottles Received by:			Date:	Time:												
Bottles Relinquished by:			Date:	Time:	Bottles Received by:			Date:	Time:												
Bottles Relinquished by:			Date:	Time:	Bottles Received by: <u>Cash</u>			Date: <u>10/31/14</u>	Time: <u>0925</u>												

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>10/31/2014 9:25</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED
EMPTY

Client: DUPONT BREVARD

GW2H14 CAMU

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>10/31/2014 9:15</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>NC</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	No	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2 HCL, 2 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 10:17 on 10/31/2014

Samples Chilled Details: GW2H14 CAMU

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.9	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 25, 2014

Project: BRE - CAMU GWM

Submittal Date: 11/12/2014

Group Number: 1518095

PO Number: LBIO-67047

State of Sample Origin: NC

Client Sample Description

GW2H14-MW-216A Groundwater
GW2H14-MW-216A-A Groundwater
GW2H14-MW-216B Groundwater
GW2H14-MW-216B-A Groundwater
GW2H14-MW-106A Groundwater
GW2H14-MW-106A-A Groundwater
GW2H14-MW-107A Groundwater
GW2H14-MW-107A-A Groundwater
GW2H14-MW-107B Groundwater
GW2H14-MW-107B-A Groundwater
TB-111014 Blank Water
TB-111014-A Blank Water

Lancaster Labs (LL)

7672661
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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: GW2H14-MW-216A Groundwater
GW2H14 CAMU

LL Sample # WW 7672661
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216A-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.3 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.4 J		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	3.7		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216A Groundwater
GW2H14 CAMU

LL Sample # WW 7672661
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	6	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.6 U		0.6	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.6	1
10461	Phenol	108-95-2	0.6 U		0.6	1	1

A targeted library search was performed yielding the following results:
2,5-Dimethylfuran is non-detect.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.056	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.056	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.056	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.056	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.056	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.056	1
12971	Naphthalene	91-20-3	0.033 U	0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033 U	0.033	0.067	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.056	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l	mg/l	mg/l		
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0352	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00082 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216A Groundwater
GW2H14 CAMU

LL Sample # WW 7672661
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.00014 J		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00016 J		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 16:14	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 13:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 13:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 16:14	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14318WAI026	11/18/2014 23:30	William H Saadeh	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14318WAJ026	11/18/2014 00:54	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14318WAJ026	11/15/2014 13:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14318WAI026	11/15/2014 13:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 19:02	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216A Groundwater
GW2H14 CAMU

LL Sample # WW 7672661
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:47	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 04:52	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 04:52	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 04:52	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 04:52	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 04:52	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:06	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 216A- !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7672661
 Sample wt/vol: 224 (g/mL) mL Lab File ID: hk0805.d
 Level: (low/med) LOW Date Received: 11/12/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/15/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.625-86-5	Furan, 2,5-dimethyl		0	U
2.SVOCTIC	Total SVOC TICs		0	U
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-MW-216A-A Groundwater
GW2H14 CAMU

LL Sample # WW 7672662
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 16:53	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 16:53	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216B Groundwater
GW2H14 CAMU

LL Sample # WW 7672663
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 15:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216B-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.3 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.6		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.012 J		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216B Groundwater
GW2H14 CAMU

LL Sample # WW 7672663
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 15:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	1,100		10	20	20
10461	Dibenzofuran	132-64-9	6		0.5	1	1
10461	1,4-Dioxane	123-91-1	1	J	1	5	1
10461	Diphenyl ether	101-84-8	3,100		51	100	100
10461	1,2-Diphenylhydrazine	122-66-7	0.5	U	0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1	U	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1

A targeted library search was performed yielding the following results:
2,5-Dimethylfuran is non-detect.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.029	J	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.052		0.010	0.051	1
12971	Naphthalene	91-20-3	1.5		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.033	J	0.030	0.061	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.051	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l		mg/l	mg/l	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10
12926	Propylene glycol	57-55-6	8.0	U	8.0	10
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0046	J	0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216B Groundwater
GW2H14 CAMU

LL Sample # WW 7672663
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 15:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 16:36	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 13:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 13:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 16:36	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14318WAI026	11/19/2014 00:00	William H Saadeh	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14318WAI026	11/19/2014 06:00	Joseph M Gambler	20
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14318WAI026	11/19/2014 06:42	Joseph M Gambler	100
12971	17 PAH Compounds	SW-846 8270D SIM	1	14318WAJ026	11/18/2014 01:22	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14318WAJ026	11/15/2014 13:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14318WAI026	11/15/2014 13:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 19:17	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-216B Groundwater
GW2H14 CAMU

LL Sample # WW 7672663
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 15:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:51	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 04:54	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 04:54	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 04:54	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 04:54	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 04:54	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:08	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F EPA SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7672663
 Sample wt/vol: 247 (g/mL) mL Lab File ID: hk0806.d
 Level: (low/med) LOW Date Received: 11/12/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/15/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.625-86-5	Furan, 2,5-dimethyl		0	U
2.SVOCTIC	Total SVOC TICs		0	U
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-MW-216B-A Groundwater
GW2H14 CAMU

LL Sample # WW 7672664
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 15:31 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

216BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 17:16	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 17:16	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-106A Groundwater
GW2H14 CAMU

LL Sample # WW 7672665
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 16:52 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

106A-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.3 J		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.7 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 J		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.2 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.3 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.37		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-106A Groundwater
GW2H14 CAMU

LL Sample # WW 7672665
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 16:52 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

106A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	3 J		1	5	1
10461	Diphenyl ether	101-84-8	32		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.7 J		0.5	1	1

A targeted library search was performed yielding the following results:
2,5-Dimethylfuran is non-detect.

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U	0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032 U	0.032	0.064	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.053	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007 Rev 3	mg/l	mg/l	mg/l		
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l	mg/l	mg/l		
07046	Barium	7440-39-3	0.0766	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0016 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-106A Groundwater
GW2H14 CAMU

LL Sample # WW 7672665
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 16:52 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

106A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 16:57	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 14:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 14:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 16:57	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14318WAI026	11/19/2014 00:29	William H Saadeh	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14318WAJ026	11/18/2014 01:49	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14318WAJ026	11/15/2014 13:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14318WAI026	11/15/2014 13:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 19:32	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-106A Groundwater
GW2H14 CAMU

LL Sample # WW 7672665
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 16:52 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

106A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:03	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:01	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:01	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:01	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:01	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:01	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:10	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 106A- _____!
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7672665
 Sample wt/vol: 236 (g/mL) mL Lab File ID: hk0807.d
 Level: (low/med) LOW Date Received: 11/12/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/15/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.625-86-5	Furan, 2,5-dimethyl		0	U
2.SVOCTIC	Total SVOC TICs		0	U
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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28.				
29.				
30.				

Sample Description: GW2H14-MW-106A-A Groundwater
GW2H14 CAMU

LL Sample # WW 7672666
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 16:52 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

106AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 17:38	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 17:38	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107A Groundwater
GW2H14 CAMU

LL Sample # WW 7672667
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 09:46 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107A-

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.5 J		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.2 J		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.2 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2 J		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.2 J		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.5 J		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	1.0		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107A Groundwater
GW2H14 CAMU

LL Sample # WW 7672667
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 09:46 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	2	0.6	1	1
10461	Dibenzofuran	132-64-9	0.6 U	0.6	1	1
10461	1,4-Dioxane	123-91-1	3 J	1	6	1
10461	Diphenyl ether	101-84-8	52	0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.6 U	0.6	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U	0.1	0.6	1
10461	Phenol	108-95-2	2	0.6	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.072	0.011	0.056	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.056	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.056	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.056	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.056	1
12971	Fluorene	86-73-7	0.012 J	0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	0.071	0.011	0.056	1
12971	Naphthalene	91-20-3	2.1	0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033 U	0.033	0.067	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.056	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.0743	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0015 J	0.0013
07052	Cobalt	7440-48-4	0.0010 U	0.0010
07053	Copper	7440-50-8	0.0028 U	0.0028
07061	Nickel	7440-02-0	0.0016 U	0.0016
07036	Selenium	7782-49-2	0.0048 U	0.0048
07066	Silver	7440-22-4	0.0018 U	0.0018
07071	Vanadium	7440-62-2	0.0019 U	0.0019

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107A Groundwater
GW2H14 CAMU

LL Sample # WW 7672667
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 09:46 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/25/2014 10:42

107A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0022 J	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 17:19	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 14:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 14:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 17:19	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 19:47	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 18:56	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 19:46	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107A Groundwater
GW2H14 CAMU

LL Sample # WW 7672667
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 09:46 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:06	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:03	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:03	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:03	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:03	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:03	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:12	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 107A- _____!
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7672667
 Sample wt/vol: 225 (g/mL) mL Lab File ID: dk0489.d
 Level: (low/med) LOW Date Received: 11/12/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-MW-107A-A Groundwater
GW2H14 CAMU

LL Sample # WW 7672668
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 09:46 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107AA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 22:13	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 22:13	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107B Groundwater
GW2H14 CAMU

LL Sample # WW 7672669
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 10:54 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.2 J		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.2 J		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.2 J		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107B Groundwater
GW2H14 CAMU

LL Sample # WW 7672669
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 10:54 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.054	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.054	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.054	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.054	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.065	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.065	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.054	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10	1
12926	Propylene glycol	57-55-6	8.0 U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10	1

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.00088 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107B Groundwater
GW2H14 CAMU

LL Sample # WW 7672669
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 10:54 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 17:40	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 14:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 14:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 17:40	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 20:15	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 19:23	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 20:01	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-107B Groundwater
GW2H14 CAMU

LL Sample # WW 7672669
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 10:54 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:10	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:06	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:06	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:06	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:06	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:06	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:19	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 107B- !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7672669
 Sample wt/vol: 231 (g/mL) mL Lab File ID: dk0490.d
 Level: (low/med) LOW Date Received: 11/12/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-MW-107B-A Groundwater
GW2H14 CAMU

LL Sample # WW 7672670
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 10:54 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107BA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 18:26	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 18:26	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111014 Blank Water
GW2H14 CAMU

LL Sample # WW 7672671
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111014 Blank Water
GW2H14 CAMU

LL Sample # WW 7672671
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30

Reported: 11/25/2014 10:42

107TB

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143231AA	11/19/2014 15:53	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 11:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 11:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143231AA	11/19/2014 15:53	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111014-A Blank Water
GW2H14 CAMU

LL Sample # WW 7672672
LL Group # 1518095
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/10/2014 13:58 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/12/2014 17:30
Reported: 11/25/2014 10:42

07TBA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 18:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 18:04	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143171AA Acrylonitrile	Sample number(s): 7672662,7672664,7672666,7672668,7672670,7672672 1.0 U 1.0 5.0 ug/l				89	85	64-141	4	30
Batch number: E143231AA Vinyl Chloride	Sample number(s): 7672661,7672663,7672665,7672667,7672669,7672671 0.010 U 0.010 0.050 ug/l				123		70-130		
Batch number: I143231AA Acetone	Sample number(s): 7672661,7672663,7672665,7672667,7672669,7672671 3.0 U 3.0 5.0 ug/l				100		60-139		
Benzene	0.1 U 0.1 0.5 ug/l				101		80-120		
Bromochloromethane	0.1 U 0.1 0.5 ug/l				102		80-125		
Bromodichloromethane	0.1 U 0.1 0.5 ug/l				93		80-120		
Bromoform	0.1 U 0.1 0.5 ug/l				82		72-138		
Bromomethane	0.1 U 0.1 0.5 ug/l				95		62-126		
2-Butanone	1.0 U 1.0 5.0 ug/l				97		63-137		
Carbon Disulfide	0.4 U 0.4 1.0 ug/l				99		70-128		
Carbon Tetrachloride	0.1 U 0.1 0.5 ug/l				98		80-135		
Chlorobenzene	0.1 U 0.1 0.5 ug/l				101		80-120		
Chloroethane	0.1 U 0.1 0.5 ug/l				93		68-120		
Chloroform	0.1 U 0.1 0.5 ug/l				101		80-120		
Chloromethane	0.2 U 0.2 0.5 ug/l				102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U 0.2 0.5 ug/l				86		64-141		
Dibromochloromethane	0.1 U 0.1 0.5 ug/l				95		80-126		
1,2-Dibromoethane	0.1 U 0.1 0.5 ug/l				103		80-120		
Dibromomethane	0.1 U 0.1 0.5 ug/l				100		80-120		
trans-1,4-Dichloro-2-butene	1.0 U 1.0 5.0 ug/l				80		14-166		
1,2-Dichlorobenzene	0.1 U 0.1 0.5 ug/l				100		80-120		
1,3-Dichlorobenzene	0.1 U 0.1 0.5 ug/l				100		80-120		
1,4-Dichlorobenzene	0.1 U 0.1 0.5 ug/l				101		80-120		
1,1-Dichloroethane	0.1 U 0.1 0.5 ug/l				98		80-120		
1,2-Dichloroethane	0.1 U 0.1 0.5 ug/l				100		76-132		
1,1-Dichloroethene	0.1 U 0.1 0.5 ug/l				103		80-123		
cis-1,2-Dichloroethene	0.1 U 0.1 0.5 ug/l				101		80-120		
trans-1,2-Dichloroethene	0.1 U 0.1 0.5 ug/l				105		80-120		
1,2-Dichloropropane	0.1 U 0.1 0.5 ug/l				100		80-120		
cis-1,3-Dichloropropene	0.1 U 0.1 0.5 ug/l				94		80-120		
trans-1,3-Dichloropropene	0.1 U 0.1 0.5 ug/l				93		80-120		
Ethylbenzene	0.1 U 0.1 0.5 ug/l				101		80-120		
2-Hexanone	1.0 U 1.0 5.0 ug/l				99		72-124		
Methyl Iodide	0.1 U 0.1 0.5 ug/l				104		80-129		
4-Methyl-2-pentanone	1.0 U 1.0 5.0 ug/l				103		71-123		
Methylene Chloride	0.2 U 0.2 0.5 ug/l				104		80-120		
Styrene	0.1 U 0.1 0.5 ug/l				102		80-120		
1,1,1,2-Tetrachloroethane	0.1 U 0.1 0.5 ug/l				101		80-120		
1,1,2,2-Tetrachloroethane	0.1 U 0.1 0.5 ug/l				100		80-120		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	107		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	104		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	114	112	38-145	2	30
Xylene (Total)	0.1 U	0.1	0.5	ug/l	101		80-120		

Batch number: 14318WAI026	Sample number(s): 7672661,7672663,7672665
1,1'-Biphenyl	0.5 U 0.5 1 ug/l 88 56-134
Dibenzofuran	0.5 U 0.5 1 ug/l 87 81-110
1,4-Dioxane	1 U 1. 5 ug/l 47 39-83
Diphenyl ether	0.5 U 0.5 1 ug/l 84 77-113
1,2-Diphenylhydrazine	0.5 U 0.5 1 ug/l 96 74-124
1-Methylnaphthalene	0.1 U 0.1 0.5 ug/l 87 79-111
Phenol	0.5 U 0.5 1 ug/l 45 25-80

Batch number: 14318WAJ026	Sample number(s): 7672661,7672663,7672665
Acenaphthene	0.010 U 0.010 0.050 ug/l 108 108 82-126 0 30
Acenaphthylene	0.010 U 0.010 0.050 ug/l 108 109 72-124 0 30
Anthracene	0.010 U 0.010 0.050 ug/l 109 108 83-125 0 30
Benzo(a)anthracene	0.010 U 0.010 0.050 ug/l 106 105 79-122 1 30
Benzo(a)pyrene	0.010 U 0.010 0.050 ug/l 112 111 72-126 1 30
Benzo(b)fluoranthene	0.010 U 0.010 0.050 ug/l 121 120 79-136 1 30
Benzo(g,h,i)perylene	0.010 U 0.010 0.050 ug/l 105 99 59-137 5 30
Benzo(k)fluoranthene	0.010 U 0.010 0.050 ug/l 110 109 72-129 1 30
Chrysene	0.010 U 0.010 0.050 ug/l 109 109 77-122 0 30
Dibenz(a,h)anthracene	0.010 U 0.010 0.050 ug/l 100 93 42-143 8 30
Fluoranthene	0.010 U 0.010 0.050 ug/l 108 108 76-121 0 30
Fluorene	0.010 U 0.010 0.050 ug/l 113 116 82-119 2 30
Indeno(1,2,3-cd)pyrene	0.010 U 0.010 0.050 ug/l 103 97 53-136 6 30
2-Methylnaphthalene	0.010 U 0.010 0.050 ug/l 93 96 68-124 3 30
Naphthalene	0.030 U 0.030 0.060 ug/l 97 101 78-117 4 30
Phenanthrene	0.030 U 0.030 0.060 ug/l 103 103 83-116 0 30
Pyrene	0.010 U 0.010 0.050 ug/l 104 103 70-124 1 30

Batch number: 14322WAA026	Sample number(s): 7672667,7672669
Acenaphthene	0.010 U 0.010 0.050 ug/l 122 82-126
Acenaphthylene	0.010 U 0.010 0.050 ug/l 99 72-124
Anthracene	0.010 U 0.010 0.050 ug/l 110 83-125
Benzo(a)anthracene	0.010 U 0.010 0.050 ug/l 112 79-122
Benzo(a)pyrene	0.010 U 0.010 0.050 ug/l 116 72-126
Benzo(b)fluoranthene	0.010 U 0.010 0.050 ug/l 118 79-136
Benzo(g,h,i)perylene	0.010 U 0.010 0.050 ug/l 117 59-137
Benzo(k)fluoranthene	0.010 U 0.010 0.050 ug/l 119 72-129
Chrysene	0.010 U 0.010 0.050 ug/l 116 77-122
Dibenz(a,h)anthracene	0.010 U 0.010 0.050 ug/l 113 42-143
Fluoranthene	0.010 U 0.010 0.050 ug/l 105 76-121
Fluorene	0.010 U 0.010 0.050 ug/l 107 82-119
Indeno(1,2,3-cd)pyrene	0.010 U 0.010 0.050 ug/l 117 53-136
2-Methylnaphthalene	0.010 U 0.010 0.050 ug/l 100 68-124
Naphthalene	0.030 U 0.030 0.060 ug/l 104 78-117
Phenanthrene	0.030 U 0.030 0.060 ug/l 106 83-116
Pyrene	0.010 U 0.010 0.050 ug/l 116 70-124

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 14322WAB026	Sample number(s): 7672667,7672669								
1,1'-Biphenyl	0.5 U	0.5	1	ug/l	97		56-134		
Dibenzofuran	0.5 U	0.5	1	ug/l	99		81-110		
1,4-Dioxane	1 U	1.	5	ug/l	64		39-83		
Diphenyl ether	0.5 U	0.5	1	ug/l	97		77-113		
1,2-Diphenylhydrazine	0.5 U	0.5	1	ug/l	97		74-124		
1-Methylnaphthalene	0.1 U	0.1	0.5	ug/l	96		79-111		
Phenol	0.5 U	0.5	1	ug/l	50		25-80		
Batch number: 143220036A	Sample number(s): 7672661,7672663,7672665,7672667,7672669								
Diethylene glycol	8.0 U	8.0	10	mg/l	81		55-122		
Ethylene glycol	8.0 U	8.0	10	mg/l	84		54-129		
Propylene glycol	8.0 U	8.0	10	mg/l	83		57-137		
Triethylene glycol	8.0 U	8.0	10	mg/l	79		46-118		
Batch number: 143180636002	Sample number(s): 7672661,7672663,7672665,7672667,7672669								
Barium	0.00036 J	0.00033	0.0100	mg/l	102		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	99		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	99		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	102		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	101		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	104		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	107		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	100		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143185713010	Sample number(s): 7672661,7672663,7672665,7672667,7672669								
Mercury	0.000060 U	0.00006	0.00020	mg/l	87		80-120		
Batch number: 143230639001A	Sample number(s): 7672661,7672663,7672665,7672667,7672669								
Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	104		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	99		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	102		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	103		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: C143171AA	Sample number(s): 7672662,7672664,7672666,7672668,7672670,7672672 UNSPK: P674171								
Acrylonitrile	89	100	56-161	11	30				
Batch number: E143231AA	Sample number(s): 7672661,7672663,7672665,7672667,7672669,7672671 UNSPK: P674167								
Vinyl Chloride	116	113	70-130	2	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>MAX</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: I143231AA	Sample number(s): 7672661, 7672663, 7672665, 7672667, 7672669, 7672671 UNSPK: P677645							
Acetone	127	107	57-163	17	30			
Benzene	105	100	87-126	5	30			
Bromochloromethane	107	101	82-125	6	30			
Bromodichloromethane	99	94	82-133	5	30			
Bromoform	83	80	60-138	4	30			
Bromomethane	95	95	66-130	1	30			
2-Butanone	121	100	56-160	19	30			
Carbon Disulfide	106	99	84-141	7	30			
Carbon Tetrachloride	108	103	81-148	5	30			
Chlorobenzene	102	98	78-133	4	30			
Chloroethane	98	95	70-139	3	30			
Chloroform	107	100	86-136	6	30			
Chloromethane	107	106	49-135	0	30			
1,2-Dibromo-3-chloropropane	104	86	53-163	18	30			
Dibromochloromethane	99	93	79-125	6	30			
1,2-Dibromoethane	109	105	84-127	4	30			
Dibromomethane	106	103	83-126	3	30			
trans-1,4-Dichloro-2-butene	97	79	11-172	19	30			
1,2-Dichlorobenzene	101	95	83-117	6	30			
1,3-Dichlorobenzene	97	92	79-132	6	30			
1,4-Dichlorobenzene	99	93	79-120	6	30			
1,1-Dichloroethane	104	98	81-126	6	30			
1,2-Dichloroethane	107	102	82-135	5	30			
1,1-Dichloroethene	111	106	86-132	5	30			
cis-1,2-Dichloroethene	107	103	82-129	4	30			
trans-1,2-Dichloroethene	110	105	88-127	5	30			
1,2-Dichloropropane	105	101	91-126	5	30			
cis-1,3-Dichloropropene	97	93	74-132	4	30			
trans-1,3-Dichloropropene	95	91	71-128	4	30			
Ethylbenzene	103	98	80-140	5	30			
2-Hexanone	112	110	51-149	3	30			
Methyl Iodide	108	103	71-137	5	30			
4-Methyl-2-pentanone	116	113	69-149	3	30			
Methylene Chloride	110	105	77-135	5	30			
Styrene	104	99	71-138	5	30			
1,1,1,2-Tetrachloroethane	103	98	87-126	5	30			
1,1,2,2-Tetrachloroethane	102	96	75-131	5	30			
Tetrachloroethene	121	116	75-129	4	30			
Toluene	103	98	83-127	5	30			
1,1,1-Trichloroethane	105	100	85-140	5	30			
1,1,2-Trichloroethane	109	104	85-129	5	30			
Trichloroethene	111	106	85-131	4	30			
Trichlorofluoromethane	114	113	73-139	1	30			
1,2,3-Trichloropropane	108	102	76-120	5	30			
Xylene (Total)	102	97	81-137	5	30			
Batch number: 14318WAI026	Sample number(s): 7672661, 7672663, 7672665 UNSPK: P672547							
1,1'-Biphenyl	91	93	73-114	3	30			
Dibenzofuran	92	92	71-116	1	30			
1,4-Dioxane	47*	47*	48-83	1	30			
Diphenyl ether	89	90	81-105	2	30			

*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
1,2-Diphenylhydrazine	100	100	67-129	2	30				
1-Methylnaphthalene	91	90	78-110	0	30				
Phenol	67	67	10-107	1	30				

Batch number: 14322WAA026	Sample number(s): 7672667,7672669 UNSPK: P674167								
Acenaphthene	126	121	69-134	6	30				
Acenaphthylene	104	101	66-132	6	30				
Anthracene	114	112	64-129	5	30				
Benzo(a)anthracene	110	109	37-135	4	30				
Benzo(a)pyrene	110	108	32-137	5	30				
Benzo(b)fluoranthene	114	114	41-137	3	30				
Benzo(g,h,i)perylene	106	102	21-127	7	30				
Benzo(k)fluoranthene	113	114	36-139	3	30				
Chrysene	114	113	51-129	4	30				
Dibenz(a,h)anthracene	110	105	17-134	8	30				
Fluoranthene	106	105	53-133	4	30				
Fluorene	113	110	59-137	5	30				
Indeno(1,2,3-cd)pyrene	108	103	26-130	8	30				
2-Methylnaphthalene	101	100	64-129	5	30				
Naphthalene	109	106	58-131	6	30				
Phenanthrene	108	107	66-126	5	30				
Pyrene	120	117	49-136	6	30				

Batch number: 14322WAB026	Sample number(s): 7672667,7672669 UNSPK: P674167								
1,1'-Biphenyl	88	85	73-114	11	30				
Dibenzofuran	90	87	71-116	11	30				
1,4-Dioxane	60	58	48-83	10	30				
Diphenyl ether	89	85	81-105	12	30				
1,2-Diphenylhydrazine	89	86	67-129	11	30				
1-Methylnaphthalene	88	85	78-110	11	30				
Phenol	46	48	10-107	1	30				

Batch number: 143220036A	Sample number(s): 7672661,7672663,7672665,7672667,7672669 UNSPK: P674167								
Diethylene glycol	70	77	52-122	8	20				
Ethylene glycol	72	75	54-123	5	20				
Propylene glycol	69	70	55-131	2	20				
Triethylene glycol	70	78	33-123	11	20				

Batch number: 143180636002	Sample number(s): 7672661,7672663,7672665,7672667,7672669 UNSPK: P674167 BKG: P674167								
Barium	102	101	75-125	1	20	0.0179	0.0180	1 (1)	20
Beryllium	100	98	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	100	99	75-125	1	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	103	101	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	100	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Nickel	104	103	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	100	101	75-125	1	20	0.0048 U	0.0048 U	0 (1)	20
Silver	107	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Vanadium	102	100	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	100	75-125	1	20	0.0020 U	0.0020 U	0 (1)	20

Batch number: 143185713010 Sample number(s): 7672661,7672663,7672665,7672667,7672669 UNSPK: P674167 BKG:

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Mercury	P674167 109	93	75-125	16	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143230639001A Sample number(s): 7672661,7672663,7672665,7672667,7672669 UNSPK: P677159 BKG: P677159									
Antimony	107	112	75-125	5	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	101	103	75-125	2	20	0.00083 J	0.00082 U	200* (1)	20
Cadmium	100	99	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	102	102	75-125	0	20	0.000098 J	0.000089 J	10 (1)	20
Thallium	93	104	75-125	9	20	0.00066 J	0.00064 J	3 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Acrylonitrile

Batch number: C143171AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7672662	98	86	87	89
7672664	97	101	98	85
7672666	106	99	98	86
7672668	106	105	96	99
7672670	91	104	87	88
7672672	103	102	97	89
Blank	100	100	95	98
LCS	101	102	98	102
LCSD	101	103	98	104
MS	101	101	100	98
MSD	100	101	114*	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride

Batch number: E143231AA

	Dibromofluoromethane
7672661	103
7672663	102
7672665	102
7672667	102
7672669	102
7672671	103
Blank	105
LCS	101
MS	104
MSD	103
Limits:	80-120

Analysis Name: BRE CAMU GW VOAs

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Surrogate Quality Control

Batch number: I143231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7672661	100	102	99	95
7672663	100	106	98	96
7672665	99	105	98	97
7672667	100	108	97	98
7672669	100	105	98	97
7672671	100	105	99	95
Blank	99	101	99	95
LCS	99	104	98	98
LCSD	99	104	99	98
MS	102	108	97	100
MSD	102	114*	98	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BRE CAMU GW SVOAs

Batch number: 14318WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7672661	28	44	63	80	84	88
7672663	31	41	74	77	84	89
7672665	42	59	72	73	76	79
Blank	31	47	86	86	81	90
LCS	42	57	92	95	88	90
MS	62	64	92	98	90	95
MSD	60	61	92	96	89	92
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds

Batch number: 14318WAJ026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7672661	107	106	92
7672663	114	105	94
7672665	117	118	100
Blank	112	125	103
LCS	114	130	104
LCSD	113	128	106
Limits:	56-134	36-156	59-132

Analysis Name: 17 PAH Compounds

Batch number: 14322WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7672667	94	86	92
7672669	83	94	80
Blank	104	119	95
LCS	106	126	107
MS	106	119	104
MSD	104	116	104
Limits:	56-134	36-156	59-132

Analysis Name: BRE CAMU GW SVOAs

Batch number: 14322WAB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7672667	54	72	91	86	84	80

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 10:42 AM

Group Number: 1518095

Surrogate Quality Control

7672669	32	50	94	89	88	101
Blank	35	52	91	87	86	95
LCS	45	63	105	95	94	103
MS	41	59	98	87	87	92
MSD	44	63	97	84	82	93
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143220036A
Tetramethylene glycol

7672661	58
7672663	64
7672665	69
7672667	64
7672669	58
Blank	76
LCS	76
MS	61
MSD	64
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

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- (2) The unspiked result was more than four times the spike added.

Client: DuPont

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Timestamp: 11/12/2014 17:30
 Number of Packages: 3 Number of Projects: 2
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	3
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2-HCl, 1-Unpreserved

Unpacked by Patrick Engle (3472) at 18:38 on 11/12/2014

Samples Chilled Details: ISM 2014

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.4	DT	Wet	Y	Loose	N
2	DT121	2.2	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

November 25, 2014

Project: BRE - CAMU GWM

Submission Date: 11/13/2014

Group Number: 1518404

PO Number: LBIO-67047

State of Sample Origin: NC

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
GW2H14-R87-S8 Groundwater	7674163
GW2H14-R87-S8-A Groundwater	7674164
GW2H14-R87-S9 Groundwater	7674165
GW2H14-R87-S9-A Groundwater	7674166
GW2H14-R87-S10 Groundwater	7674167
GW2H14-R87-S10 MS Groundwater	7674168
GW2H14-R87-S10 MSD Groundwater	7674169
GW2H14-R87-S10 Dupl Groundwater	7674170
GW2H14-R87-S10-A Groundwater	7674171
GW2H14-R87-S10-A MS Groundwater	7674172
GW2H14-R87-S10-A MSD Groundwater	7674173
GW2H14-R87-S10-D Groundwater	7674174
GW2H14-R87-S10-D-A Groundwater	7674175
GW2H14-MW-213 Groundwater	7674176
GW2H14-MW-213-A Groundwater	7674177
TB-111214 Blank Water	7674178
TB-111214-A Blank Water	7674179
EB-GW-111214 Blank Water	7674180
EB-GW-111214-A Blank Water	7674181
TB-111114 Blank Water	7674182
TB-111114-A Blank Water	7674183

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: **GW2H14-R87-S8 Groundwater**
GW2H14 CAMU

LL Sample # **WW 7674163**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 10:05 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.16		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S8 Groundwater
GW2H14 CAMU

LL Sample # WW 7674163
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 10:05 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05
Reported: 11/25/2014 15:50

R87S8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	2 J		1	5	1
10461	Diphenyl ether	101-84-8	5		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.053	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.053	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.053	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.053	1
12971	Naphthalene	91-20-3	0.032 U		0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032 U		0.032	0.063	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.053	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0597		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S8 Groundwater
GW2H14 CAMU

LL Sample # WW 7674163
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 10:05 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 14:16	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 15:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 15:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 14:16	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 20:44	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 19:51	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143280037A	11/24/2014 22:37	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S8 Groundwater
GW2H14 CAMU

LL Sample # WW 7674163
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 10:05 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:25	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:25	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:25	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:25	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:25	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:21	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! R87S8 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7674163
 Sample wt/vol: 237 (g/mL) mL Lab File ID: dk0491.d
 Level: (low/med) LOW Date Received: 11/13/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-R87-S8-A Groundwater
GW2H14 CAMU

LL Sample # WW 7674164
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 10:05 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87A8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 20:20	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 20:20	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: **GW2H14-R87-S9 Groundwater**
GW2H14 CAMU

LL Sample # **WW 7674165**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 08:53 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S9 Groundwater
GW2H14 CAMU

LL Sample # WW 7674165
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 08:53 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.055	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.055	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.055	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.055	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.055	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.055	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.055	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.055	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.055	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.055	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.055	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.055	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.055	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.055	1
12971	Naphthalene	91-20-3	0.033 U	0.033	0.066	1
12971	Phenanthrene	85-01-8	0.033 U	0.033	0.066	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.055	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l
	Rev 3			
12926	Diethylene glycol	111-46-6	8.0 U	8.0
12926	Ethylene glycol	107-21-1	8.0 U	8.0
12926	Propylene glycol	57-55-6	8.0 U	8.0
12926	Triethylene glycol	112-27-6	8.0 U	8.0

Metals	SW-846 6010C	mg/l	mg/l	mg/l
07046	Barium	7440-39-3	0.0452	0.00033
07047	Beryllium	7440-41-7	0.00067 U	0.00067
07051	Chromium	7440-47-3	0.0013 U	0.0013
07052	Cobalt	7440-48-4	0.0010 U	0.0010
07053	Copper	7440-50-8	0.0028 U	0.0028
07061	Nickel	7440-02-0	0.0016 U	0.0016
07036	Selenium	7782-49-2	0.0048 U	0.0048
07066	Silver	7440-22-4	0.0018 U	0.0018
07071	Vanadium	7440-62-2	0.0019 U	0.0019

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S9 Groundwater
GW2H14 CAMU

LL Sample # WW 7674165
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 08:53 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	0.0020	0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00062 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 14:38	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 15:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 15:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 14:38	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 21:13	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 20:19	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 20:31	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S9 Groundwater
GW2H14 CAMU

LL Sample # WW 7674165
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 08:53 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87S9

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:18	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 11:12	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 11:12	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 11:12	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 11:12	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 11:12	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:23	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! R87S9 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7674165
 Sample wt/vol: 228 (g/mL) mL Lab File ID: dk0492.d
 Level: (low/med) LOW Date Received: 11/13/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-R87-S9-A Groundwater
GW2H14 CAMU

LL Sample # WW 7674166
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 08:53 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

R87A9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 20:42	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 20:42	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Groundwater
GW2H14 CAMU

LL Sample # WW 7674167
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Groundwater
GW2H14 CAMU

LL Sample # WW 7674167
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.5 U		0.5	1	1
10461	Dibenzofuran	132-64-9	0.5 U		0.5	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	5	1
10461	Diphenyl ether	101-84-8	0.5 U		0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.5 U		0.5	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.5	1
10461	Phenol	108-95-2	0.5 U		0.5	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.010 U		0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010 U		0.010	0.051	1
12971	Anthracene	120-12-7	0.010 U		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010 U		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010 U		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010 U		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010 U		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010 U		0.010	0.051	1
12971	Chrysene	218-01-9	0.010 U		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010 U		0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010 U		0.010	0.051	1
12971	Fluorene	86-73-7	0.010 U		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010 U		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010 U		0.010	0.051	1
12971	Naphthalene	91-20-3	0.030 U		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030 U		0.030	0.061	1
12971	Pyrene	129-00-0	0.010 U		0.010	0.051	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0179		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Groundwater
GW2H14 CAMU

LL Sample # WW 7674167
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	0.0020	0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 12:30	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 11:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 11:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 12:30	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 18:21	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 17:33	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 22:00	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Groundwater
GW2H14 CAMU

LL Sample # WW 7674167
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:24	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:10	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:10	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:10	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:10	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:10	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 08:57	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 87S10 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7674167
 Sample wt/vol: 247 (g/mL) mL Lab File ID: dk0486.d
 Level: (low/med) LOW Date Received: 11/13/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-R87-S10 MS Groundwater
GW2H14 CAMU

LL Sample # WW 7674168
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	43	3.0	5.0	1
02898	Benzene	71-43-2	5.3	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.1	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	4.9	0.1	0.5	1
02898	2-Butanone	78-93-3	42	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.1	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.3	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.4	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	5.5	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.0	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	24	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	5.4	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.3	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.1	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.3	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.3	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.5	0.1	0.5	1
02898	2-Hexanone	591-78-6	28	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.1	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	29	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.4	0.2	0.5	1
02898	Styrene	100-42-5	5.5	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4	0.1	0.5	1
02898	Toluene	108-88-3	5.4	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.1	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.6	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	14	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.58	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MS Groundwater
GW2H14 CAMU

LL Sample # WW 7674168
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	50	0.6	1	1
10461	Dibenzofuran	132-64-9	51	0.6	1	1
10461	1,4-Dioxane	123-91-1	34	1	6	1
10461	Diphenyl ether	101-84-8	50	0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	50	0.6	1	1
10461	1-Methylnaphthalene	90-12-0	50	0.1	0.6	1
10461	Phenol	108-95-2	26	0.6	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.4	0.011	0.056	1
12971	Acenaphthylene	208-96-8	1.2	0.011	0.056	1
12971	Anthracene	120-12-7	1.3	0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	1.2	0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	1.3	0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	1.2	0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	1.3	0.011	0.056	1
12971	Chrysene	218-01-9	1.3	0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	1.2	0.011	0.056	1
12971	Fluoranthene	206-44-0	1.2	0.011	0.056	1
12971	Fluorene	86-73-7	1.3	0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.2	0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	1.1	0.011	0.056	1
12971	Naphthalene	91-20-3	1.2	0.033	0.067	1
12971	Phenanthrene	85-01-8	1.2	0.033	0.067	1
12971	Pyrene	129-00-0	1.3	0.011	0.056	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	150	8.0	10	1
12926	Ethylene glycol	107-21-1	150	8.0	10	1
12926	Propylene glycol	57-55-6	140	8.0	10	1
12926	Triethylene glycol	112-27-6	140	8.0	10	1
Metals		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.05	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0500	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.200	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.514	0.0010	0.0100	1
07053	Copper	7440-50-8	0.253	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.521	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.150	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0536	0.0018	0.0100	1
07071	Vanadium	7440-62-2	0.509	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0063	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0108	0.00082	0.0040	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MS Groundwater
GW2H14 CAMU

LL Sample # WW 7674168
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020A	mg/l	mg/l	mg/l	
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0157	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0011	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 12:52	Kerri E Legerlotz	1
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 13:34	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 11:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 11:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 12:52	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143251AA	11/21/2014 13:34	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 18:49	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 18:00	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 22:14	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MS Groundwater
GW2H14 CAMU

LL Sample # WW 7674168
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:35	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:18	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:18	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:18	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:18	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:18	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:02	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MSD Groundwater
GW2H14 CAMU

LL Sample # WW 7674169
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	42	3.0	5.0	1
02898	Benzene	71-43-2	5.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.0	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.2	0.1	0.5	1
02898	Bromoform	75-25-2	4.4	0.1	0.5	1
02898	Bromomethane	74-83-9	5.0	0.1	0.5	1
02898	2-Butanone	78-93-3	43	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	4.9	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.2	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.6	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.0	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.2	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.7	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.5	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	24	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	5.5	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.5	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.6	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.2	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.2	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.5	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.1	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.6	0.1	0.5	1
02898	2-Hexanone	591-78-6	29	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.0	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	30	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.2	0.2	0.5	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.3	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.7	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.0	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.9	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	14	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.57	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MSD Groundwater
GW2H14 CAMU

LL Sample # WW 7674169
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	45	0.5	1	1
10461	Dibenzofuran	132-64-9	46	0.5	1	1
10461	1,4-Dioxane	123-91-1	30	1	5	1
10461	Diphenyl ether	101-84-8	45	0.5	1	1
10461	1,2-Diphenylhydrazine	122-66-7	45	0.5	1	1
10461	1-Methylnaphthalene	90-12-0	45	0.1	0.5	1
10461	Phenol	108-95-2	25	0.5	1	1
GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	1.3	0.011	0.054	1
12971	Acenaphthylene	208-96-8	1.1	0.011	0.054	1
12971	Anthracene	120-12-7	1.2	0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	1.2	0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	1.2	0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	1.1	0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	1.2	0.011	0.054	1
12971	Chrysene	218-01-9	1.2	0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	1.1	0.011	0.054	1
12971	Fluoranthene	206-44-0	1.1	0.011	0.054	1
12971	Fluorene	86-73-7	1.2	0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	1.1	0.011	0.054	1
12971	Naphthalene	91-20-3	1.1	0.032	0.065	1
12971	Phenanthrene	85-01-8	1.2	0.032	0.065	1
12971	Pyrene	129-00-0	1.3	0.011	0.054	1
GC	Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
		Rev 3				
12926	Diethylene glycol	111-46-6	160	8.0	10	1
12926	Ethylene glycol	107-21-1	160	8.0	10	1
12926	Propylene glycol	57-55-6	150	8.0	10	1
12926	Triethylene glycol	112-27-6	160	8.0	10	1
Metals		SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.03	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0492	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.197	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.504	0.0010	0.0100	1
07053	Copper	7440-50-8	0.251	0.0028	0.0200	1
07061	Nickel	7440-02-0	0.515	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.152	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0531	0.0018	0.0100	1
07071	Vanadium	7440-62-2	0.501	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.502	0.0020	0.0400	1
		SW-846 6020A	mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0067	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0106	0.00082	0.0040	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MSD Groundwater
GW2H14 CAMU

LL Sample # WW 7674169
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6020A	mg/l	mg/l	mg/l	
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0159	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00093	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 13:13	Kerri E Legerlotz	1
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 13:55	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 12:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 12:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 13:13	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143251AA	11/21/2014 13:55	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 19:18	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 18:28	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 22:29	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 MSD Groundwater
GW2H14 CAMU

LL Sample # WW 7674169
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:39	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:20	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:20	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:20	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:20	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:20	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:04	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Dupl Groundwater
GW2H14 CAMU

LL Sample # WW 7674170
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals							
		SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0180		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200	1
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100	1
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U		0.0020	0.0400	1
SW-846 6020A							
			mg/l		mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U		0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U		0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U		0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U		0.00015	0.0010	1
SW-846 7470A							
			mg/l		mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U		0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10 Dupl Groundwater
GW2H14 CAMU

LL Sample # WW 7674170
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87S10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 00:31	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:15	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:15	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:15	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:15	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:15	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 08:59	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-A Groundwater
GW2H14 CAMU

LL Sample # WW 7674171
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87A10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 19:11	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 19:11	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-A MS Groundwater
GW2H14 CAMU

LL Sample # WW 7674172
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87A10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	22		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 19:34	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 19:34	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-A MSD Groundwater
GW2H14 CAMU

LL Sample # WW 7674173
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87A10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	25		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 19:57	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 19:57	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-D Groundwater
GW2H14 CAMU

LL Sample # WW 7674174
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87D10

CAT No.	Analysis Name	CAS Number	As Received Result	Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-D Groundwater
GW2H14 CAMU

LL Sample # WW 7674174
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87D10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,4-Dioxane	123-91-1	1 U		1	6	1
10461	Diphenyl ether	101-84-8	0.6 U		0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.6 U		0.6	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.6	1
10461	Phenol	108-95-2	0.6 U		0.6	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U		0.011	0.057	1
12971	Acenaphthylene	208-96-8	0.011 U		0.011	0.057	1
12971	Anthracene	120-12-7	0.011 U		0.011	0.057	1
12971	Benzo(a)anthracene	56-55-3	0.011 U		0.011	0.057	1
12971	Benzo(a)pyrene	50-32-8	0.011 U		0.011	0.057	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U		0.011	0.057	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U		0.011	0.057	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U		0.011	0.057	1
12971	Chrysene	218-01-9	0.011 U		0.011	0.057	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U		0.011	0.057	1
12971	Fluoranthene	206-44-0	0.011 U		0.011	0.057	1
12971	Fluorene	86-73-7	0.011 U		0.011	0.057	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U		0.011	0.057	1
12971	2-Methylnaphthalene	91-57-6	0.011 U		0.011	0.057	1
12971	Naphthalene	91-20-3	0.034 U		0.034	0.069	1
12971	Phenanthrene	85-01-8	0.034 U		0.034	0.069	1
12971	Pyrene	129-00-0	0.011 U		0.011	0.057	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0173		0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-D Groundwater
GW2H14 CAMU

LL Sample # WW 7674174
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87D10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 15:00	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 15:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 15:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 15:00	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 21:41	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 20:46	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 20:46	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-R87-S10-D Groundwater
GW2H14 CAMU

LL Sample # WW 7674174
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

87D10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:22	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:34	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:34	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:34	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:34	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:34	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:25	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! _____!
! 87D10 !
! _____!

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7674174
 Sample wt/vol: 218 (g/mL) mL Lab File ID: dk0493.d
 Level: (low/med) LOW Date Received: 11/13/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-R87-S10-D-A Groundwater
GW2H14 CAMU

LL Sample # WW 7674175
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

8710D

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 21:05	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 21:05	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: **GW2H14-MW-213 Groundwater**
GW2H14 CAMU

LL Sample # **WW 7674176**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 11:00 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

M-213

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	
	purge					
02898	Acetone	67-64-1	3.0 U	3.0	5.0	1
02898	Benzene	71-43-2	0.1 U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U	1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U	0.2	0.5	1
02898	Styrene	100-42-5	0.1 U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U	0.1	0.5	1
02898	Toluene	108-88-3	0.1 U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.16	0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-213 Groundwater
GW2H14 CAMU

LL Sample # WW 7674176
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

M-213

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l		ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U		0.6	1	1
10461	Dibenzofuran	132-64-9	0.6 U		0.6	1	1
10461	1,4-Dioxane	123-91-1	3 J		1	6	1
10461	Diphenyl ether	101-84-8	61		0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.6 U		0.6	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U		0.1	0.6	1
10461	Phenol	108-95-2	0.6 U		0.6	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l		ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.012 U		0.012	0.058	1
12971	Acenaphthylene	208-96-8	0.012 U		0.012	0.058	1
12971	Anthracene	120-12-7	0.012 U		0.012	0.058	1
12971	Benzo(a)anthracene	56-55-3	0.012 U		0.012	0.058	1
12971	Benzo(a)pyrene	50-32-8	0.012 U		0.012	0.058	1
12971	Benzo(b)fluoranthene	205-99-2	0.012 U		0.012	0.058	1
12971	Benzo(g,h,i)perylene	191-24-2	0.012 U		0.012	0.058	1
12971	Benzo(k)fluoranthene	207-08-9	0.012 U		0.012	0.058	1
12971	Chrysene	218-01-9	0.012 U		0.012	0.058	1
12971	Dibenz(a,h)anthracene	53-70-3	0.012 U		0.012	0.058	1
12971	Fluoranthene	206-44-0	0.012 U		0.012	0.058	1
12971	Fluorene	86-73-7	0.012 U		0.012	0.058	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.012 U		0.012	0.058	1
12971	2-Methylnaphthalene	91-57-6	0.012 U		0.012	0.058	1
12971	Naphthalene	91-20-3	0.035 U		0.035	0.069	1
12971	Phenanthrene	85-01-8	0.035 U		0.035	0.069	1
12971	Pyrene	129-00-0	0.012 U		0.012	0.058	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l		mg/l	mg/l	
	Rev 3					
12926	Diethylene glycol	111-46-6	8.0 U		8.0	10
12926	Ethylene glycol	107-21-1	8.0 U		8.0	10
12926	Propylene glycol	57-55-6	8.0 U		8.0	10
12926	Triethylene glycol	112-27-6	8.0 U		8.0	10

Metals	SW-846 6010C	mg/l		mg/l	mg/l	
07046	Barium	7440-39-3	0.0061 J		0.00033	0.0100
07047	Beryllium	7440-41-7	0.0012 J		0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U		0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U		0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U		0.0028	0.0200
07061	Nickel	7440-02-0	0.0016 U		0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U		0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U		0.0018	0.0100
07071	Vanadium	7440-62-2	0.0019 U		0.0019	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-213 Groundwater
GW2H14 CAMU

LL Sample # WW 7674176
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

M-213

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	mg/l 0.0020 U	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	mg/l 0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	mg/l 0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 15:21	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 16:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 16:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 15:21	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 22:10	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 21:14	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:01	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: GW2H14-MW-213 Groundwater
GW2H14 CAMU

LL Sample # WW 7674176
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

M-213

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:26	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:37	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:37	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:37	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:37	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:37	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143185713010	11/18/2014 09:27	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143185713010	11/17/2014 14:46	James L Mertz	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 7674176	SDG No.: _____
Sample wt/vol: 217 (g/mL) mL	Lab File ID: dk0494.d	
Level: (low/med) LOW	Date Received: 11/13/14	
% Moisture: _____	Date Extracted: 11/18/14	
Decanted: (Y/N) _____	Date Analyzed: 11/19/14	
Concentrated Extract Volume: 1000 (uL)	Dilution Factor: 1	
Injection Volume: 0.5 (uL)	Extraction: Sepf	
GPC Cleanup: N	pH: _____	

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: GW2H14-MW-213-A Groundwater
GW2H14 CAMU

LL Sample # WW 7674177
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

M213A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143181AA	11/14/2014 12:03	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143181AA	11/14/2014 12:03	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214 Blank Water
GW2H14 CAMU

LL Sample # WW 7674178
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BT-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l		
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l	ug/l	ug/l		
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214 Blank Water
GW2H14 CAMU

LL Sample # WW 7674178
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BT-12

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 11:26	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 12:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 12:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 11:26	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111214-A Blank Water
GW2H14 CAMU

LL Sample # WW 7674179
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:00 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BTA12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 21:51	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 21:51	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-GW-111214 Blank Water**
GW2H14 CAMU

LL Sample # **WW 7674180**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 11:40 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BE-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
	purge						
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-GW-111214 Blank Water**
GW2H14 CAMU

LL Sample # **WW 7674180**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 11:40 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BE-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270D	ug/l	ug/l	ug/l	
10461	1,1'-Biphenyl	92-52-4	0.6 U	0.6	1	1
10461	Dibenzofuran	132-64-9	0.6 U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1 U	1	6	1
10461	Diphenyl ether	101-84-8	0.6 U	0.6	1	1
10461	1,2-Diphenylhydrazine	122-66-7	0.6 U	0.6	1	1
10461	1-Methylnaphthalene	90-12-0	0.1 U	0.1	0.6	1
10461	Phenol	108-95-2	0.6 U	0.6	1	1

GC/MS	Semivolatiles	SW-846 8270D SIM	ug/l	ug/l	ug/l	
12971	Acenaphthene	83-32-9	0.011 U	0.011	0.055	1
12971	Acenaphthylene	208-96-8	0.011 U	0.011	0.055	1
12971	Anthracene	120-12-7	0.011 U	0.011	0.055	1
12971	Benzo(a)anthracene	56-55-3	0.011 U	0.011	0.055	1
12971	Benzo(a)pyrene	50-32-8	0.011 U	0.011	0.055	1
12971	Benzo(b)fluoranthene	205-99-2	0.011 U	0.011	0.055	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011 U	0.011	0.055	1
12971	Benzo(k)fluoranthene	207-08-9	0.011 U	0.011	0.055	1
12971	Chrysene	218-01-9	0.011 U	0.011	0.055	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011 U	0.011	0.055	1
12971	Fluoranthene	206-44-0	0.011 U	0.011	0.055	1
12971	Fluorene	86-73-7	0.011 U	0.011	0.055	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011 U	0.011	0.055	1
12971	2-Methylnaphthalene	91-57-6	0.011 U	0.011	0.055	1
12971	Naphthalene	91-20-3	0.033 U	0.033	0.066	1
12971	Phenanthrene	85-01-8	0.033 U	0.033	0.066	1
12971	Pyrene	129-00-0	0.011 U	0.011	0.055	1

11659 Targeted Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

GC Miscellaneous	SW-846 8015C Feb 2007	mg/l	mg/l	mg/l	
	Rev 3				
12926	Diethylene glycol	111-46-6	8.0 U	8.0	10
12926	Ethylene glycol	107-21-1	8.0 U	8.0	10
12926	Propylene glycol	57-55-6	8.0 U	8.0	10
12926	Triethylene glycol	112-27-6	8.0 U	8.0	10

Metals	SW-846 6010C	mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.00033 U	0.00033	0.0100
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100

*=This limit was used in the evaluation of the final result

Sample Description: **EB-GW-111214 Blank Water**
GW2H14 CAMU

LL Sample # **WW 7674180**
LL Group # **1518404**
Account # **06643**

Project Name: **BRE - CAMU GWM**

Collected: 11/12/2014 11:40 by **KT**

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BE-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
07072	Zinc	SW-846 6010C 7440-66-6	0.0020 U	mg/l 0.0020	mg/l 0.0400	1
Metals						
06024	Antimony	SW-846 6020A 7440-36-0	0.00033 U	mg/l 0.00033	mg/l 0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
00259	Mercury	SW-846 7470A 7439-97-6	0.000060 U	mg/l 0.000060	mg/l 0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 11:47	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 12:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 12:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 11:47	Kerri E Legerlotz	1
10461	BRE CAMU GW SVOAs	SW-846 8270D	1	14322WAB026	11/19/2014 22:39	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14322WAA026	11/24/2014 21:42	Mark A Clark	1
10466	BNA Water Extraction	SW-846 3510C	1	14322WAA026	11/18/2014 18:30	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAB026	11/18/2014 18:30	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:15	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: EB-GW-111214 Blank Water
GW2H14 CAMU

LL Sample # WW 7674180
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:40 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BE-12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143180636002	11/19/2014 01:30	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143180639002A	11/18/2014 10:57	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143180639002A	11/18/2014 10:57	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143180639002A	11/18/2014 10:57	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143180639002A	11/18/2014 10:57	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143180639002A	11/18/2014 10:57	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 10:41	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143180636002	11/17/2014 14:22	James L Mertz	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143180639002	11/17/2014 23:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1

*=This limit was used in the evaluation of the final result

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: _____
 Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: 7674180
 Sample wt/vol: 226 (g/mL) mL Lab File ID: dk0495.d
 Level: (low/med) LOW Date Received: 11/13/14
 % Moisture: Decanted: (Y/N) Date Extracted: 11/18/14
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/14
 Injection Volume: 0.5 (uL) Dilution Factor: 1
 GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2,5-Dimethyl furan		0	U
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Sample Description: EB-GW-111214-A Blank Water
GW2H14 CAMU

LL Sample # WW 7674181
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/12/2014 11:40 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BEA12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 21:28	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 21:28	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111114 Blank Water
GW2H14 CAMU

LL Sample # WW 7674182
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05
Reported: 11/25/2014 15:50

BT-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l		ug/l	ug/l	
		purge					
02898	Acetone	67-64-1	3.0 U		3.0	5.0	1
02898	Benzene	71-43-2	0.1 U		0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1 U		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1 U		0.1	0.5	1
02898	Bromoform	75-25-2	0.1 U		0.1	0.5	1
02898	Bromomethane	74-83-9	0.1 U		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0 U		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4 U		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1 U		0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1 U		0.1	0.5	1
02898	Chloroethane	75-00-3	0.1 U		0.1	0.5	1
02898	Chloroform	67-66-3	0.1 U		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2 U		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2 U		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1 U		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1 U		0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1 U		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0 U		1.0	5.0	1
02898	1,2-Dichlorobenzene	95-50-1	0.1 U		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	0.1 U		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1 U		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1 U		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1 U		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1 U		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1 U		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1 U		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1 U		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1 U		0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1 U		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0 U		1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1 U		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0 U		1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2 U		0.2	0.5	1
02898	Styrene	100-42-5	0.1 U		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1 U		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1 U		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1 U		0.1	0.5	1
02898	Toluene	108-88-3	0.1 U		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1 U		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1 U		0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1 U		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1 U		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3 U		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U		0.1	0.5	1
GC/MS	Volatiles	SW-846 8260B SIM	ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010 U		0.010	0.050	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111114 Blank Water
GW2H14 CAMU

LL Sample # WW 7674182
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BT-11

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	BRE CAMU GW VOAs	SW-846 8260B 25mL purge	1	I143251AA	11/21/2014 12:09	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143231AA	11/19/2014 13:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143231AA	11/19/2014 13:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 12:09	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Sample Description: TB-111114-A Blank Water
GW2H14 CAMU

LL Sample # WW 7674183
LL Group # 1518404
Account # 06643

Project Name: BRE - CAMU GWM

Collected: 11/11/2014 14:30 by KT

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

Submitted: 11/13/2014 09:05

Reported: 11/25/2014 15:50

BTA11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B 25mL	ug/l	ug/l	ug/l	ug/l	
02898	Acrylonitrile	107-13-1	1.0 U		1.0	5.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Acrylonitrile	SW-846 8260B 25mL	1	C143171AA	11/13/2014 18:49	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143171AA	11/13/2014 18:49	Kerri E Legerlotz	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: C143171AA	Sample number(s): 7674164,7674166,7674171-7674173,7674175,7674179,7674181,7674183								
Acrylonitrile	1.0 U	1.0	5.0	ug/l	89	85	64-141	4	30
Batch number: C143181AA	Sample number(s): 7674177								
Acrylonitrile	1.0 U	1.0	5.0	ug/l	105		64-141		
Batch number: E143231AA	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674178,7674180,7674182								
Vinyl Chloride	0.010 U	0.010	0.050	ug/l	123		70-130		
Batch number: I143251AA	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674178,7674180,7674182								
Acetone	3.0 U	3.0	5.0	ug/l	110		60-139		
Benzene	0.1 U	0.1	0.5	ug/l	101		80-120		
Bromochloromethane	0.1 U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1 U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1 U	0.1	0.5	ug/l	84		72-138		
Bromomethane	0.1 U	0.1	0.5	ug/l	92		62-126		
2-Butanone	1.0 U	1.0	5.0	ug/l	105		63-137		
Carbon Disulfide	0.4 U	0.4	1.0	ug/l	94		70-128		
Carbon Tetrachloride	0.1 U	0.1	0.5	ug/l	97		80-135		
Chlorobenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloroethane	0.1 U	0.1	0.5	ug/l	91		68-120		
Chloroform	0.1 U	0.1	0.5	ug/l	102		80-120		
Chloromethane	0.2 U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2 U	0.2	0.5	ug/l	90		64-141		
Dibromochloromethane	0.1 U	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	0.1 U	0.1	0.5	ug/l	107		80-120		
Dibromomethane	0.1 U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0 U	1.0	5.0	ug/l	89		14-166		
1,2-Dichlorobenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,3-Dichlorobenzene	0.1 U	0.1	0.5	ug/l	100		80-120		
1,4-Dichlorobenzene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1-Dichloroethane	0.1 U	0.1	0.5	ug/l	99		80-120		
1,2-Dichloroethane	0.1 U	0.1	0.5	ug/l	104		76-132		
1,1-Dichloroethene	0.1 U	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	101		80-120		
trans-1,2-Dichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
1,2-Dichloropropane	0.1 U	0.1	0.5	ug/l	102		80-120		
cis-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1 U	0.1	0.5	ug/l	96		80-120		
Ethylbenzene	0.1 U	0.1	0.5	ug/l	102		80-120		
2-Hexanone	1.0 U	1.0	5.0	ug/l	106		72-124		

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS/LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methyl Iodide	0.1 U	0.1	0.5	ug/l	99		80-129		
4-Methyl-2-pentanone	1.0 U	1.0	5.0	ug/l	109		71-123		
Methylene Chloride	0.2 U	0.2	0.5	ug/l	104		80-120		
Styrene	0.1 U	0.1	0.5	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	0.1 U	0.1	0.5	ug/l	103		80-120		
Tetrachloroethene	0.1 U	0.1	0.5	ug/l	98		80-120		
Toluene	0.1 U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1 U	0.1	0.5	ug/l	97		80-120		
1,1,2-Trichloroethane	0.1 U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1 U	0.1	0.5	ug/l	102		80-120		
Trichlorofluoromethane	0.1 U	0.1	0.5	ug/l	106		64-141		
1,2,3-Trichloropropane	0.3 U	0.3	1.0	ug/l	107		80-120		
Vinyl Acetate	0.2 U	0.2	0.5	ug/l	115		38-145		
Xylene (Total)	0.1 U	0.1	0.5	ug/l	101		80-120		

Batch number: 14322WAA026	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674180
Acenaphthene	0.010 U 0.010 0.050 ug/l 122 82-126
Acenaphthylene	0.010 U 0.010 0.050 ug/l 99 72-124
Anthracene	0.010 U 0.010 0.050 ug/l 110 83-125
Benzo(a)anthracene	0.010 U 0.010 0.050 ug/l 112 79-122
Benzo(a)pyrene	0.010 U 0.010 0.050 ug/l 116 72-126
Benzo(b)fluoranthene	0.010 U 0.010 0.050 ug/l 118 79-136
Benzo(g,h,i)perylene	0.010 U 0.010 0.050 ug/l 117 59-137
Benzo(k)fluoranthene	0.010 U 0.010 0.050 ug/l 119 72-129
Chrysene	0.010 U 0.010 0.050 ug/l 116 77-122
Dibenz(a,h)anthracene	0.010 U 0.010 0.050 ug/l 113 42-143
Fluoranthene	0.010 U 0.010 0.050 ug/l 105 76-121
Fluorene	0.010 U 0.010 0.050 ug/l 107 82-119
Indeno(1,2,3-cd)pyrene	0.010 U 0.010 0.050 ug/l 117 53-136
2-Methylnaphthalene	0.010 U 0.010 0.050 ug/l 100 68-124
Naphthalene	0.030 U 0.030 0.060 ug/l 104 78-117
Phenanthrene	0.030 U 0.030 0.060 ug/l 106 83-116
Pyrene	0.010 U 0.010 0.050 ug/l 116 70-124

Batch number: 14322WAB026	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674180
1,1'-Biphenyl	0.5 U 0.5 1 ug/l 97 56-134
Dibenzofuran	0.5 U 0.5 1 ug/l 99 81-110
1,4-Dioxane	1 U 1 5 ug/l 64 39-83
Diphenyl ether	0.5 U 0.5 1 ug/l 97 77-113
1,2-Diphenylhydrazine	0.5 U 0.5 1 ug/l 97 74-124
1-Methylnaphthalene	0.1 U 0.1 0.5 ug/l 96 79-111
Phenol	0.5 U 0.5 1 ug/l 50 25-80

Batch number: 143220036A	Sample number(s): 7674165,7674167-7674169,7674174,7674176,7674180
Diethylene glycol	8.0 U 8.0 10 mg/l 81 55-122
Ethylene glycol	8.0 U 8.0 10 mg/l 84 54-129
Propylene glycol	8.0 U 8.0 10 mg/l 83 57-137
Triethylene glycol	8.0 U 8.0 10 mg/l 79 46-118

Batch number: 143280037A	Sample number(s): 7674163
Diethylene glycol	8.0 U 8.0 10 mg/l 88 55-122
Ethylene glycol	8.0 U 8.0 10 mg/l 90 54-129
Propylene glycol	8.0 U 8.0 10 mg/l 87 57-137
Triethylene glycol	8.0 U 8.0 10 mg/l 87 46-118

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 143180636002	Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176,7674180								
Barium	0.00036 U	0.00033	0.0100	mg/l	102		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	99		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	99		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	102		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	101		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	104		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	107		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	100		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143180639002A	Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176,7674180								
Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	106		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	106		80-120		
Lead	0.000082 U	0.00008	0.0020	mg/l	106		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	110		80-120		
Batch number: 143185713010	Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176								
Mercury	0.000060 U	0.00006	0.00020	mg/l	87		80-120		
Batch number: 143235713005	Sample number(s): 7674180								
Mercury	0.000060 U	0.00006	0.00020	mg/l	89		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: C143171AA	Sample number(s): 7674164,7674166,7674171-7674173,7674175,7674179,7674181,7674183 UNSPK: 7674171								
Acrylonitrile	89	100	56-161	11	30				
Batch number: C143181AA	Sample number(s): 7674177 UNSPK: P664310								
Acrylonitrile	106	101	56-161	5	30				
Batch number: E143231AA	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674178,7674180,7674182 UNSPK: 7674167								
Vinyl Chloride	116	113	70-130	2	30				
Batch number: I143251AA	Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674178,7674180,7674182 UNSPK: 7674167								
Acetone	114	112	57-163	1	30				
Benzene	106	104	87-126	1	30				
Bromochloromethane	101	99	82-125	2	30				
Bromodichloromethane	102	103	82-133	1	30				
Bromoform	85	87	60-138	3	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Bromomethane	99	100	66-130	2	30				
2-Butanone	111	114	56-160	3	30				
Carbon Disulfide	102	99	84-141	4	30				
Carbon Tetrachloride	107	105	81-148	2	30				
Chlorobenzene	109	112	78-133	3	30				
Chloroethane	99	101	70-139	2	30				
Chloroform	107	108	86-136	1	30				
Chloromethane	110	112	49-135	2	30				
1,2-Dibromo-3-chloropropane	98	101	53-163	3	30				
Dibromochloromethane	101	104	79-125	4	30				
1,2-Dibromoethane	109	114	84-127	4	30				
Dibromomethane	106	110	83-126	3	30				
trans-1,4-Dichloro-2-butene	96	97	11-172	0	30				
1,2-Dichlorobenzene	107	111	83-117	3	30				
1,3-Dichlorobenzene	107	110	79-132	3	30				
1,4-Dichlorobenzene	108	111	79-120	3	30				
1,1-Dichloroethane	103	101	81-126	2	30				
1,2-Dichloroethane	107	107	82-135	0	30				
1,1-Dichloroethene	107	105	86-132	2	30				
cis-1,2-Dichloroethene	106	104	82-129	1	30				
trans-1,2-Dichloroethene	108	105	88-127	3	30				
1,2-Dichloropropane	108	109	91-126	1	30				
cis-1,3-Dichloropropene	98	101	74-132	3	30				
trans-1,3-Dichloropropene	98	102	71-128	5	30				
Ethylbenzene	109	113	80-140	3	30				
2-Hexanone	113	118	51-149	4	30				
Methyl Iodide	103	100	71-137	3	30				
4-Methyl-2-pentanone	115	121	69-149	5	30				
Methylene Chloride	107	104	77-135	4	30				
Styrene	110	112	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30				
1,1,2,2-Tetrachloroethane	110	114	75-131	3	30				
Tetrachloroethene	108	109	75-129	1	30				
Toluene	108	109	83-127	2	30				
1,1,1-Trichloroethane	105	105	85-140	0	30				
1,1,2-Trichloroethane	110	113	85-129	3	30				
Trichloroethene	110	111	85-131	1	30				
Trichlorofluoromethane	122	120	73-139	1	30				
1,2,3-Trichloropropane	113	118	76-120	4	30				
Vinyl Acetate	113	111	27-162	2	30				
Xylene (Total)	108	111	81-137	2	30				

Batch number: 14322WAA026

Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674180 UNSPK:
7674167

Acenaphthene	126	121	69-134	6	30				
Acenaphthylene	104	101	66-132	6	30				
Anthracene	114	112	64-129	5	30				
Benzo(a)anthracene	110	109	37-135	4	30				
Benzo(a)pyrene	110	108	32-137	5	30				
Benzo(b)fluoranthene	114	114	41-137	3	30				
Benzo(g,h,i)perylene	106	102	21-127	7	30				
Benzo(k)fluoranthene	113	114	36-139	3	30				

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Chrysene	114	113	51-129	4	30				
Dibenz(a,h)anthracene	110	105	17-134	8	30				
Fluoranthene	106	105	53-133	4	30				
Fluorene	113	110	59-137	5	30				
Indeno(1,2,3-cd)pyrene	108	103	26-130	8	30				
2-Methylnaphthalene	101	100	64-129	5	30				
Naphthalene	109	106	58-131	6	30				
Phenanthrene	108	107	66-126	5	30				
Pyrene	120	117	49-136	6	30				

Batch number: 14322WAB026 Sample number(s): 7674163,7674165,7674167-7674169,7674174,7674176,7674180 UNSPK: 7674167

1,1'-Biphenyl	88	85	73-114	11	30				
Dibenzofuran	90	87	71-116	11	30				
1,4-Dioxane	60	58	48-83	10	30				
Diphenyl ether	89	85	81-105	12	30				
1,2-Diphenylhydrazine	89	86	67-129	11	30				
1-Methylnaphthalene	88	85	78-110	11	30				
Phenol	46	48	10-107	1	30				

Batch number: 143220036A Sample number(s): 7674165,7674167-7674169,7674174,7674176,7674180 UNSPK: 7674167

Diethylene glycol	70	77	52-122	8	20				
Ethylene glycol	72	75	54-123	5	20				
Propylene glycol	69	70	55-131	2	20				
Triethylene glycol	70	78	33-123	11	20				

Batch number: 143280037A Sample number(s): 7674163 UNSPK: 7674163

Diethylene glycol	80	71	52-122	12	20				
Ethylene glycol	81	70	54-123	15	20				
Propylene glycol	76	65	55-131	16	20				
Triethylene glycol	79	73	33-123	8	20				

Batch number: 143180636002 Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176,7674180 UNSPK: 7674167 BKG: 7674167

Barium	102	101	75-125	1	20	0.0179	0.0180	1 (1)	20
Beryllium	100	98	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	100	99	75-125	1	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	103	101	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	100	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Nickel	104	103	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	100	101	75-125	1	20	0.0048 U	0.0048 U	0 (1)	20
Silver	107	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Vanadium	102	100	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	100	75-125	1	20	0.0020 U	0.0020 U	0 (1)	20

Batch number: 143180639002A Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176,7674180 UNSPK: 7674167 BKG: 7674167

Antimony	105	112	75-125	7	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	106	75-125	2	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	101	103	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	105	106	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	103	100	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 143185713010	Sample number(s): 7674163,7674165,7674167-7674170,7674174,7674176 UNSPK: 7674167 BKG: 7674167								
Mercury	109	93	75-125	16	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143235713005	Sample number(s): 7674180 UNSPK: P677159 BKG: P677159								
Mercury	74*	74*	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Acrylonitrile
Batch number: C143171AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7674164	118*	104	88	96
7674166	120*	117*	83	94
7674171	109	105	97	97
7674172	101	101	100	98
7674173	100	101	114*	100
7674175	103	114*	84	95
7674179	107	102	87	88
7674181	100	100	94	90
7674183	106	104	98	99
Blank	100	100	95	98
LCS	101	102	98	102
LCSD	101	103	98	104
MS	101	101	100	98
MSD	100	101	114*	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrylonitrile
Batch number: C143181AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7674177	107	102	93	96
Blank	109	103	92	95
LCS	96	108	94	96
MS	105	101	99	102
MSD	108	102	101	102
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143231AA

	Dibromofluoromethane
7674163	102
7674165	103
7674167	104

*- Outside of specification

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Surrogate Quality Control

7674168 104
7674169 103
7674174 103
7674176 103
7674178 103
7674180 104
7674182 104
Blank 105
LCS 101
MS 104
MSD 103

Limits: 80-120

Analysis Name: BRE CAMU GW VOAs

Batch number: I143251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7674163	100	103	99	96
7674165	100	106	99	95
7674167	101	104	99	95
7674168	100	103	99	99
7674169	100	100	100	99
7674174	100	105	99	95
7674176	101	103	99	95
7674178	99	105	99	95
7674180	101	107	98	96
7674182	101	106	98	96
Blank	100	103	99	97
LCS	100	103	100	98
MS	100	103	99	99
MSD	100	100	100	99

Limits: 77-114 74-113 77-110 78-110

Analysis Name: 17 PAH Compounds

Batch number: 14322WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7674163	100	86	99
7674165	96	91	95
7674167	107	112	107
7674168	106	119	104
7674169	104	116	104
7674174	98	104	98
7674176	88	92	83
7674180	86	97	83
Blank	104	119	95
LCS	106	126	107
MS	106	119	104
MSD	104	116	104

Limits: 56-134 36-156 59-132

Analysis Name: BRE CAMU GW SVOAs

Batch number: 14322WAB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7674163	33	37	74	80	78	65
7674165	32	47	83	81	79	76

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 11/25/14 at 03:50 PM

Group Number: 1518404

Surrogate Quality Control

7674167	31	46	86	88	86	79
7674168	41	59	98	87	87	92
7674169	44	63	97	84	82	93
7674174	31	49	85	78	78	87
7674176	43	48	84	83	83	91
7674180	32	51	84	80	79	93
Blank	35	52	91	87	86	95
LCS	45	63	105	95	94	103
MS	41	59	98	87	87	92
MSD	44	63	97	84	82	93
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds

Batch number: 143220036A

Tetramethylene glycol

7674165	57
7674167	66
7674168	61
7674169	64
7674174	71
7674176	56
7674180	59
Blank	76
LCS	76
MS	61
MSD	64
Limits:	54-136

Analysis Name: 4 Gylcol Compounds

Batch number: 143280037A

Tetramethylene glycol

7674163	59
Blank	58
LCS	77
MS	70
MSD	64
Limits:	54-136

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Lancaster Laboratories

Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only

Group No.: 1518404 Sample Nos.: 7674103-83

Acc't: 06643 SF: 86174 SCR No.: 163125 Cooler No.: C27688 **30448**

Cooler Temperature upon receipt: 1.0 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required										Comments: Metals: Ba, Be, Cr, Co, Cu, Ni, Se, Ag, V, Zn (6010C); Sb, As, Cd, Pb, Tl (6020A); Hg (7470A)						
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																		
1300 Staton Road		Release No.:																		
Cedar Mountain NC 28718		PO Number: LBIO-66380																		
Sampler(s): <u>K. Teague, W. Parker</u>												Condition upon receipt: <u>Intact</u>								
Project Name: GW2H14 CAMU																				
Sample Identification	Date Collected	Time Collected	Matrix	Containers			GC/MS Semivolatiles (8270D)	Glycols (8015C)	Metals	PAHs (8270D SIM)	2,5-Dimethylfuran (8270 targeted search)									
				Volume (ml)	Preserv	No.														
GW2H14-R87-S10	<u>11/11/14</u>	<u>1430</u>	WW	250	HNO3	1			X											
GW2H14-R87-S10	↓	↓	WW	250	None	2	X			X	X									
GW2H14-R87-S10	↓	↓	WW	40	None	2		X												
Turnaround Time Requested (please circle): <u>Standard</u> RUSH Number of days: <u>8</u>							Special Instructions:													
Bottles Relinquished by: <u>Abc M...</u>		Date: <u>11/5/14</u>	Time: <u>8:26</u>	Bottles Received by: <u>Kate Teague</u>		Date: <u>11/10/14</u>	Time: <u>1100</u>	 												
Bottles Relinquished by: <u>Kate Teague</u>		Date: <u>11/12/14</u>	Time: <u>1200</u>	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:													
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <u>Ben M...</u>		Date: <u>11/13/14</u>	Time: <u>905</u>													



Lancaster
Laboratories

Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1518404 Sample Nos.: 7674163-83
 Acct: 06643 SF: 86174 SCR No.: 163125 Cooler No.: C27688 **30450**
 Cooler Temperature upon receipt: 16 °C Container No.: 2

Facility Name: Brevard		Project Manager: Tracy Obvey		Analyses Required <table border="1"> <tr> <td>GC/MS Semivolatiles (8270D)</td> <td>Glycols (8015C)</td> <td>Metals</td> <td>PAHs (8270D SIM)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										GC/MS Semivolatiles (8270D)	Glycols (8015C)	Metals	PAHs (8270D SIM)																		Comments: Metals: Ba, Be, Cr, Co, Cu, Ni, Se, Ag, V, Zn (6010C); Sb, As, Cd, Pb, TI (6020A); Hg (7470A) <i>Intact</i> Condition upon receipt:	
GC/MS Semivolatiles (8270D)	Glycols (8015C)	Metals	PAHs (8270D SIM)																																	
Facility Contact: Chet Meinzer		Facility Contact Phone No.: 828-862-8379																																		
Facility Address: DuPont Brevard		Job No.: 9267-7720100C-WH06504681																																		
1300 Staton Road		Release No.:																																		
Cedar Mountain NC 28718		PO Number: LBIO-66380																																		
Sampler(s): <i>K. Teague, W. Parker</i>																																				
Project Name: GW2H14 CAMU																																				
Sample Identification				Containers			GC/MS Semivolatiles (8270D)	Glycols (8015C)	Metals	PAHs (8270D SIM)																										
	Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.																														
GW2H14- <i>R87-S10</i>	<i>11/11/14</i>	<i>1430</i>	WW	250	HNO3	1			X														MS													
GW2H14- <i>R87-S10</i>	↓	↓	WW	250	None	2	X			X													MS													
GW2H14- <i>R87-S10</i>	↓	↓	WW	40	None	2		X															MS													
GW2H14- <i>R87-S10</i>	↓	↓	WW	500	HNO3	1			X														MSD													
GW2H14- <i>R87-S10</i>	↓	↓	WW	250	None	2	X			X													MSD													
GW2H14- <i>R87-S10</i>	↓	↓	WW	40	None	2		X															MSD													
Turnaround Time Requested (please circle):		Standard		RUSH		Number of days: <u>8</u>		Special Instructions:																												
Bottles Relinquished by: <i>Lina Megashko</i>		Date: <i>11/5/14</i>	Time: <i>8:26</i>	Bottles Received by: <i>Xuan Fagne</i>		Date: <i>11/14/14</i>	Time: <i>1100</i>																													
Bottles Relinquished by: <i>Xuan Fagne</i>		Date: <i>11/12/14</i>	Time: <i>1200</i>	Bottles Received by:		Date:	Time:																													
Bottles Relinquished by:		Date:	Time:	Bottles Received by:		Date:	Time:																													
Bottles Relinquished by:		Date:	Time:	Bottles Received by: <i>Buy Sh</i>		Date: <i>11/13/14</i>	Time: <i>405</i>																													

Client: Dupont

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 11/13/2014 9:05
 Number of Packages: 2 Number of Projects: 1
 State/Province of Origin: NC

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	9
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 6-HCL 3-unpres

Unpacked by Brandy Barclay (2299) at 10:30 on 11/13/2014

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	0.3	DT	Wet	Y	Loose	N
2	8013596-IR	1.6	IR	Wet	Y	Loose	N

General Comments: GW2H14-R87-S10 metals bottle = 500ml plastic
 EB- ID's were rubbered off labels

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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APPENDIX F
HISTORICAL GROUNDWATER, SOIL, AND SURFACE
WATER SAMPLING DETECTIONS

Summary of Analytical Results - 2014 Discrete Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6	MA-SS-7	SWMU13-SS-1	
			Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	
			Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014	12/02/2014	12/11/2014	
			Start Depth - End Depth										
			Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,1,1-Trichloroethane	71-55-6	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,1,2-Trichloroethane	79-00-5	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,1-Dichloroethane	75-34-3	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,1-Dichloroethene	75-35-4	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010 J	0.0190	<0.00090	
1,2,3-Trichloropropane	96-18-4	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
1,2-Dibromoethane (EDB)	106-93-4	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,2-Dichlorobenzene	95-50-1	MG/KG	<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
1,2-Dichloroethane	107-06-2	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,2-Dichloropropane	78-87-5	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
1,3-Dichlorobenzene	541-73-1	MG/KG	<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
1,4-Dichlorobenzene	106-46-7	MG/KG	<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
2-Hexanone	591-78-6	MG/KG	<0.0040	<0.0030	<0.0030	<0.0040	<0.0030	<0.0040	<0.0030	<0.0030	<0.0040	<0.0030	
Acetone	67-64-1	MG/KG	0.0100 J	0.0370	0.0390	0.0260	0.0280	0.0260	0.0470	0.0520	0.0520	0.0520	
Acetonitrile	75-05-8	MG/KG	<0.0290	<0.0280	<0.0290	<0.0300	<0.0270	<0.0310	<0.0250	<0.0320	<0.0320	<0.0230	
Acrolein	107-02-8	MG/KG	<0.0230	<0.0220	<0.0230	<0.0240	<0.0210	<0.0250	<0.0200	<0.0250	<0.0250	<0.0190	
Acrylonitrile	107-13-1	MG/KG	<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	
Allyl Chloride	107-05-1	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Benzene	71-43-2	MG/KG	<0.00060	<0.00060	<0.00060	<0.00060	<0.00050	<0.00060	<0.00050	<0.00060	<0.00060	<0.00050	
Bromodichloromethane	75-27-4	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Bromoform	75-25-2	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Carbon Disulfide	75-15-0	MG/KG	0.0040 J	0.0010 J	<0.0010	0.0010 J	<0.0010	0.0040 J	<0.0010	0.0050 J	<0.0010	<0.00090	
Carbon Tetrachloride	56-23-5	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Chlorobenzene	108-90-7	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Chlorodibromomethane	124-48-1	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Chloroform	67-66-3	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Chloroprene	126-99-8	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
cis-1,2 Dichloroethene	156-59-2	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
cis-1,3-Dichloropropene	10061-01-5	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Dichlorodifluoromethane	75-71-8	MG/KG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Ethyl Chloride	75-00-3	MG/KG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Ethyl Methacrylate	97-63-2	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Ethylbenzene	100-41-4	MG/KG	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Iodomethane	74-88-4	MG/KG	<0.0040	<0.0030	<0.0030	<0.0040	<0.0030	<0.0040	<0.0030	<0.0040	<0.0040	<0.0030	
Isobutyl Alcohol	78-83-1	MG/KG	<0.1200	<0.1100	<0.1200	<0.1200	<0.1100	<0.1200	<0.0990	<0.1300	<0.1300	<0.0930	
Methacrylonitrile	126-98-7	MG/KG	<0.0060	<0.0060	<0.0060	<0.0060	<0.0050	<0.0060	<0.0050	<0.0060	<0.0060	<0.0050	
Methyl Bromide	74-83-9	MG/KG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Methyl Chloride	74-87-3	MG/KG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Methyl Ethyl Ketone	78-93-3	MG/KG	<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	

Summary of Analytical Results - 2014 Discrete Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6	MA-SS-7	SWMU13-SS-1	
			Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	
			Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014	12/02/2014	12/02/2014	12/11/2014
			Start Depth - End Depth										
			Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0040	<0.0030	<0.0030	<0.0040	<0.0030	<0.0040	<0.0030	<0.0040	<0.0030	
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Propionitrile	107-12-0	MG/KG		<0.0350	<0.0330	<0.0350	<0.0360	<0.0320	<0.0370	<0.0300	<0.0380	<0.0280	
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0120	<0.0110	<0.0120	<0.0120	<0.0110	<0.0120	<0.0100	<0.0130	<0.0090	
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	0.0020 J	0.0030 J	<0.0020	0.0250	<0.0020	
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.5800	<0.5800	<0.1100	<0.5900	<0.1100	<0.1200	<0.1200	<0.1100	
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9400	<4.9000 R	<4.9000	<0.9500	<4.9000	<0.9600	<0.9600	<0.9700	<0.9500	
1-Naphthylamine	134-32-7	MG/KG		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0190	<0.0970	0.1500 J	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3400	<1.8000 R	<1.7000	<0.3400	<1.8000	<0.3400	<0.3500	<0.3500	<0.3400	
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0410	<0.0410	<0.0080	<0.0410	<0.0080	<0.0080	<0.0080	<0.0080	
2-Chlorophenol	95-57-8	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2-Methylnaphthalene	91-57-6	MG/KG		0.0080 J	0.5500 J	3.2000 J	0.0050 J	0.7500	0.0860	<0.0040	0.0950	<0.0040	
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0250 J	<0.0190	<0.0190	<0.0190	
2-Naphthylamine	91-59-8	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
2-Nitroaniline	88-74-4	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
2-Nitrophenol	88-75-5	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	

Summary of Analytical Results - 2014 Discrete Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6	MA-SS-7	SWMU13-SS-1	
			Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	
			Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014	12/02/2014	12/11/2014	
			Start Depth - End Depth										
			Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1100	<0.5800	<0.5800	<0.1100	<0.5900	<0.1100	<0.1200	<0.1200	<0.1100	
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.5800	<0.5800	<0.1100	<0.5900	<0.1100	<0.1200	<0.1200	<0.1100	
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.5600	<2.9000 R	<2.9000	<0.5700	<2.9000	<0.5700	<0.5800	<0.5800	<0.5700	
3-Methylcholanthrene	56-49-5	MG/KG		<0.0190	0.2800	0.3200	<0.0190	0.3200	0.0820	<0.0190	0.0200 J	<0.0190	
3-Nitroaniline	99-09-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
4-Aminobiphenyl	92-67-1	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
4-Chloroaniline	106-47-8	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0190	<0.0970	0.3100	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
4-Nitroaniline	100-01-6	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
4-Nitrophenol	100-02-7	MG/KG		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3800	<1.9000 R	<1.9000	<0.3800	<2.0000	<0.3800	<0.3800	<0.3900	<0.3800	
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Acenaphthene	83-32-9	MG/KG		0.0520	2.5000 J	4.9000 J	0.0380	4.0000	0.6000	<0.0040	0.3100	0.0070 J	
Acenaphthylene	208-96-8	MG/KG		0.0150 J	1.5000 J	1.1000	0.0120 J	0.3700	0.0930	<0.0040	0.2000	0.0120 J	
Acetophenone	98-86-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	0.0350 J	<0.0190	0.0260 J	<0.0190	
Aniline	62-53-3	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
Anthracene	120-12-7	MG/KG		0.1500	9.1000	12.0000	0.1100	8.8000	1.5000	0.0060 J	0.9200	0.0170 J	
Benzo(A)Anthracene	56-55-3	MG/KG		0.5100	22.0000	32.0000	0.4200	19.0000	5.1000	0.0280	1.7000	0.0900	
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.6600	22.0000	32.0000	0.5300	20.0000	6.3000	0.0490	2.0000	0.1300	
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.3800	11.0000	11.0000	0.3000	7.9000	2.9000	0.0190 J	0.9500	0.0640	
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.2500	9.0000	9.5000	0.2200	6.4000	1.8000	0.0100 J	0.7300	0.0480	
Benzo[A]Pyrene	50-32-8	MG/KG		0.4900	17.0000	18.0000	0.3900	14.0000	4.0000	0.0320	1.5000	0.0940	
Benzyl Alcohol	100-51-6	MG/KG		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	0.4200 J	<0.1900	<0.1900	<0.1900	
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0750	0.5000 J	<0.3900	<0.0760	<0.3900	0.4800	<0.0770	<0.0770	<0.0760	
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	0.1600 J	<0.0770	<0.0770	<0.0760	
Chlorobenzilate	510-15-6	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Chrysene	218-01-9	MG/KG		0.4700	19.0000	20.0000	0.3900	17.0000	4.4000	0.0260	1.5000	0.0950	
Diallate	2303-16-4	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.0990	3.1000 J	3.5000	0.0600	3.0000	0.8400	0.0080 J	0.2800	0.0150 J	
Dibenzofuran	132-64-9	MG/KG		0.0280 J	1.2000 J	4.6000 J	<0.0190	2.2000	0.2800	<0.0190	0.2600	<0.0190	
Diethyl Phthalate	84-66-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Dimethyl Phthalate	131-11-3	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	

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Analyte	CAS No.	Units	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6	MA-SS-7	SWMU13-SS-1	
			Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	
			Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014	12/02/2014	12/02/2014	12/11/2014
			Start Depth - End Depth										
			Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Fluoranthene	206-44-0	MG/KG		1.0000	58.0000	71.0000	0.7800	48.0000	9.6000	0.0400	3.7000	0.1600	
Fluorene	86-73-7	MG/KG		0.0580	4.1000 J	8.6000 J	0.0390	4.4000	0.5800	<0.0040	0.5300	0.0090 J	
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0190	<0.0190	<0.0040	<0.0200	<0.0040	<0.0040	<0.0040	<0.0040	
Hexachlorobutadiene	87-68-3	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1900	<0.9700 R	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	
Hexachloroethane	67-72-1	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.5800 R	<0.5800	<0.1100	<0.5900	<0.1100	<0.1200	<0.1200	<0.1100	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.3300	10.0000	11.0000	0.2500	8.1000	2.8000	0.0230	0.9300	0.0590	
Isodrin	465-73-6	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Isophorone	78-59-1	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Isosafrole	120-58-1	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Methapyrilene	91-80-5	MG/KG		<1.9000	<9.7000 R	<9.7000	<1.9000	<9.8000	<1.9000	<1.9000	<1.9000	<1.9000	
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Naphthalene	91-20-3	MG/KG		0.0170 J	0.6400 J	7.3000 J	0.0070 J	1.2000	0.2000	<0.0040	0.1900	0.0040 J	
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Nitrobenzene	98-95-3	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
O-Toluidine	95-53-4	MG/KG		<0.2300	<1.2000 R	<1.2000	<0.2300	<1.2000	<0.2300	<0.2300	<0.2300	<0.2300	
para-Phenylenediamine	106-50-3	MG/KG		<13.0000	<68.0000	<68.0000	<13.0000	<68.0000	<13.0000	<13.0000	<14.0000	<13.0000	
Pentachlorobenzene	608-93-5	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	<0.0190	
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Pentachlorophenol	87-86-5	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Phenacetin	62-44-2	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Phenanthrene	85-01-8	MG/KG		0.6200	36.0000	56.0000	0.4200	36.0000	5.5000	0.0180 J	3.2000	0.0730	
Phenol	108-95-2	MG/KG		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190	<0.0190	0.0240 J	
Pronamide	23950-58-5	MG/KG		<0.0380	<0.1900	<0.1900	<0.0380	<0.2000	<0.0380	<0.0380	<0.0390	<0.0380	
Pyrene	129-00-0	MG/KG		0.8200	41.0000	48.0000	0.6500	23.0000	7.2000	0.0340	2.8000	0.1300	
Pyridine	110-86-1	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Safrole	94-59-7	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0750	<0.3900 UJ	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Thionazin	297-97-2	MG/KG		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	<0.0760	<0.0770	<0.0770	<0.0760	
Dimethoate	60-51-5	MG/KG		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	<0.1900	<0.1900	<0.1900	<0.1900	

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Analyte	CAS No.	Units	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6	MA-SS-7	SWMU13-SS-1	
			Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	
			Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014	12/02/2014	12/02/2014	12/11/2014
			Start Depth - End Depth										
			Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>													
PCB 1016	12674-11-2	MG/KG		<0.00400	<0.00420	<0.0210	<0.00410	<0.00420	<0.0210	<0.00410	<0.00410		
PCB 1221	11104-28-2	MG/KG		<0.00510	<0.00530	<0.0270	<0.00530	<0.00540	<0.0260	<0.00520	<0.00530		
PCB 1232	11141-16-5	MG/KG		<0.00900	<0.00930	<0.0470	<0.00910	<0.00940	<0.0460	<0.00910	<0.00920		
PCB 1242	53469-21-9	MG/KG		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	<0.0190	<0.00380	<0.00380		
PCB 1248	12672-29-6	MG/KG		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	0.7000	<0.00380	<0.00380		
PCB 1254	11097-69-1	MG/KG		0.0170 J	0.2400 J	0.1900 J	0.0120 J	0.0820	0.4300	<0.00380	0.0540		
PCB 1260	11096-82-5	MG/KG		0.00860 J	<0.00570	<0.0290	<0.00560	0.0220	0.1400	<0.00560	0.0280		
<i>Dowtherm</i>													
Biphenyl	92-52-4	MG/KG		0.1100	0.4300 J	0.9800 J	<0.0190	0.3300	0.8800	<0.0190	0.0350 J	<0.0190	
Diphenyl Ether	101-84-8	MG/KG		0.4800	0.5000	0.4100	0.0570	0.3000	3.8000	<0.0190	<0.0190	<0.0190	
<i>Glycols</i>													
Ethylene Glycol	107-21-1	MG/KG		<5.6000	<5.8000	<5.8000	<5.7000	<5.9000	<5.8000	<5.8000	<5.8000	<5.8000	
Diethylene Glycol	111-46-6	MG/KG		<5.6000	<5.8000	<5.8000	<5.7000	<5.9000	<5.8000	<5.8000	<5.8000	<5.8000	
Propylene Glycol	57-55-6	MG/KG		<5.6000	<5.8000	<5.8000	<5.7000	<5.9000	<5.8000	<5.8000	<5.8000	<5.8000	
Triethylene Glycol	112-27-6	MG/KG		<5.6000	<5.8000	<5.8000	<5.7000	<5.9000	<5.8000	<5.8000	<5.8000	<5.8000	
<i>Inorganics</i>													
Antimony	7440-36-0	MG/KG		0.393 J	0.859	0.619 J	1.52	0.491	5.83	0.148 J	0.171 J	<0.0958 UJ	
Arsenic	7440-38-2	MG/KG		1.31 J	2.95 J	2.84	5.48 J	3.10 J	2.64 J	2.42 J	2.09 J	1.39	
Barium	7440-39-3	MG/KG		104	48.3	55.7	107	49.9	68.2	51.3	45.3	29.5	
Beryllium	7440-41-7	MG/KG		0.902 J	1.14 J	1.26	1.00 J	1.26	1.28	1.29	1.29	0.921 J	
Cadmium	7440-43-9	MG/KG		0.0891 J	0.395 J	0.302 J	0.252 J	0.483 J	0.747 J	<0.0373	0.0994 J	0.0919 J	
Chromium	7440-47-3	MG/KG		6.27	12.3	11.8	9.71	8.28	14.2	4.13	4.50	3.63	
Cobalt	7440-48-4	MG/KG		2.46	2.99	3.24	4.04	3.06	3.70	5.07	3.51	1.95	
Copper	7440-50-8	MG/KG		8.26 J	14.1 J	13.8	18.8 J	9.88 J	30.8 J	6.22 J	21.3 J	3.96	
Lead	7439-92-1	MG/KG		19.1 J	16.7 J	16.6	15.0 J	16.4 J	34.2 J	11.6 J	12.6 J	8.89 J	
Mercury	7439-97-6	MG/KG		0.0146 J	0.0607 J	0.0491 J	0.0239 J	0.0600 J	0.0541 J	0.0137 J	0.0350 J	0.0277 J	
Nickel	7440-02-0	MG/KG		23.5	9.89	8.26	9.65	5.66	6.21	5.37	2.98	12.8	
Selenium	7782-49-2	MG/KG		0.251 J	0.586 J	0.501 J	0.715 J	0.594 J	0.424 J	0.691 J	0.534 J	0.275 J	
Silver	7440-22-4	MG/KG		0.536 J	36.5	34.5	5.47	21.7	6.57	<0.215	7.47	<0.216	
Thallium	7440-28-0	MG/KG		0.336 J	0.350 J	0.320	0.488 J	0.372 J	0.341 J	0.638 J	0.407 J	0.156 J	
Tin	7440-31-5	MG/KG		3.11 B	3.03 B	3.71 B	3.43 B	3.52 B	4.50 B	2.94 B	3.13 B	2.78 B	
Vanadium	7440-62-2	MG/KG		9.07	17.5	19.4	28.1	20.5	16.8	18.9	13.8	9.59	
Zinc	7440-66-6	MG/KG		50.3 J	175 J	182 J	101 J	112 J	236 J	48.7 J	72.6 J	20.4	
Percent Moisture	EVS0198	%		11.5	14.4	14.4	12.8	15.4	13.4	13.2	13.8	13.6	

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
			Field Sample ID	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	0.0250
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0570	0.1000	0.0770	0.0600	0.0350	0.0390	0.0280
Acetonitrile	75-05-8	MG/KG		<0.0260	<0.0310	<0.0240	<0.0230	<0.0260	<0.0250	<0.0280
Acrolein	107-02-8	MG/KG		<0.0210	<0.0250	<0.0190	<0.0180	<0.0210	<0.0200	<0.0230
Acrylonitrile	107-13-1	MG/KG		<0.0040	<0.0050	<0.0040	<0.0040	<0.0040	<0.0040	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<0.00060	<0.00050	<0.00050	<0.00050	<0.00050	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	0.0010 J	0.00090 J	0.0010 J	<0.0010	0.0020 J
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	0.0020 J
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1000	<0.1200	<0.0940	<0.0900	<0.1000	<0.0980	<0.1100
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<0.0060	<0.0050	<0.0050	<0.0050	<0.0050	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<0.0050	0.0040 J	<0.0040	<0.0040	<0.0040	<0.0050

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
			Field Sample ID	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	0.0050 J	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0310	<0.0370	<0.0280	<0.0270	<0.0310	<0.0300	<0.0340
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	0.0040 J
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	0.0020 J
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0100	<0.0120	<0.0090	<0.0090	<0.0100	<0.0100	<0.0110
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	0.0130
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.00090	<0.00090	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1200	<0.1100	<0.1100	<0.1200	<0.1200	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<1.0000	<0.9900	<0.9600	<0.9600	<0.9700	<0.9800	<0.9500
1-Naphthylamine	134-32-7	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3700	<0.3600	<0.3400	<0.3400	<0.3500	<0.3500	<0.3400
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
2-Chloronaphthalene	91-58-7	MG/KG		<0.0090	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
2-Chlorophenol	95-57-8	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG		0.0230	0.0330	<0.0040	<0.0040	<0.0040	<0.0040	0.0040 J
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Naphthylamine	91-59-8	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
2-Nitroaniline	88-74-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
2-Nitrophenol	88-75-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
			Field Sample ID	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1200	<0.1200	<0.1100	<0.1100	<0.1200	<0.1200	<0.1100
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1200	<0.1200	<0.1100	<0.1100	<0.1200	<0.1200	<0.1100
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.6100	<0.5900	<0.5700	<0.5700	<0.5800	<0.5900	<0.5700
3-Methylcholanthrene	56-49-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
3-Nitroaniline	99-09-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Chloroaniline	106-47-8	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
4-Nitroaniline	100-01-6	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
4-Nitrophenol	100-02-7	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4100	<0.4000	<0.3800	<0.3800	<0.3900	<0.3900	<0.3800
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Acenaphthene	83-32-9	MG/KG		0.2400	0.2100	<0.0040	<0.0040	<0.0040	<0.0040	0.0530
Acenaphthylene	208-96-8	MG/KG		0.0230	0.0360	0.0040 J	<0.0040	<0.0040	<0.0040	0.0120 J
Acetophenone	98-86-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Aniline	62-53-3	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
Anthracene	120-12-7	MG/KG		0.5700	0.5000	<0.0040	<0.0040	<0.0040	<0.0040	0.1400
Benzo(A)Anthracene	56-55-3	MG/KG		2.5000	1.8000	0.0160 J	0.0120 J	0.0100 J	0.0140 J	0.8200
Benzo(B)Fluoranthene	205-99-2	MG/KG		3.0000	2.2000	0.0320	0.0230	0.0220	0.0340	1.3000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		1.5000	1.1000	0.0140 J	0.0150 J	0.0150 J	0.0200	0.6400
Benzo(K)Fluoranthene	207-08-9	MG/KG		1.4000	0.8900	0.0120 J	0.0120 J	0.0110 J	0.0120 J	0.4300
Benzo[A]Pyrene	50-32-8	MG/KG		2.3000	1.6000	0.0240	0.0180 J	0.0190 J	0.0210	0.8600
Benzyl Alcohol	100-51-6	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Chlorobenzilate	510-15-6	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Chrysene	218-01-9	MG/KG		2.4000	1.7000	0.0160 J	0.0120 J	0.0100 J	0.0150 J	0.9000
Diallate	2303-16-4	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.4700	0.2700	0.0070 J	0.0060 J	0.0050 J	0.0070 J	0.1500
Dibenzofuran	132-64-9	MG/KG		0.0850	0.0940	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Diethyl Phthalate	84-66-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Dimethyl Phthalate	131-11-3	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
			Field Sample ID	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Fluoranthene	206-44-0	MG/KG		4.4000	3.6000	0.0140 J	0.0100 J	0.0080 J	0.0180 J	1.6000
Fluorene	86-73-7	MG/KG		0.2600	0.2400	<0.0040	<0.0040	<0.0040	<0.0040	0.0510
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900
Hexachloroethane	67-72-1	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1200	<0.1100	<0.1100	<0.1200	<0.1200	<0.1100
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		1.5000	1.0000	0.0130 J	0.0150 J	0.0130 J	0.0200	0.6100
Isodrin	465-73-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Isophorone	78-59-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Isosafrole	120-58-1	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Methapyrilene	91-80-5	MG/KG		<2.0000	<2.0000	<1.9000	<1.9000	<1.9000	<2.0000	<1.9000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Naphthalene	91-20-3	MG/KG		0.0430	0.0740	<0.0040	<0.0040	<0.0040	<0.0040	0.0090 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Nitrobenzene	98-95-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
O-Toluidine	95-53-4	MG/KG		<0.2400	<0.2400	<0.2300	<0.2300	<0.2300	<0.2300	<0.2300
para-Phenylenediamine	106-50-3	MG/KG		<14.0000	<14.0000	<13.0000	<13.0000	<14.0000	<14.0000	<13.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Pentachlorophenol	87-86-5	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Phenacetin	62-44-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Phenanthrene	85-01-8	MG/KG		2.6000	2.2000	0.0050 J	<0.0040	0.0040 J	0.0070 J	0.6800
Phenol	108-95-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0200	<0.0190
Pronamide	23950-58-5	MG/KG		<0.0410	<0.0400	<0.0380	<0.0380	<0.0390	<0.0390	<0.0380
Pyrene	129-00-0	MG/KG		3.8000	2.7000	0.0140 J	0.0090 J	0.0080 J	0.0170 J	1.3000
Pyridine	110-86-1	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Safrole	94-59-7	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Thionazin	297-97-2	MG/KG		<0.0810	<0.0790	<0.0760	<0.0770	<0.0780	<0.0780	<0.0760
Dimethoate	60-51-5	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.1900	<0.2000	<0.1900

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6
			Field Sample ID	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0200	0.0740
Diphenyl Ether	101-84-8	MG/KG	<0.0200	<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0200	0.1100
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<6.1000	<6.0000	<5.8000	<5.7000	<5.9000	<5.9000	<5.9000	<5.7000
Diethylene Glycol	111-46-6	MG/KG	<6.1000	<6.0000	<5.8000	<5.7000	<5.9000	<5.9000	<5.9000	<5.7000
Propylene Glycol	57-55-6	MG/KG	<6.1000	<6.0000	<5.8000	<5.7000	<5.9000	<5.9000	<5.9000	<5.7000
Triethylene Glycol	112-27-6	MG/KG	<6.1000	<6.0000	<5.8000	<5.7000	<5.9000	<5.9000	<5.9000	<5.7000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	0.191 J	<0.100 UJ	<0.0975 UJ	<0.0942 UJ	0.110 J	<0.0969 UJ	0.306 J	
Arsenic	7440-38-2	MG/KG	4.90 J	2.69	2.85	2.77	2.60	2.49	1.60	
Barium	7440-39-3	MG/KG	30.1	85.4	18.4	17.2	24.5	29.3	40.5	
Beryllium	7440-41-7	MG/KG	0.745 J	1.12 J	0.547 J	0.510 J	0.656 J	0.708 J	0.765 J	
Cadmium	7440-43-9	MG/KG	0.156 J	0.154 J	0.0589 J	0.0714 J	0.0627 J	0.0998 J	0.0920 J	
Chromium	7440-47-3	MG/KG	12.2	9.12	10.1	9.59	8.98	9.12	5.70	
Cobalt	7440-48-4	MG/KG	1.76	4.56	1.22	1.21	1.47	1.56	2.38	
Copper	7440-50-8	MG/KG	8.69	6.36	5.26	4.77	4.91	5.28	5.42	
Lead	7439-92-1	MG/KG	20.8 J	18.8 J	10.7 J	9.85 J	10.8 J	12.5 J	11.0 J	
Mercury	7439-97-6	MG/KG	0.152 J	0.0458 J	0.0586 J	0.0484 J	0.0632 J	0.0556 J	0.0307 J	
Nickel	7440-02-0	MG/KG	41.3	26.9	20.2	15.1	24.4	12.0	30.1	
Selenium	7782-49-2	MG/KG	0.528 J	0.461 J	0.439 J	0.367 J	0.281 J	0.374 J	0.267 J	
Silver	7440-22-4	MG/KG	<0.231	<1.13	<0.219	<0.212	<0.221	<0.218	0.506 J	
Thallium	7440-28-0	MG/KG	0.234 J	0.190 J	0.155 J	0.139 J	0.154 J	0.194 J	0.151 J	
Tin	7440-31-5	MG/KG	3.99 B	3.76 B	3.22 B	2.97 B	3.38 B	3.22 B	2.86 B	
Vanadium	7440-62-2	MG/KG	20.7	20.2	21.1	19.7	18.6	20.1	13.2	
Zinc	7440-66-6	MG/KG	15.3	21.8	14.9	14.6	14.2	17.0	26.2	
Percent Moisture	EVS0198	%	17.9	16.5	13.4	13.0	14.7	15.4	12.8	

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2	SWMU14-SS-3
			Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0550	0.0290	0.0760	0.0160 J	0.0260	0.0150 J	<0.0080
Acetonitrile	75-05-8	MG/KG		<0.0290	<0.0240	<0.0280	<0.0270	<0.0230	<0.0290	<0.0290
Acrolein	107-02-8	MG/KG		<0.0230	<0.0190	<0.0230	<0.0220	<0.0190	<0.0230	<0.0230
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0040	<0.0050	<0.0040	<0.0040	<0.0050	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00060	<0.00050	<0.00060	<0.00050	<0.00050	<0.00060	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	0.0020 J	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1200	<0.0960	<0.1100	<0.1100	<0.0930	<0.1200	<0.1100
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0050	<0.0060	<0.0050	<0.0050	<0.0060	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0040	<0.0050	<0.0040	<0.0040	<0.0050	<0.0050

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2	SWMU14-SS-3
			Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		0.0090	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0350	<0.0290	<0.0340	<0.0330	<0.0280	<0.0350	<0.0340
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		0.0080	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0120	<0.0100	<0.0110	<0.0110	<0.0090	<0.0120	<0.0110
Trichloroethene	79-01-6	MG/KG		0.0030 J	0.0010 J	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1200	<0.1200	<0.1100	<0.1200	<0.1100	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9900	<0.9800	<0.9700	<0.9500	<0.9900	<0.9200	<1.0000
1-Naphthylamine	134-32-7	MG/KG		<0.2000	<0.2000 R	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3600	<0.3500	<0.3500	<0.3400	<0.3600	<0.3300	<0.3600
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
2-Chlorophenol	95-57-8	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2-Naphthylamine	91-59-8	MG/KG		<0.2000	<0.2000 R	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
2-Nitrophenol	88-75-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2	SWMU14-SS-3
			Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1200	<0.1200 UJ	<0.1200	<0.1100	<0.1200	<0.1100	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1200	<0.1200	<0.1200	<0.1100	<0.1200	<0.1100	<0.1200
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.6000	<0.5900 R	<0.5800	<0.5700	<0.5900	<0.5500	<0.6000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
3-Nitroaniline	99-09-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
4-Chloroaniline	106-47-8	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
4-Nitroaniline	100-01-6	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
4-Nitrophenol	100-02-7	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4000	<0.3900	<0.3900	<0.3800	<0.4000	<0.3700	<0.4000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Acenaphthene	83-32-9	MG/KG		0.0170 J	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Aniline	62-53-3	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
Anthracene	120-12-7	MG/KG		0.0420	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG		0.1700	0.0170 J	0.0200	0.0100 J	0.0050 J	0.0040 J	0.0080 J
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.2400	0.0290	0.0350	0.0120 J	0.0150 J	0.0080 J	0.0150 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.1200	0.0140 J	0.0190 J	0.0080 J	0.0150 J	0.0070 J	0.0080 J
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0820	0.0130 J	0.0120 J	0.0070 J	0.0060 J	0.0050 J	0.0050 J
Benzo[A]Pyrene	50-32-8	MG/KG		0.1700	0.0170 J	0.0230	0.0100 J	0.0140 J	0.0060 J	0.0110 J
Benzyl Alcohol	100-51-6	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Chlorobenzilate	510-15-6	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Chrysene	218-01-9	MG/KG		0.1600	0.0210	0.0210	0.0090 J	0.0090 J	0.0050 J	0.0100 J
Diallate	2303-16-4	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.0280	0.0050 J	0.0090 J	0.0050 J	0.0050 J	<0.0040	0.0050 J
Dibenzofuran	132-64-9	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Diethyl Phthalate	84-66-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Dimethyl Phthalate	131-11-3	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2	SWMU14-SS-3
			Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Fluoranthene	206-44-0	MG/KG		0.3400	0.0400	0.0370	0.0110 J	<0.0040	0.0040 J	0.0120 J
Fluorene	86-73-7	MG/KG		0.0180 J	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1200	<0.1200	<0.1100	<0.1200	<0.1100	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.1100	0.0110 J	0.0170 J	0.0080 J	0.0120 J	0.0050 J	0.0070 J
Isodrin	465-73-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Isophorone	78-59-1	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Isosafrole	120-58-1	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Methapyrilene	91-80-5	MG/KG		<2.0000	<2.0000 R	<1.9000	<1.9000	<2.0000	<1.8000	<2.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Naphthalene	91-20-3	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Nitrobenzene	98-95-3	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
O-Toluidine	95-53-4	MG/KG		<0.2400	<0.2400	<0.2300	<0.2300	<0.2400	<0.2200	<0.2400
para-Phenylenediamine	106-50-3	MG/KG		<14.0000	<14.0000	<14.0000	<13.0000	<14.0000	<13.0000	<14.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Pentachlorophenol	87-86-5	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Phenacetin	62-44-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Phenanthrene	85-01-8	MG/KG		0.1800	0.0170 J	0.0160 J	0.0050 J	<0.0040	<0.0040	0.0080 J
Phenol	108-95-2	MG/KG		<0.0200	<0.0200	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200
Pronamide	23950-58-5	MG/KG		<0.0400	<0.0390	<0.0390	<0.0380	<0.0400	<0.0370	<0.0400
Pyrene	129-00-0	MG/KG		0.2600	0.0340	0.0320	0.0110 J	0.0050 J	<0.0040	0.0120 J
Pyridine	110-86-1	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Safrole	94-59-7	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Thionazin	297-97-2	MG/KG		<0.0800	<0.0780	<0.0770	<0.0760	<0.0790	<0.0740	<0.0800
Dimethoate	60-51-5	MG/KG		<0.2000	<0.2000	<0.1900	<0.1900	<0.2000	<0.1800	<0.2000

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-7	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2	SWMU14-SS-3
			Field Sample ID	SSP14-SWMU13-SS-7	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2	SSP14-SWMU14-SS-3
			Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0200	0.0380 J	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	<0.0200	0.0630	<0.0190	<0.0190	<0.0200	<0.0180	<0.0200	<0.0200
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<6.0000	<6.0000	<5.8000	<5.7000	<5.9000	<5.6000	<6.0000	<6.0000
Diethylene Glycol	111-46-6	MG/KG	<6.0000	<6.0000	<5.8000	<5.7000	<5.9000	<5.6000	<6.0000	<6.0000
Propylene Glycol	57-55-6	MG/KG	<6.0000	<6.0000	<5.8000	<5.7000	<5.9000	<5.6000	<6.0000	<6.0000
Triethylene Glycol	112-27-6	MG/KG	<6.0000	<6.0000	<5.8000	<5.7000	<5.9000	<5.6000	<6.0000	<6.0000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	<0.0997 UJ	0.271 J	<0.0971 R	<0.0959 R	0.173 J	<0.0932 R	0.100 J	0.100 J
Arsenic	7440-38-2	MG/KG	2.04	2.08 J	2.11 J	2.59 J	3.90 J	1.57 J	1.61 J	1.61 J
Barium	7440-39-3	MG/KG	23.2	34.9	85.1	74.6	26.0	85.3	44.6	44.6
Beryllium	7440-41-7	MG/KG	0.962 J	0.827 J	0.676 J	1.27	0.757 J	1.44	0.881 J	0.881 J
Cadmium	7440-43-9	MG/KG	0.150 J	0.0885 J	0.118 J	0.108 J	0.126 J	0.0872 J	0.0817 J	0.0817 J
Chromium	7440-47-3	MG/KG	6.24	5.30	5.47	2.45 J	9.34	2.56 J	3.07 J	3.07 J
Cobalt	7440-48-4	MG/KG	2.27	2.57	4.87	2.66	1.92	2.43	2.24	2.24
Copper	7440-50-8	MG/KG	4.48	4.94	8.56	2.77	5.02	1.72 J	3.06	3.06
Lead	7439-92-1	MG/KG	11.7 J	12.4 J	17.9 J	9.07 J	15.9 J	5.72 J	9.94 J	9.94 J
Mercury	7439-97-6	MG/KG	0.0471 J	0.0335 J	0.0404 J	<0.0112	0.0474 J	<0.0107	0.0124 J	0.0124 J
Nickel	7440-02-0	MG/KG	36.0	19.1	14.0	18.4	11.7	39.1	17.4	17.4
Selenium	7782-49-2	MG/KG	0.399 J	0.371 J	0.406 J	0.474 J	0.533 J	0.366 J	0.256 J	0.256 J
Silver	7440-22-4	MG/KG	<0.224	0.338 J	<0.218	<0.216	<0.226	<0.210	<0.225	<0.225
Thallium	7440-28-0	MG/KG	0.233 J	0.190 J	0.104 J	0.444 J	0.278 J	0.471 J	0.301 J	0.301 J
Tin	7440-31-5	MG/KG	3.83 B	3.05 B	2.75 B	2.82 B	3.56 B	2.60 B	2.94 B	2.94 B
Vanadium	7440-62-2	MG/KG	15.2	12.2	13.0	12.1	24.0	12.0	12.3	12.3
Zinc	7440-66-6	MG/KG	22.3	21.7	16.3	26.2	16.6	24.4	22.1	22.1
Percent Moisture	EVS0198	%	16.2	16.1	13.9	12.0	15.8 J	10.3	17.2	17.2

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Analyte	CAS No.	Units	Location ID	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1
			Field Sample ID	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1
			Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/11/2014	12/11/2014	12/12/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0170 J	0.0120 J	0.0100 J	0.0200	0.0250	0.0250	0.0320
Acetonitrile	75-05-8	MG/KG		<0.0280	<0.0270	<0.0350	<0.0250	<0.0240	<0.0260	<0.0250
Acrolein	107-02-8	MG/KG		<0.0230	<0.0210	<0.0280	<0.0200	<0.0190	<0.0210	<0.0200
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0040	<0.0060	<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00060	<0.00050	<0.00070	<0.00050	<0.00050	<0.00050	0.0010 J
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1100	<0.1100	<0.1400	<0.0990	<0.0970	<0.1000	<0.1000
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0050	<0.0070	<0.0050	<0.0050	<0.0050	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0040	<0.0060	<0.0040	<0.0040	<0.0040	<0.0040

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Analyte	CAS No.	Units	Location ID	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1
			Field Sample ID	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1
			Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/11/2014	12/11/2014	12/12/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0340	<0.0320	<0.0420	<0.0300	<0.0290	<0.0310	<0.0300
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0110	<0.0110	<0.0140	<0.0100	<0.0100	<0.0100	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010 J
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
1,4-Dioxane	123-91-1	MG/KG		<0.1300	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<1.1000	<1.0000	<1.0000	<0.9900	<0.9800	<1.0000	<1.0000
1-Naphthylamine	134-32-7	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3900	<0.3700	<0.3600	<0.3600	<0.3500	<0.3700	<0.3700
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
2-Chloronaphthalene	91-58-7	MG/KG		<0.0090	<0.0090	<0.0080	<0.0080	<0.0080	<0.0090	<0.0090
2-Chlorophenol	95-57-8	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.1600
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2-Naphthylamine	91-59-8	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
2-Nitrophenol	88-75-5	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200

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Analyte	CAS No.	Units	Location ID	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1
			Field Sample ID	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1
			Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/11/2014	12/11/2014	12/12/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1300	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1300	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.6500	<0.6200	<0.6000	<0.5900	<0.5900	<0.6200	<0.6100
3-Methylcholanthrene	56-49-5	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	0.0840
3-Nitroaniline	99-09-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
4-Chloroaniline	106-47-8	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	0.0230 J
4-Nitroaniline	100-01-6	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
4-Nitrophenol	100-02-7	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4300	<0.4100	<0.4000	<0.4000	<0.3900	<0.4100	<0.4100
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG		0.0080 J	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	1.1000
Acenaphthylene	208-96-8	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0360
Acetophenone	98-86-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Aniline	62-53-3	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
Anthracene	120-12-7	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	3.1000
Benzo(A)Anthracene	56-55-3	MG/KG		0.0090 J	0.0060 J	<0.0040	<0.0040	<0.0040	0.0050 J	6.8000
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.0140 J	0.0100 J	0.0050 J	0.0060 J	0.0060 J	0.0080 J	7.7000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.0100 J	0.0080 J	0.0050 J	0.0060 J	0.0060 J	0.0080 J	4.2000
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0080 J	0.0060 J	<0.0040	<0.0040	0.0040 J	0.0050 J	2.8000
Benzo[A]Pyrene	50-32-8	MG/KG		0.0120 J	0.0090 J	0.0050 J	0.0060 J	0.0060 J	0.0070 J	6.0000
Benzyl Alcohol	100-51-6	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Chlorobenzilate	510-15-6	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Chrysene	218-01-9	MG/KG		0.0080 J	0.0050 J	<0.0040	<0.0040	0.0040 J	0.0060 J	6.1000
Diallate	2303-16-4	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	1.2000
Dibenzofuran	132-64-9	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	0.5200
Diethyl Phthalate	84-66-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Dimethyl Phthalate	131-11-3	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820

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Analyte	CAS No.	Units	Location ID	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1
			Field Sample ID	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1
			Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/11/2014	12/11/2014	12/12/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Fluoranthene	206-44-0	MG/KG		0.0150 J	0.0080 J	<0.0040	<0.0040	0.0060 J	0.0070 J	15.0000
Fluorene	86-73-7	MG/KG		0.0070 J	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	1.2000
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Hexachloropropylene	1888-71-7	MG/KG		<0.1300	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.0090 J	0.0070 J	0.0050 J	0.0050 J	0.0050 J	0.0060 J	3.9000
Isodrin	465-73-6	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Isophorone	78-59-1	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Isosafrole	120-58-1	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Methapyrilene	91-80-5	MG/KG		<2.2000	<2.1000	<2.0000	<2.0000	<2.0000	<2.1000	<2.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Naphthalene	91-20-3	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.4500
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Nitrobenzene	98-95-3	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
O-Toluidine	95-53-4	MG/KG		<0.2600	<0.2500	<0.2400	<0.2400	<0.2400	<0.2500	<0.2400
para-Phenylenediamine	106-50-3	MG/KG		<15.0000	<14.0000	<14.0000	<14.0000	<14.0000	<14.0000	<14.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Pentachlorophenol	87-86-5	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Phenacetin	62-44-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Phenanthrene	85-01-8	MG/KG		0.0120 J	0.0070 J	<0.0040	<0.0040	0.0050 J	0.0050 J	9.7000
Phenol	108-95-2	MG/KG		<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0210	<0.0200
Pronamide	23950-58-5	MG/KG		<0.0430	<0.0410	<0.0400	<0.0400	<0.0390	<0.0410	<0.0410
Pyrene	129-00-0	MG/KG		0.0130 J	0.0080 J	<0.0040	<0.0040	0.0060 J	0.0080 J	11.0000
Pyridine	110-86-1	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Safrole	94-59-7	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Thionazin	297-97-2	MG/KG		<0.0860	<0.0820	<0.0800	<0.0790	<0.0790	<0.0820	<0.0820
Dimethoate	60-51-5	MG/KG		<0.2200	<0.2100	<0.2000	<0.2000	<0.2000	<0.2100	<0.2000

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Analyte	CAS No.	Units	Location ID	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1
			Field Sample ID	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1
			Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/11/2014	12/11/2014	12/12/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0220	<0.0210	<0.0200	<0.0200	<0.0200	<0.0200	<0.0210	0.0820
Diphenyl Ether	101-84-8	MG/KG	0.0330 J	<0.0210	<0.0200	<0.0200	<0.0200	<0.0200	<0.0210	0.0630
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<6.5000	<6.2000	<6.1000	<5.9000	<5.9000	<5.9000	<6.2000	<6.1000
Diethylene Glycol	111-46-6	MG/KG	<6.5000	<6.2000	<6.1000	<5.9000	<5.9000	<5.9000	<6.2000	<6.1000
Propylene Glycol	57-55-6	MG/KG	<6.5000	<6.2000	<6.1000	<5.9000	<5.9000	<5.9000	<6.2000	<6.1000
Triethylene Glycol	112-27-6	MG/KG	<6.5000	<6.2000	<6.1000	<5.9000	<5.9000	<5.9000	<6.2000	<6.1000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	<0.107 R	<0.101 R	<0.102 R	<0.0974 R	<0.0978 R	0.130 J	2.10	
Arsenic	7440-38-2	MG/KG	1.72 J	1.48 J	1.11 J	1.84 J	2.00 J	2.27 J	2.22 J	
Barium	7440-39-3	MG/KG	45.2	47.0	25.8	54.6	31.2	49.3	49.8	
Beryllium	7440-41-7	MG/KG	0.926 J	0.910 J	0.583 J	1.24	0.840 J	1.09 J	1.08 J	
Cadmium	7440-43-9	MG/KG	0.0966 J	0.0768 J	0.0638 J	0.133 J	0.0915 J	0.0940 J	0.290 J	
Chromium	7440-47-3	MG/KG	3.28 J	2.73 J	3.97	4.71	4.72	3.78	8.70	
Cobalt	7440-48-4	MG/KG	2.66	2.37	1.85	3.61	2.49	2.50	3.43	
Copper	7440-50-8	MG/KG	3.54	2.84	2.58	3.65	3.37	3.40	36.7 J	
Lead	7439-92-1	MG/KG	8.82 J	7.57 J	5.68 J	9.53 J	11.7 J	11.0 J	30.1 J	
Mercury	7439-97-6	MG/KG	<0.0128	0.0119 J	0.0180 J	0.0289 J	0.0258 J	0.0163 J	0.0490 J	
Nickel	7440-02-0	MG/KG	6.13	6.31	7.08	15.3	18.3	8.94	7.95	
Selenium	7782-49-2	MG/KG	0.376 J	0.319 J	0.134 J	0.385 J	0.316 J	0.392 J	0.352 J	
Silver	7440-22-4	MG/KG	<0.241	<0.228	<0.229	<0.219	<0.220	<0.229	2.68	
Thallium	7440-28-0	MG/KG	0.404 J	0.311 J	0.169 J	0.326 J	0.242 J	0.341 J	0.337 J	
Tin	7440-31-5	MG/KG	3.24 B	2.85 B	3.82 B	4.18 B	3.10 B	3.07 B	3.94 B	
Vanadium	7440-62-2	MG/KG	13.7	12.9	13.6	20.9	15.6	14.7	23.4	
Zinc	7440-66-6	MG/KG	19.3	19.8	14.8	28.2	21.5	23.3	157 J	
Percent Moisture	EVS0198	%	23.6	19.1	17.7	15.9	15.4	19.4	18.5	

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Analyte	CAS No.	Units	Location ID	SWMU15-SBS-2	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
			Field Sample ID	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
			Date Sampled	12/05/2014	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1-Dichloroethane	75-34-3	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1-Dichloroethene	75-35-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
1,2-Dichloroethane	107-06-2	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,2-Dichloropropane	78-87-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.1900
Acetone	67-64-1	MG/KG		0.0360	0.0410	0.0180 J	0.0230	0.0230	0.0190 J	<0.4400
Acetonitrile	75-05-8	MG/KG		<0.0210	<0.0220	<0.0280	<0.0260	<0.0280	<0.0320	<1.6000
Acrolein	107-02-8	MG/KG		<0.0170	<0.0180	<0.0220	<0.0210	<0.0220	<0.0260	<1.3000
Acrylonitrile	107-13-1	MG/KG		<0.0030	<0.0040	<0.0040	<0.0040	<0.0040	<0.0050	<0.2500
Allyl Chloride	107-05-1	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Benzene	71-43-2	MG/KG		<0.00040	<0.00040	<0.00060	<0.00050	<0.00060	<0.00060	<0.0310
Bromodichloromethane	75-27-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Bromoform	75-25-2	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Carbon Disulfide	75-15-0	MG/KG		<0.00080	<0.00090	0.0010 J	<0.0010	<0.0010	<0.0010	<0.0630
Carbon Tetrachloride	56-23-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Chlorobenzene	108-90-7	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Chlorodibromomethane	124-48-1	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Chloroform	67-66-3	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Chloroprene	126-99-8	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Ethyl Methacrylate	97-63-2	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Ethylbenzene	100-41-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.1900
Isobutyl Alcohol	78-83-1	MG/KG		<0.0850	<0.0890	<0.1100	<0.1100	<0.1100	<0.1300	<6.3000
Methacrylonitrile	126-98-7	MG/KG		<0.0040	<0.0040	<0.0060	<0.0050	<0.0060	<0.0060	<0.3100
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0030	<0.0040	<0.0040	<0.0040	<0.0040	<0.0050	<0.2500

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Analyte	CAS No.	Units	Location ID	SWMU15-SBS-2	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
			Field Sample ID	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
			Date Sampled	12/05/2014	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.1900
Methyl Methacrylate	80-62-6	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Methylene Bromide	74-95-3	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Pentachloroethane	76-01-7	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Propionitrile	107-12-0	MG/KG		<0.0250	<0.0270	<0.0330	<0.0320	<0.0330	<0.0390	<1.9000
Styrene	100-42-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Tetrachloroethene	127-18-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Toluene	108-88-3	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0080	<0.0090	<0.0110	<0.0110	<0.0110	<0.0130	<0.6300
Trichloroethene	79-01-6	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	0.0020 J	<0.0010	<0.0630
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Vinyl Chloride	75-01-4	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Xylenes	1330-20-7	MG/KG		<0.00080	<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.1100	<0.1300	<0.1200	<0.1100	<0.1300	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9500	<0.9500	<1.0000	<1.0000	<0.9600	<1.0000	<1.0000
1-Naphthylamine	134-32-7	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3400	<0.3400	<0.3800	<0.3700	<0.3400	<0.3800	<0.3600
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0080	<0.0090	<0.0090	<0.0080	<0.0090	<0.0080
2-Chlorophenol	95-57-8	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	0.0280	<0.0040	0.0300	0.0180 J	0.0070 J
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Naphthylamine	91-59-8	MG/KG		<0.1900	<0.1900	<0.2100 R	<0.2000	<0.1900	<0.2100	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Nitrophenol	88-75-5	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200

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Analyte	CAS No.	Units	Location ID	SWMU15-SBS-2	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
			Field Sample ID	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
			Date Sampled	12/05/2014	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1100	<0.1100	<0.1300	<0.1200	<0.1100	<0.1300	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.1100	<0.1300	<0.1200	<0.1100	<0.1300	<0.1200
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.5700	<0.5700	<0.6300 R	<0.6100	<0.5700	<0.6300	<0.6000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
3-Nitroaniline	99-09-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Chloroaniline	106-47-8	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Nitroaniline	100-01-6	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
4-Nitrophenol	100-02-7	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3800	<0.3800	<0.4200	<0.4100	<0.3800	<0.4200	<0.4000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG		<0.0040	<0.0040	0.0470	<0.0040	0.1300	0.0750	0.0380
Acenaphthylene	208-96-8	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	0.0090 J	0.0130 J	0.0050 J
Acetophenone	98-86-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Aniline	62-53-3	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Anthracene	120-12-7	MG/KG		<0.0040	<0.0040	0.0330	<0.0040	0.2900	0.2100	0.1000
Benzo(A)Anthracene	56-55-3	MG/KG		0.0190	0.0130 J	0.0260	0.0060 J	0.6500	0.6000	0.3700
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.0220	0.0190	0.0240	0.0070 J	0.7100	0.7700	0.4400
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.0140 J	0.0130 J	0.0130 J	0.0040 J	0.3500	0.3400	0.2300
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0090 J	0.0070 J	0.0150 J	0.0060 J	0.2800	0.2200	0.1700
Benzo[A]Pyrene	50-32-8	MG/KG		0.0170 J	0.0170 J	0.0180 J	0.0050 J	0.5500	0.5200	0.3300
Benzyl Alcohol	100-51-6	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Chlorobenzilate	510-15-6	MG/KG		<0.0380	<0.0380	<0.0420	<0.0410	<0.0380	<0.0420	<0.0400
Chrysene	218-01-9	MG/KG		0.0170 J	0.0110 J	0.0260	0.0060 J	0.5300	0.5000	0.3000
Diallate	2303-16-4	MG/KG		<0.0380	<0.0380	<0.0420	<0.0410	<0.0380	<0.0420	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0040	0.0050 J	0.0050 J	<0.0040	0.1100	0.1100	0.0680
Dibenzofuran	132-64-9	MG/KG		<0.0190	<0.0190	0.0330 J	<0.0200	0.0730	0.0430	<0.0200
Diethyl Phthalate	84-66-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Dimethyl Phthalate	131-11-3	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800

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Analyte	CAS No.	Units	Location ID	SWMU15-SBS-2	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
			Field Sample ID	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
			Date Sampled	12/05/2014	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0760	<0.0760	<0.0840 UJ	<0.0820	<0.0770	<0.0840	<0.0800
Fluoranthene	206-44-0	MG/KG		0.0220	0.0100 J	0.0840	<0.0040	1.2000	1.1000	0.6800
Fluorene	86-73-7	MG/KG		<0.0040	<0.0040	0.0360	<0.0040	0.1600	0.0950	0.0380
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0380	<0.0380	<0.0420	<0.0410	<0.0380	<0.0420	<0.0400
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.1100	<0.1300	<0.1200	<0.1100	<0.1300	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.0130 J	0.0110 J	0.0110 J	<0.0040	0.3300	0.3200	0.2200
Isodrin	465-73-6	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Isophorone	78-59-1	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Isosafrole	120-58-1	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Methapyrilene	91-80-5	MG/KG		<1.9000	<1.9000	<2.1000 R	<2.0000	<1.9000	<2.1000	<2.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0380	<0.0380	<0.0420 R	<0.0410	<0.0380	<0.0420	<0.0400
Naphthalene	91-20-3	MG/KG		<0.0040	<0.0040	0.0180 J	<0.0040	0.0780	0.0410	0.0090 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Nitrobenzene	98-95-3	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
O-Toluidine	95-53-4	MG/KG		<0.2300	<0.2300	<0.2500	<0.2500	<0.2300	<0.2500	<0.2400
para-Phenylenediamine	106-50-3	MG/KG		<13.0000	<13.0000	<15.0000	<14.0000	<13.0000	<15.0000	<14.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Pentachlorophenol	87-86-5	MG/KG		<0.0380	<0.0380	<0.0420	<0.0410	<0.0380	<0.0420	<0.0400
Phenacetin	62-44-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Phenanthrene	85-01-8	MG/KG		0.0090 J	<0.0040	0.1200	<0.0040	0.9000	0.6600	0.3700
Phenol	108-95-2	MG/KG		<0.0190	<0.0190	<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Pronamide	23950-58-5	MG/KG		<0.0380	<0.0380	<0.0420	<0.0410	<0.0380	<0.0420	<0.0400
Pyrene	129-00-0	MG/KG		0.0200	0.0120 J	0.0650	0.0050 J	0.9700	0.8600	0.5300
Pyridine	110-86-1	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Safrole	94-59-7	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Thionazin	297-97-2	MG/KG		<0.0760	<0.0760	<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Dimethoate	60-51-5	MG/KG		<0.1900	<0.1900	<0.2100	<0.2000	<0.1900	<0.2100	<0.2000

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Analyte	CAS No.	Units	Location ID	SWMU15-SBS-2	SWMU15-SBS-2	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
			Field Sample ID	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
			Date Sampled	12/05/2014	12/05/2014	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
			Start Depth - End Depth							
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0190	<0.0190	<0.0210	<0.0200	0.0200 J	<0.0210	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	<0.0190	<0.0190	<0.0210	<0.0200	0.0220 J	<0.0210	<0.0200	<0.0200
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<5.7000	<5.7000	<6.3000 UJ	<6.2000	<5.8000	<6.3000 UJ	<6.0000	<6.0000
Diethylene Glycol	111-46-6	MG/KG	<5.7000	<5.7000	<6.3000 UJ	<6.2000	<5.8000	<6.3000 UJ	<6.0000	<6.0000
Propylene Glycol	57-55-6	MG/KG	<5.7000	<5.7000	<6.3000 UJ	<6.2000	<5.8000	<6.3000 UJ	<6.0000	<6.0000
Triethylene Glycol	112-27-6	MG/KG	<5.7000	<5.7000	<6.3000 UJ	<6.2000	<5.8000	<6.3000 UJ	<6.0000	<6.0000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	<0.0929	<0.0924 UJ	<0.105 UJ	<0.104 UJ	0.598	1.29	0.274 J	0.274 J
Arsenic	7440-38-2	MG/KG	1.34 J	1.18	1.12	1.07	1.31 J	2.07 J	1.55 J	1.55 J
Barium	7440-39-3	MG/KG	28.5	27.8	57.6	54.9	59.4	51.8	57.9	57.9
Beryllium	7440-41-7	MG/KG	1.00 J	1.00 J	1.11 J	1.06 J	1.22	1.50	1.12 J	1.12 J
Cadmium	7440-43-9	MG/KG	<0.0363	<0.0361	0.0909 J	0.0780 J	0.0484 J	0.0831 J	<0.0388	<0.0388
Chromium	7440-47-3	MG/KG	3.35	2.80 J	4.16	4.07	6.16	10.8	4.12	4.12
Cobalt	7440-48-4	MG/KG	1.92	1.91	3.84	3.74	3.74	3.46	4.42	4.42
Copper	7440-50-8	MG/KG	2.99 J	2.47	2.88	2.86	15.4 J	18.6 J	7.48 J	7.48 J
Lead	7439-92-1	MG/KG	14.0 J	12.1	9.55 J	9.02 J	15.9 J	18.0 J	16.6 J	16.6 J
Mercury	7439-97-6	MG/KG	0.0276 J	0.0223 J	<0.0121	<0.0123	0.0319 J	0.0369 J	0.0262 J	0.0262 J
Nickel	7440-02-0	MG/KG	2.72	2.00 J	4.02	3.80	47.2	38.6	14.9	14.9
Selenium	7782-49-2	MG/KG	0.236 J	0.219 J	0.252 J	0.236 J	0.351 J	0.728 J	0.314 J	0.314 J
Silver	7440-22-4	MG/KG	<0.209	<0.208	<0.237	<0.235	<0.219	0.306 J	<0.224	<0.224
Thallium	7440-28-0	MG/KG	0.228 J	0.198 J	0.360	0.318	0.328 J	0.442 J	0.445 J	0.445 J
Tin	7440-31-5	MG/KG	3.25 B	3.14 B	2.85 B	2.89 B	3.30 B	4.17 B	3.06 B	3.06 B
Vanadium	7440-62-2	MG/KG	8.35	8.50	13.6	15.2	15.8	24.0	17.6	17.6
Zinc	7440-66-6	MG/KG	18.1 J	16.5 J	30.7	29.5	130 J	103 J	50.1 J	50.1 J
Percent Moisture	EVS0198	%	12.6	13.0	20.5	19.2	13.3	20.2	16.7	16.7

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Analyte	CAS No.	Units	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3
			Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3
			Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015	12/10/2014	12/10/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0030		<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0230	0.0130 J	0.0320		0.0220 J	0.0220	0.0170 J
Acetonitrile	75-05-8	MG/KG		<0.0240	<0.0260	<0.0260		<0.0250	<0.0240	<0.0260
Acrolein	107-02-8	MG/KG		<0.0190	<0.0200	<0.0210		<0.0200	<0.0190	<0.0210
Acrylonitrile	107-13-1	MG/KG		<0.0040	<0.0040	<0.0040		<0.0040	<0.0040	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<0.00050	<0.00050		<0.00050	<0.00050	<0.00050
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	0.0020 J	<0.0010		<0.0010	<0.0010	0.0010 J
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0030		<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.0950	<0.1000	<0.1000		<0.0980	<0.0970	<0.1000
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<0.0040	<0.0040		<0.0040	<0.0040	<0.0040

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Analyte	CAS No.	Units	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3
			Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3
			Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015	12/10/2014	12/10/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0030		<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0290	<0.0310	<0.0310		<0.0290	<0.0290	<0.0310
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010		0.0020 J	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0100	<0.0100	<0.0100		<0.0100	<0.0100	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020		<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1100	<0.1200	<0.1200		<0.1200	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9800	<0.9500	<0.9700	<0.9600		<0.9600	<0.9300
1-Naphthylamine	134-32-7	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3500	<0.3400	<0.3500	<0.3500		<0.3500	<0.3300
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0080	<0.0080	<0.0080		<0.0080	<0.0080
2-Chlorophenol	95-57-8	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040		0.0090 J	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2-Naphthylamine	91-59-8	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
2-Nitroaniline	88-74-4	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
2-Nitrophenol	88-75-5	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190

Summary of Analytical Results - 2014 Discrete Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3
			Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3
			Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015	12/10/2014	12/10/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1200	<0.1100	<0.1200	<0.1200		<0.1200	<0.1100
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1200	<0.1100	<0.1200	<0.1200		<0.1200	<0.1100
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.5900	<0.5700	<0.5800	<0.5800		<0.5800	<0.5600
3-Methylcholanthrene	56-49-5	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
3-Nitroaniline	99-09-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
4-Chloroaniline	106-47-8	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
4-Nitroaniline	100-01-6	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
4-Nitrophenol	100-02-7	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3900	<0.3800	<0.3900	<0.3800		<0.3800	<0.3700
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG		0.0090 J	<0.0040	<0.0040	<0.0040		0.0100 J	0.0040 J
Acenaphthylene	208-96-8	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040		0.0200	0.0080 J
Acetophenone	98-86-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Aniline	62-53-3	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
Anthracene	120-12-7	MG/KG		0.0290	<0.0040	<0.0040	0.0070 J		0.0340	0.0090 J
Benzo(A)Anthracene	56-55-3	MG/KG		0.1100	0.0110 J	0.0070 J	0.0300		0.1300	0.0610
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.1500	0.0250	0.0200	0.0440		0.1900	0.1000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.0730	0.0170 J	0.0160 J	0.0210		0.1000	0.0560
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0480	0.0080 J	0.0060 J	0.0160 J		0.0800	0.0360
Benzo[A]Pyrene	50-32-8	MG/KG		0.1000	0.0190	0.0140 J	0.0280		0.1400	0.0730
Benzyl Alcohol	100-51-6	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900		<0.1900	<0.1900
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
Chlorobenzilate	510-15-6	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380		<0.0380	<0.0370
Chrysene	218-01-9	MG/KG		0.0920	0.0120 J	0.0080 J	0.0300		0.1300	0.0590
Diallate	2303-16-4	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380		<0.0380	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.0230	0.0050 J	0.0050 J	0.0060 J		0.0230	0.0130 J
Dibenzofuran	132-64-9	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190		<0.0190	<0.0190
Diethyl Phthalate	84-66-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
Dimethyl Phthalate	131-11-3	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770		<0.0770	<0.0740

Summary of Analytical Results - 2014 Discrete Soil
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Analyte	CAS No.	Units	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3
			Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3
			Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015	12/10/2014	12/10/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Fluoranthene	206-44-0	MG/KG		0.1900	0.0190	0.0110 J	0.0640	0.2700	0.1100	
Fluorene	86-73-7	MG/KG		0.0100 J	<0.0040	<0.0040	<0.0040	0.0170 J	0.0040 J	
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	
Hexachlorobutadiene	87-68-3	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900	
Hexachloroethane	67-72-1	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380	<0.0380	<0.0370	
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1100	<0.1200	<0.1200	<0.1200	<0.1100	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.0680	0.0140 J	0.0130 J	0.0180 J	0.0960	0.0490	
Isodrin	465-73-6	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
Isophorone	78-59-1	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
Isosafrole	120-58-1	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Methapyrilene	91-80-5	MG/KG		<2.0000	<1.9000	<1.9000	<1.9000 UJ	<1.9000	<1.9000 UJ	
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380	<0.0380	<0.0370	
Naphthalene	91-20-3	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	0.0220	<0.0040	
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Nitrobenzene	98-95-3	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
O-Toluidine	95-53-4	MG/KG		<0.2400	<0.2300	<0.2300	<0.2300	<0.2300	<0.2200	
para-Phenylenediamine	106-50-3	MG/KG		<14.0000	<13.0000	<14.0000	<13.0000	<13.0000	<13.0000	
Pentachlorobenzene	608-93-5	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Pentachlorophenol	87-86-5	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380	<0.0380	<0.0370	
Phenacetin	62-44-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Phenanthrene	85-01-8	MG/KG		0.1100	0.0100 J	0.0060 J	0.0300	0.1300	0.0400	
Phenol	108-95-2	MG/KG		<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	
Pronamide	23950-58-5	MG/KG		<0.0390	<0.0380	<0.0390	<0.0380 UJ	<0.0380	<0.0370 UJ	
Pyrene	129-00-0	MG/KG		0.1500	0.0170 J	0.0110 J	0.0550	0.2100	0.0950	
Pyridine	110-86-1	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Safrole	94-59-7	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Thionazin	297-97-2	MG/KG		<0.0780	<0.0760	<0.0780	<0.0770	<0.0770	<0.0740	
Dimethoate	60-51-5	MG/KG		<0.2000	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900	

Summary of Analytical Results - 2014 Discrete Soil
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Analyte	CAS No.	Units	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10	SWMU16-SS-2	SWMU16-SS-3
			Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3
			Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015	12/10/2014	12/10/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190
Diphenyl Ether	101-84-8	MG/KG	<0.0200	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<6.0000	<5.7000	<5.8000	<5.9000	<5.9000	<5.8000	<5.6000	<5.6000
Diethylene Glycol	111-46-6	MG/KG	<6.0000	<5.7000	<5.8000	<5.9000	<5.9000	<5.8000	<5.6000	<5.6000
Propylene Glycol	57-55-6	MG/KG	<6.0000	<5.7000	<5.8000	<5.9000	<5.9000	<5.8000	<5.6000	<5.6000
Triethylene Glycol	112-27-6	MG/KG	<6.0000	<5.7000	<5.8000	<5.9000	<5.9000	<5.8000	<5.6000	<5.6000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	<0.100	<0.0961	0.129 J	0.194 J		0.132 J	<0.0948 R	
Arsenic	7440-38-2	MG/KG	1.34 J	1.26 J	1.32 J	1.10		1.08 J	0.824 J	
Barium	7440-39-3	MG/KG	58.9	53.5	33.5	66.4		23.2	41.1	
Beryllium	7440-41-7	MG/KG	1.05 J	0.920 J	0.831 J	1.02 J		0.617 J	0.726 J	
Cadmium	7440-43-9	MG/KG	<0.0391	<0.0376	0.112 J	0.139 J		0.0980 J	0.0730 J	
Chromium	7440-47-3	MG/KG	3.12 J	3.11 J	1.82 J	3.46		2.84 J	1.36 J	
Cobalt	7440-48-4	MG/KG	4.19	4.06	1.09 J	2.06		0.879 J	0.891 J	
Copper	7440-50-8	MG/KG	3.44 J	3.56 J	2.59	3.16		3.05	2.19 J	
Lead	7439-92-1	MG/KG	13.3 J	12.0 J	16.0 J	7.15 J		12.1 J	11.1 J	
Mercury	7439-97-6	MG/KG	0.0192 J	0.0186 J	0.0185 J	<0.0116		0.0232 J	0.0154 J	
Nickel	7440-02-0	MG/KG	22.3	80.3	12.7	67.2		32.7	32.8	
Selenium	7782-49-2	MG/KG	0.360 J	0.293 J	0.346 J	0.186 J		0.313 J	0.178 J	
Silver	7440-22-4	MG/KG	<0.225	<0.216	<0.215	<0.216		<0.217	<0.213	
Thallium	7440-28-0	MG/KG	0.373 J	0.364 J	0.231 J	0.214 J		0.155 J	0.137 J	
Tin	7440-31-5	MG/KG	3.06 B	2.57 B	3.30 B	2.88 B		3.27 B	3.24 B	
Vanadium	7440-62-2	MG/KG	15.3	13.8	6.36	11.3		7.91	4.00	
Zinc	7440-66-6	MG/KG	41.4 J	32.5 J	13.2	28.6		13.0	9.89	
Percent Moisture	EVS0198	%	16.4	13.0	14.4 J	14.6 J	14.8 J	14.0 J	11.0 J	

Summary of Analytical Results - 2014 Discrete Soil
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Analyte	CAS No.	Units	Location ID	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
			Field Sample ID	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
			Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0020	<0.0040	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0230	0.0450	0.0190	0.0440	0.0230	0.0290	0.0850
Acetonitrile	75-05-8	MG/KG		<0.0240	<0.0240	<0.0160	<0.0290	<0.0260	<0.0260	<0.0280
Acrolein	107-02-8	MG/KG		<0.0200	<0.0190	<0.0130	<0.0230	<0.0210	<0.0210	<0.0230
Acrylonitrile	107-13-1	MG/KG		<0.0040	<0.0040	<0.0030	<0.0050	<0.0040	<0.0040	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<0.00050	<0.00030	<0.00060	<0.00050	<0.00050	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		0.0020 J	<0.0010	0.0010 J	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	0.0100
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0020	<0.0040	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.0980	<0.0970	<0.0630	<0.1200	<0.1000	<0.1000	<0.1100
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<0.0050	<0.0030	<0.0060	<0.0050	<0.0050	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<0.0040	<0.0030	<0.0050	<0.0040	<0.0040	<0.0050

Summary of Analytical Results - 2014 Discrete Soil
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Analyte	CAS No.	Units	Location ID	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
			Field Sample ID	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
			Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0020	<0.0040	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	0.0100	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0290	<0.0290	<0.0190	<0.0350	<0.0310	<0.0310	<0.0340
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	0.0040 J	<0.00060	0.0020 J	<0.0010	0.0860	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	0.0020 J
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0100	<0.0100	<0.0060	<0.0120	<0.0100	<0.0100	<0.0110
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.00060	0.0030 J	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.00060	<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.1100	<0.1400	<0.1200	<0.1200	<0.1200	<1.2000
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9200	<0.9500	<1.1000	<0.9600	<0.9700	<0.9600	<9.7000
1-Naphthylamine	134-32-7	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3300	<0.3400	<0.4100	<0.3500	<0.3500	<0.3500	<3.5000
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0080	<0.0090	<0.0080	<0.0080	<0.0080	<0.0810
2-Chlorophenol	95-57-8	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	<0.0050	<0.0040	<0.0040	<0.0040	<0.0390
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Naphthylamine	91-59-8	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
2-Nitroaniline	88-74-4	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
2-Nitrophenol	88-75-5	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
			Field Sample ID	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
			Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1100	<0.1100	<0.1400	<0.1200	<0.1200	<0.1200	<1.2000
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.1100	<0.1400	<0.1200	<0.1200	<0.1200	<1.2000
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.5500	<0.5700	<0.6800	<0.5800	<0.5800	<0.5800	<5.8000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
3-Nitroaniline	99-09-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
4-Aminobiphenyl	92-67-1	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Chloroaniline	106-47-8	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
4-Nitroaniline	100-01-6	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
4-Nitrophenol	100-02-7	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3700	<0.3800	<0.4500	<0.3800	<0.3900	<0.3800	<3.9000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Acenaphthene	83-32-9	MG/KG		0.0050 J	<0.0040	<0.0050	<0.0040	0.0170 J	<0.0040	<0.0390
Acenaphthylene	208-96-8	MG/KG		<0.0040	<0.0040	<0.0050	<0.0040	0.0050 J	<0.0040	<0.0390
Acetophenone	98-86-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Aniline	62-53-3	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
Anthracene	120-12-7	MG/KG		0.0090 J	<0.0040	<0.0050	<0.0040	0.0440	0.0040 J	<0.0390
Benzo(A)Anthracene	56-55-3	MG/KG		0.0460	<0.0040	<0.0050	0.0100 J	0.1500	0.0110 J	0.0860 J
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.0720	<0.0040	<0.0050	0.0160 J	0.2200	0.0190 J	0.1600 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.0380	<0.0040	<0.0050	0.0090 J	0.1100	0.0100 J	0.1200 J
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0250	<0.0040	<0.0050	0.0080 J	0.0780	0.0080 J	0.0520 J
Benzo[A]Pyrene	50-32-8	MG/KG		0.0490	<0.0040	<0.0050	0.0100 J	0.1400	0.0130 J	0.1300 J
Benzyl Alcohol	100-51-6	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Chlorobenzilate	510-15-6	MG/KG		<0.0370	<0.0380	<0.0450	<0.0380	<0.0390	<0.0380	<0.3900
Chrysene	218-01-9	MG/KG		0.0430	<0.0040	<0.0050	0.0130 J	0.1500	0.0120 J	0.0830 J
Diallate	2303-16-4	MG/KG		<0.0370	<0.0380	<0.0450	<0.0380	<0.0390	<0.0380	<0.3900
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.0110 J	<0.0040	<0.0050	<0.0040	0.0310	<0.0040	<0.0390
Dibenzofuran	132-64-9	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Diethyl Phthalate	84-66-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Dimethyl Phthalate	131-11-3	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
			Field Sample ID	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
			Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Fluoranthene	206-44-0	MG/KG		0.0880	<0.0040	<0.0050	0.0230	0.3200	0.0220	0.0900 J
Fluorene	86-73-7	MG/KG		0.0040 J	<0.0040	<0.0050	<0.0040	0.0170 J	<0.0040	<0.0390
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0050	<0.0040	<0.0040	<0.0040	<0.0390
Hexachlorobutadiene	87-68-3	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000
Hexachloroethane	67-72-1	MG/KG		<0.0370	<0.0380	<0.0450	<0.0380	<0.0390	<0.0380	<0.3900
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.1100	<0.1400	<0.1200	<0.1200	<0.1200	<1.2000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.0350	<0.0040	<0.0050	0.0080 J	0.1000	0.0100 J	0.1000 J
Isodrin	465-73-6	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Isophorone	78-59-1	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Isosafrole	120-58-1	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Methapyrilene	91-80-5	MG/KG		<1.8000 UJ	<1.9000 UJ	<2.3000 UJ	<1.9000 UJ	<1.9000 UJ	<1.9000 UJ	<19.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0370	<0.0380	<0.0450	<0.0380	<0.0390	<0.0380	<0.3900
Naphthalene	91-20-3	MG/KG		<0.0040	<0.0040	<0.0050	<0.0040	0.0040 J	<0.0040	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Nitrobenzene	98-95-3	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
O-Toluidine	95-53-4	MG/KG		<0.2200	<0.2300	<0.2700	<0.2300	<0.2300	<0.2300	<2.3000
para-Phenylenediamine	106-50-3	MG/KG		<13.0000	<13.0000	<16.0000	<13.0000	<14.0000	<13.0000	<140.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Pentachlorophenol	87-86-5	MG/KG		<0.0370	<0.0380	<0.0450	<0.0380	<0.0390	<0.0380	<0.3900
Phenacetin	62-44-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Phenanthrene	85-01-8	MG/KG		0.0450	<0.0040	<0.0050	0.0080 J	0.1800	0.0130 J	<0.0390
Phenol	108-95-2	MG/KG		<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.1900
Pronamide	23950-58-5	MG/KG		<0.0370 UJ	<0.0380 UJ	<0.0450 UJ	<0.0380 UJ	<0.0390 UJ	<0.0380 UJ	<0.3900
Pyrene	129-00-0	MG/KG		0.0760	<0.0040	<0.0050	0.0230	0.2600	0.0190 J	0.1000 J
Pyridine	110-86-1	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Safrole	94-59-7	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Thionazin	297-97-2	MG/KG		<0.0740	<0.0760	<0.0900	<0.0770	<0.0770	<0.0770	<0.7700
Dimethoate	60-51-5	MG/KG		<0.1800	<0.1900	<0.2300	<0.1900	<0.1900	<0.1900	<1.9000

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1
			Field Sample ID	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1
			Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/11/2014	12/10/2014	12/03/2014
			Start Depth - End Depth							
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Polychlorinated Biphenyls</i>										
PCB 1016	12674-11-2	MG/KG								
PCB 1221	11104-28-2	MG/KG								
PCB 1232	11141-16-5	MG/KG								
PCB 1242	53469-21-9	MG/KG								
PCB 1248	12672-29-6	MG/KG								
PCB 1254	11097-69-1	MG/KG								
PCB 1260	11096-82-5	MG/KG								
<i>Dowtherm</i>										
Biphenyl	92-52-4	MG/KG	<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.0190	0.2200 J
Diphenyl Ether	101-84-8	MG/KG	<0.0180	<0.0190	<0.0230	<0.0190	<0.0190	<0.0190	<0.0190	0.4500
<i>Glycols</i>										
Ethylene Glycol	107-21-1	MG/KG	<5.6000	<5.8000	<6.8000	<5.8000	<5.8000	<5.8000	<5.8000	<5.8000
Diethylene Glycol	111-46-6	MG/KG	<5.6000	<5.8000	<6.8000	<5.8000	<5.8000	<5.8000	<5.8000	<5.8000
Propylene Glycol	57-55-6	MG/KG	<5.6000	<5.8000	<6.8000	<5.8000	<5.8000	<5.8000	<5.8000	<5.8000
Triethylene Glycol	112-27-6	MG/KG	<5.6000	<5.8000	<6.8000	<5.8000	<5.8000	<5.8000	<5.8000	<5.8000
<i>Inorganics</i>										
Antimony	7440-36-0	MG/KG	0.294 J	0.310 J	0.225 J	0.371 J	<0.0952 UJ	0.100 J	2.39	
Arsenic	7440-38-2	MG/KG	1.56 J	1.64 J	2.05 J	1.71 J	0.756 J	0.946	1.94 J	
Barium	7440-39-3	MG/KG	35.0	17.1	41.3	62.5	43.3	42.7	37.4	
Beryllium	7440-41-7	MG/KG	0.611 J	0.662 J	1.15 J	1.15	0.876 J	0.877 J	1.21	
Cadmium	7440-43-9	MG/KG	0.121 J	0.0798 J	0.0703 J	0.185 J	0.0789 J	0.119 J	<0.0377	
Chromium	7440-47-3	MG/KG	5.33	3.24 J	4.22	5.18	2.01 J	1.95 J	6.42	
Cobalt	7440-48-4	MG/KG	2.46	0.974 J	2.71	3.64	1.45	1.04 J	2.65	
Copper	7440-50-8	MG/KG	4.58	2.26	3.12	3.41	3.10	2.91	3.83 J	
Lead	7439-92-1	MG/KG	11.4 J	10.7 J	14.9 J	15.1 J	9.43 J	12.0 J	18.3 J	
Mercury	7439-97-6	MG/KG	0.0129 J	0.0222 J	0.0216 J	0.0254 J	0.0173 J	0.0169 J	0.0362 J	
Nickel	7440-02-0	MG/KG	65.2	25.1	13.9	18.9	13.2	16.5	20.5	
Selenium	7782-49-2	MG/KG	0.180 J	0.321 J	0.350 J	0.327 J	0.242 J	0.220 J	0.362 J	
Silver	7440-22-4	MG/KG	<0.208	<0.210	<0.252	<0.215	<0.214	<0.214	<0.217	
Thallium	7440-28-0	MG/KG	0.213 J	0.164 J	0.274 J	0.255 J	0.145 J	0.167 J	0.277 J	
Tin	7440-31-5	MG/KG	2.98 B	3.23 B	3.71 B	3.27 B	3.20 B	3.25 B	3.54 B	
Vanadium	7440-62-2	MG/KG	12.4	8.18	9.43	18.2	8.73	7.26	17.2	
Zinc	7440-66-6	MG/KG	18.7	13.6	13.9	27.5	18.2	15.2	31.2 J	
Percent Moisture	EVS0198	%	10.6 J	13.2 J	26.8 J	14.4 J	13.9 J	13.7 J	14.1	

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Analyte	CAS No.	Units	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
			Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
			Date Sampled	12/03/2014	12/03/2014	12/10/2014
			Start Depth - End Depth			
			Sample Purpose	FS	FS	FS
<i>Volatile Organic Compounds</i>						
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.00090	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.00090	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.00090	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.00090	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.00090	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.00090	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.00090	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0190	<0.0190	<0.0200
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.00090	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.00090	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0190	<0.0190	<0.0200
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0190	<0.0190	<0.0200
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0370	0.0320	0.0270
Acetonitrile	75-05-8	MG/KG		<0.0250	<0.0240	<0.0250
Acrolein	107-02-8	MG/KG		<0.0200	<0.0190	<0.0200
Acrylonitrile	107-13-1	MG/KG		<0.0040	<0.0040	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.00090	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<0.00050	<0.00050
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.00090	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.00090	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.00090	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.00090	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.00090	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.00090	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.00090	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.00090	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.00090	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.00090	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.00090	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1000	<0.0950	<0.0990
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<0.0050	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<0.0040	<0.0040

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Analyte	CAS No.	Units	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
			Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
			Date Sampled	12/03/2014	12/03/2014	12/10/2014
			Start Depth - End Depth			
			Sample Purpose	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.00090	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.00090	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.00090	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0300	<0.0280	<0.0300
Styrene	100-42-5	MG/KG		<0.0010	<0.00090	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	0.0200	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.00090	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.00090	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0100	<0.0090	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.00090	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.00090	<0.0010
<i>Semivolatile Organic Compounds</i>						
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0190	0.0200 J	<0.0200
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0190	<0.0190	<0.0200
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1900	<0.1900	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0780	<0.0750	<0.0780
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1100	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9700	<0.9400	<0.9800
1-Naphthylamine	134-32-7	MG/KG		<0.1900	<0.1900	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0780	<0.0750	<0.0780
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0190	<0.0190	<0.0200
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0190	<0.0190	<0.0200
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0190	<0.0190	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0190	<0.0190	<0.0200
2,4-Dinitrophenol	51-28-5	MG/KG		<0.3500	<0.3400	<0.3500
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0780	<0.0750	<0.0780
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0190	<0.0190	<0.0200
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0190	<0.0190	<0.0200
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0780	<0.0750	<0.0780
2-Chloronaphthalene	91-58-7	MG/KG		<0.0080	<0.0080	<0.0080
2-Chlorophenol	95-57-8	MG/KG		<0.0190	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG		<0.0040	<0.0040	0.2200
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0190	<0.0190	<0.0200
2-Naphthylamine	91-59-8	MG/KG		<0.1900	<0.1900	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0190	<0.0190	<0.0200
2-Nitrophenol	88-75-5	MG/KG		<0.0190	<0.0190	<0.0200

Summary of Analytical Results - 2014 Discrete Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
			Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
			Date Sampled	12/03/2014	12/03/2014	12/10/2014
			Start Depth - End Depth			
			Sample Purpose	FS	FS	FS
2-Picoline	109-06-8	MG/KG		<0.1200	<0.1100	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1200	<0.1100	<0.1200
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.5800	<0.5700	<0.5900
3-Methylcholanthrene	56-49-5	MG/KG		<0.0190	<0.0190	<0.0200
3-Nitroaniline	99-09-2	MG/KG		<0.0780	<0.0750	<0.0780
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1900	<0.1900	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.1900	<0.1900	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0190	<0.0190	<0.0200
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0190	<0.0190	<0.0200
4-Chloroaniline	106-47-8	MG/KG		<0.0190	<0.0190	<0.0200
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0190	<0.0190	<0.0200
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0780	<0.0750	<0.0780
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0190	<0.0190	<0.0200
4-Nitroaniline	100-01-6	MG/KG		<0.0780	<0.0750	<0.0780
4-Nitrophenol	100-02-7	MG/KG		<0.1900	<0.1900	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3900	<0.3800	<0.3900
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1900	<0.1900	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0190	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG		0.0080 J	0.0040 J	0.0070 J
Acenaphthylene	208-96-8	MG/KG		0.0050 J	0.0290	<0.0040
Acetophenone	98-86-2	MG/KG		<0.0190	<0.0190	<0.0200
Aniline	62-53-3	MG/KG		<0.1900	<0.1900	<0.2000
Anthracene	120-12-7	MG/KG		0.0160 J	0.0240	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG		0.0700	0.1900	0.0070 J
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.1100	0.2500	0.0090 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.0630	0.1300	0.0070 J
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0420	0.1000	0.0070 J
Benzo[A]Pyrene	50-32-8	MG/KG		0.0790	0.1700	0.0070 J
Benzyl Alcohol	100-51-6	MG/KG		<0.1900	<0.1900	<0.2000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0190	<0.0190	<0.0200
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0190	<0.0190	<0.0200
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0190	<0.0190	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0780	<0.0750	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0780	<0.0750	<0.0780
Chlorobenzilate	510-15-6	MG/KG		<0.0390	<0.0380	<0.0390
Chrysene	218-01-9	MG/KG		0.0750	0.1800	0.0090 J
Diallate	2303-16-4	MG/KG		<0.0390	<0.0380	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG		0.0150 J	0.0360	<0.0040
Dibenzofuran	132-64-9	MG/KG		<0.0190	<0.0190	<0.0200
Diethyl Phthalate	84-66-2	MG/KG		<0.0780	<0.0750	<0.0780
Dimethyl Phthalate	131-11-3	MG/KG		<0.0780	<0.0750	<0.0780
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0780	<0.0750	<0.0780

Summary of Analytical Results - 2014 Discrete Soil
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Analyte	CAS No.	Units	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
			Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
			Date Sampled	12/03/2014	12/03/2014	12/10/2014
			Start Depth - End Depth			
			Sample Purpose	FS	FS	FS
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0780	<0.0750	<0.0780
Fluoranthene	206-44-0	MG/KG		0.1400	0.2200	0.0070 J
Fluorene	86-73-7	MG/KG		0.0090 J	0.0080 J	0.0060 J
Hexachlorobenzene	118-74-1	MG/KG		<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0190	<0.0190	<0.0200
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1900	<0.1900	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0390	<0.0380	<0.0390
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1100	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.0550	0.1200	0.0060 J
Isodrin	465-73-6	MG/KG		<0.0190	<0.0190	<0.0200
Isophorone	78-59-1	MG/KG		<0.0190	<0.0190	<0.0200
Isosafrole	120-58-1	MG/KG		<0.0780	<0.0750	<0.0780
Methapyrilene	91-80-5	MG/KG		<1.9000	<1.9000	<2.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0390	<0.0380	<0.0390
Naphthalene	91-20-3	MG/KG		<0.0040	0.0160 J	0.0450
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0780	<0.0750	<0.0780
Nitrobenzene	98-95-3	MG/KG		<0.0190	<0.0190	<0.0200
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0780	<0.0750	<0.0780
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0190	<0.0190	<0.0200
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0780	<0.0750	<0.0780
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0780	<0.0750	<0.0780
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0190	<0.0190	<0.0200
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0190	<0.0190	<0.0200
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0780	<0.0750	<0.0780
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0190	<0.0190	<0.0200
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0190	<0.0190	<0.0200
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0780	<0.0750	<0.0780
O-Toluidine	95-53-4	MG/KG		<0.2300	<0.2300	<0.2300
para-Phenylenediamine	106-50-3	MG/KG		<14.0000	<13.0000	<14.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0190	<0.0190	<0.0200
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0780	<0.0750	<0.0780
Pentachlorophenol	87-86-5	MG/KG		<0.0390	<0.0380	<0.0390
Phenacetin	62-44-2	MG/KG		<0.0780	<0.0750	<0.0780
Phenanthrene	85-01-8	MG/KG		0.0660	0.0520	0.0170 J
Phenol	108-95-2	MG/KG		<0.0190	<0.0190	<0.0200
Pronamide	23950-58-5	MG/KG		<0.0390	<0.0380	<0.0390
Pyrene	129-00-0	MG/KG		0.1100	0.2300	0.0110 J
Pyridine	110-86-1	MG/KG		<0.0780	<0.0750	<0.0780
Safrole	94-59-7	MG/KG		<0.0780	<0.0750	<0.0780
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0780	<0.0750	<0.0780
Thionazin	297-97-2	MG/KG		<0.0780	<0.0750	<0.0780
Dimethoate	60-51-5	MG/KG		<0.1900	<0.1900	<0.2000

Summary of Analytical Results - 2014 Discrete Soil
Former DuPont Brevard Facility
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Analyte	CAS No.	Units	Location ID	SWMU19-SS-2	SWMU19-SS-3	SWMU2C-SBS-1
			Field Sample ID	SSP14-SWMU19-SS-2	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
			Date Sampled	12/03/2014	12/03/2014	12/10/2014
			Start Depth - End Depth			
			Sample Purpose	FS	FS	FS
<i>Polychlorinated Biphenyls</i>						
PCB 1016	12674-11-2	MG/KG				
PCB 1221	11104-28-2	MG/KG				
PCB 1232	11141-16-5	MG/KG				
PCB 1242	53469-21-9	MG/KG				
PCB 1248	12672-29-6	MG/KG				
PCB 1254	11097-69-1	MG/KG				
PCB 1260	11096-82-5	MG/KG				
<i>Dowtherm</i>						
Biphenyl	92-52-4	MG/KG		0.0380 J	0.0800	<0.0200
Diphenyl Ether	101-84-8	MG/KG		0.0940	0.0640	<0.0200
<i>Glycols</i>						
Ethylene Glycol	107-21-1	MG/KG		<5.8000	<5.7000	<5.9000
Diethylene Glycol	111-46-6	MG/KG		<5.8000	<5.7000	<5.9000
Propylene Glycol	57-55-6	MG/KG		<5.8000	<5.7000	<5.9000
Triethylene Glycol	112-27-6	MG/KG		<5.8000	<5.7000	<5.9000
<i>Inorganics</i>						
Antimony	7440-36-0	MG/KG		0.705 J	1.02 J	<0.0959 UJ
Arsenic	7440-38-2	MG/KG		0.928	1.41	1.34
Barium	7440-39-3	MG/KG		38.7	39.4	45.9
Beryllium	7440-41-7	MG/KG		0.842 J	1.30	1.00 J
Cadmium	7440-43-9	MG/KG		<0.0371	<0.0364	0.123 J
Chromium	7440-47-3	MG/KG		4.97	5.93	6.40
Cobalt	7440-48-4	MG/KG		2.06	2.99	2.09
Copper	7440-50-8	MG/KG		2.67	3.53	5.34
Lead	7439-92-1	MG/KG		12.6	16.3	16.5 J
Mercury	7439-97-6	MG/KG		0.0254 J	0.0313 J	0.0205 J
Nickel	7440-02-0	MG/KG		16.8	59.0	3.97
Selenium	7782-49-2	MG/KG		0.197 J	0.288 J	0.251 J
Silver	7440-22-4	MG/KG		0.858 J	0.520 J	<0.216
Thallium	7440-28-0	MG/KG		0.204 J	0.294	0.307
Tin	7440-31-5	MG/KG		3.08 B	3.65 B	3.17 B
Vanadium	7440-62-2	MG/KG		10.3	14.9	11.6
Zinc	7440-66-6	MG/KG		25.2 J	32.8 J	26.2
Percent Moisture	EVS0198	%		14.4	11.9	15.4

Summary of Analytical Results - 2014 ISM Results, DU-1

Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID		DU-1A			DU-1B			DU-1C			DU-1										
Date Sampled		11/05/2014			11/07/2014			11/10/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
Number of Increments		31			31			31									Student's T	Chebyshev			
Parameter Name	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Acenaphthene	UG/KG	6	Y	J	2	N		2	N		3.3	2.3	12.9	3.9	1.3	High	7.2	9.1	100.0	0.0	9.1
Acenaphthylene	UG/KG	8	Y	J	7	Y	J	2	N		5.7	3.2	17.9	3.2	1.9	High	11.1	13.8	13.3	111.1	13.8
Anthracene	UG/KG	9	Y	J	5	Y	J	6	Y	J	6.7	2.1	11.6	1.7	1.2	Medium	10.2	11.9	57.1	-18.2	11.9
Benzo(A)Anthracene	UG/KG	27	Y		25	Y		25	Y		25.7	1.2	6.4	0.3	0.7	Low	27.6	28.6	7.7	0.0	27.6
Benzo(B)Fluoranthene	UG/KG	37	Y		41	Y		39	Y		39.0	2.0	11.1	0.3	1.2	Low	42.4	44.0	-10.3	5.0	42.4
Benzo(G,H,I)Perylene	UG/KG	27	Y		19	Y	J	20	Y		22.0	4.4	24.3	1.1	2.5	Low	29.3	33.0	34.8	-5.1	29.3
Benzo(K)Fluoranthene	UG/KG	14	Y	J	15	Y	J	15	Y	J	14.7	0.6	3.2	0.2	0.3	Low	15.6	16.1	-6.9	0.0	15.6
Benzo(A)Pyrene	UG/KG	21	Y		23	Y		26	Y		23.3	2.5	14.0	0.6	1.5	Low	27.6	29.7	-9.1	-12.2	27.6
Chrysene	UG/KG	30	Y		33	Y		29	Y		30.7	2.1	11.6	0.4	1.2	Low	34.2	35.9	-9.5	12.9	34.2
Dibenz(A,H)Anthracene	UG/KG	7	Y	J	8	Y	J	9	Y	J	8.0	1.0	5.6	0.7	0.6	Low	9.7	10.5	-13.3	-11.8	9.7
Fluoranthene	UG/KG	46	Y		51	Y		42	Y		46.3	4.5	25.1	0.5	2.6	Low	53.9	57.7	-10.3	19.4	53.9
Fluorene	UG/KG	2	N		2	N		4	Y	J	2.7	1.2	6.4	2.4	0.7	Medium	4.6	5.6	0.0	-66.7	5.6
Indeno (1,2,3-CD) Pyrene	UG/KG	19	Y	J	13	Y	J	15	Y	J	15.7	3.1	17.0	1.1	1.8	Low	20.8	23.4	37.5	-14.3	20.8
Naphthalene	UG/KG	2	N		2	N		7	Y	J	3.7	2.9	16.1	4.4	1.7	High	8.5	10.9	0.0	-111.1	10.9
Phenanthrene	UG/KG	28	Y		27	Y		30	Y		28.3	1.5	8.5	0.3	0.9	Low	30.9	32.2	3.6	-10.5	30.9
Pyrene	UG/KG	44	Y		49	Y		38	Y		43.7	5.5	30.7	0.7	3.2	Low	53.0	57.5	-10.8	25.3	53.0
Arsenic	MG/KG	1.67	Y		2.02	Y		1.9	Y		1.9	0.2	1.0	0.5	0.1	Low	2.2	2.3	-19.0	6.1	2.2
Barium	MG/KG	36.2	Y		29.6	Y		30.6	Y		32.1	3.6	19.8	0.6	2.1	Low	38.1	41.1	20.1	-3.3	38.1
Beryllium	MG/KG	1.01	Y	J	0.787	Y	J	0.832	Y	J	0.9	0.1	0.7	0.7	0.1	Low	1.1	1.2	24.8	-5.6	1.1
Chromium	MG/KG	5.17	Y		5.54	Y		5.98	Y		5.6	0.4	2.3	0.4	0.2	Low	6.2	6.6	-6.9	-7.6	6.2
Cobalt	MG/KG	1.9	Y		1.77	Y		1.9	Y		1.9	0.1	0.4	0.2	0.0	Low	2.0	2.0	7.1	-7.1	2.0
Copper	MG/KG	4.74	Y		4.95	Y		4.35	Y		4.7	0.3	1.7	0.4	0.2	Low	5.2	5.4	-4.3	12.9	5.2
Lead	MG/KG	14.3	Y		14.5	Y		12.2	Y		13.7	1.3	7.1	0.5	0.7	Low	15.8	16.9	-1.4	17.2	15.8
Mercury	MG/KG	0.0219	Y	J	0.0282	Y	J	0.0266	Y	J	0.0256	0.0033	0.0182	0.7131	0.0019	Low	0.0311	0.0338	-25.1	5.8	0.0311
Nickel	MG/KG	12	Y	J	14.6	Y	J	12.1	Y	J	12.9	1.5	8.2	0.6	0.9	Low	15.4	16.6	-19.5	18.7	15.4
Selenium	MG/KG	0.234	Y	J	0.328	Y	J	0.345	Y	J	0.3	0.1	0.3	1.1	0.0	Low	0.4	0.5	-33.5	-5.1	0.4
Thallium	MG/KG	0.22	Y	J	0.223	Y	J	0.196	Y	J	0.2	0.0	0.1	0.4	0.0	Low	0.2	0.3	-1.4	12.9	0.2
Tin	MG/KG	2.55	Y	B	2.5	Y	B	2.43	Y	B	2.5	0.1	0.3	0.1	0.0	Low	2.6	2.6	2.0	2.8	2.6
Vanadium	MG/KG	14.1	Y		15.5	Y		16.1	Y		15.2	1.0	5.7	0.4	0.6	Low	17.0	17.8	-9.5	-3.8	17.0
Zinc	MG/KG	25.9	Y		25.8	Y		24.4	Y		25.4	0.8	4.7	0.2	0.5	Low	26.8	27.5	0.4	5.6	26.8

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-2
Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID	DU-2A			DU-2B			DU-2C			DU-2											
	Date Sampled	11/12/2014			11/13/2014			11/18/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments	49			49			49									Student's T	Chebyshev			
	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Parameter Name	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Low Dispersion (Error)	Medium to High Dispersion										
Xylenes	UG/KG	29.5	N		150	Y	J	32.5	N		70.7	68.7	481.0	6.8	39.7	High	186.5	243.6	-134.3	128.8	243.6
2-Methylnaphthalene	UG/KG	12	Y	J	2	N		7	Y	J	7.0	5.0	35.0	5.0	2.9	High	15.4	19.6	142.9	-111.1	19.6
Acenaphthene	UG/KG	62	Y		10	Y	J	58	Y		43.3	28.9	202.6	4.7	16.7	High	92.1	116.2	144.4	-141.2	116.2
Acenaphthylene	UG/KG	17	Y	J	2	N		14	Y	J	11.0	7.9	55.6	5.1	4.6	High	24.4	31.0	157.9	-150.0	31.0
Anthracene	UG/KG	190	Y		32	Y		230	Y		150.7	104.7	732.9	4.9	60.4	High	327.2	414.1	142.3	-151.1	414.1
Benzo(A)Anthracene	UG/KG	620	Y		110	Y		690	Y		473.3	316.6	2216.2	4.7	182.8	High	1007.1	1270.1	139.7	-145.0	1,270.1
Benzo(B)Fluoranthene	UG/KG	780	Y		120	Y		840	Y		580.0	399.5	2796.5	4.8	230.7	High	1253.5	1585.4	146.7	-150.0	1,585.4
Benzo(G,H,I)Perylene	UG/KG	410	Y		80	Y		390	Y		293.3	185.0	1295.2	4.4	106.8	High	605.3	759.0	134.7	-131.9	759.0
Benzo(K)Fluoranthene	UG/KG	260	Y		64	Y		320	Y		214.7	133.9	937.2	4.4	77.3	High	440.4	551.6	121.0	-133.3	551.6
Benzo(A)Pyrene	UG/KG	610	Y		110	Y		640	Y		453.3	297.7	2084.0	4.6	171.9	High	955.2	1202.6	138.9	-141.3	1,202.6
Chrysene	UG/KG	590	Y		110	Y		660	Y		453.3	299.4	2095.7	4.6	172.9	High	958.1	1206.8	137.1	-142.9	1,206.8
Dibenz(A,H)Anthracene	UG/KG	85	Y		22	Y		86	Y		64.3	36.7	256.7	4.0	21.2	High	126.1	156.6	117.8	-118.5	156.6
Dibenzofuran	UG/KG	29	Y	J	9.5	N		33	Y	J	23.8	12.6	88.0	3.7	7.3	High	45.0	55.5	101.3	-110.6	55.5
Diphenyl Ether	UG/KG	9.5	N		21	Y	J	25	Y	J	18.5	8.0	56.3	3.0	4.6	High	32.1	38.8	-75.4	-17.4	38.8
Fluoranthene	UG/KG	1200	Y		210	Y		1400	Y		936.7	637.2	4460.5	4.8	367.9	High	2010.9	2540.3	140.4	-147.8	2,540.3
Fluorene	UG/KG	70	Y		12	Y	J	57	Y		46.3	30.4	213.1	4.6	17.6	High	97.6	122.9	141.5	-130.4	122.9
Indeno (1,2,3-CD) Pyrene	UG/KG	350	Y		68	Y		390	Y		269.3	175.5	1228.5	4.6	101.3	High	565.2	711.0	134.9	-140.6	711.0
Naphthalene	UG/KG	28	Y		10	Y	J	8	Y	J	15.3	11.0	77.1	5.0	6.4	High	33.9	43.1	94.7	22.2	43.1
Phenanthrene	UG/KG	660	Y		120	Y		850	Y		543.3	378.7	2651.1	4.9	218.7	High	1181.8	1496.4	138.5	-150.5	1,496.4
Pyrene	UG/KG	1000	Y		180	Y		1200	Y		793.3	540.5	3783.5	4.8	312.1	High	1704.5	2153.5	139.0	-147.8	2,153.5
PCB 1254	UG/KG	20	Y		9.5	N		1.95	N		10.5	9.1	63.5	6.1	5.2	High	25.8	33.3	71.2	131.9	33.3
Antimony	MG/KG	0.191	Y	J	0.107	Y	J	0.149	Y	J	0.1	0.0	0.3	2.0	0.0	Medium	0.2	0.3	56.4	-32.8	0.3
Arsenic	MG/KG	1.51	Y		1.53	Y		1.85	Y		1.6	0.2	1.3	0.8	0.1	Low	2.0	2.1	-1.3	-18.9	2.0
Barium	MG/KG	55	Y		60.8	Y		65.1	Y	J	60.3	5.1	35.5	0.6	2.9	Low	68.8	73.1	-10.0	-6.8	68.8
Beryllium	MG/KG	1.04	Y	J	1.09	Y	J	1.24	Y		1.1	0.1	0.7	0.6	0.1	Low	1.3	1.4	-4.7	-12.9	1.3
Cadmium	MG/KG	0.0181	N		0.0183	N		0.207	Y	J	0.1	0.1	0.8	9.4	0.1	High	0.3	0.4	-1.1	-167.5	0.4
Chromium	MG/KG	6.14	Y		6.74	Y		11	Y	J	8.0	2.6	18.5	2.3	1.5	Medium	12.4	14.6	-9.3	-48.0	14.6
Cobalt	MG/KG	3.56	Y		3.62	Y		3.81	Y		3.7	0.1	0.9	0.2	0.1	Low	3.9	4.0	-1.7	-5.1	3.9
Copper	MG/KG	7.64	Y		6.66	Y		6.89	Y		7.1	0.5	3.6	0.5	0.3	Low	7.9	8.4	13.7	-3.4	7.9
Lead	MG/KG	14.6	Y		14.7	Y		13.7	Y		14.3	0.6	3.9	0.3	0.3	Low	15.3	15.7	-0.7	7.0	15.3
Mercury	MG/KG	0.0211	Y	J	0.0162	Y	J	0.0204	Y	J	0.0192	0.0027	0.0186	0.9645	0.0015	Low	0.0237	0.0259	26.3	-23.0	0.0237
Nickel	MG/KG	21.1	Y	J	32.9	Y	J	22	Y	J	25.3	6.6	46.0	1.8	3.8	Medium	36.4	41.9	-43.7	39.7	41.9
Selenium	MG/KG	0.209	Y	J	0.198	Y	J	0.057	N		0.2	0.1	0.6	3.8	0.0	High	0.3	0.4	5.4	110.6	0.4
Silver	MG/KG	4.85	Y		1.17	Y		3.39	Y	J	3.1	1.9	13.0	4.1	1.1	High	6.3	7.8	122.3	-97.4	7.8
Thallium	MG/KG	0.295	Y		0.299	Y		0.308	Y		0.3	0.0	0.0	0.2	0.0	Low	0.3	0.3	-1.3	-3.0	0.3
Tin	MG/KG	2.44	Y	B	2.4	Y	B	2.9	Y	B	2.6	0.3	1.9	0.8	0.2	Low	3.0	3.3	1.7	-18.9	3.0
Vanadium	MG/KG	18	Y		19.1	Y		20.9	Y		19.3	1.5	10.2	0.5	0.8	Low	21.8	23.0	-5.9	-9.0	21.8
Zinc	MG/KG	41.5	Y		37.2	Y		42.4	Y	J	40.4	2.8	19.5	0.5	1.6	Low	45.1	47.4	10.9	-13.1	45.1

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-3
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Units	DU-3A			DU-3B			DU-3C			DU-3										
		11/19/2014			11/19/2014			11/20/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
		23			23			23									Student's T	Chebyshev			
		Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Trichlorofluoromethane	UG/KG	200	Y	J	210	Y	J	100	Y	J	170.0	60.8	291.7	1.7	35.1	Medium	272.5	323.1	-4.9	71.0	323.1
2-Methylnaphthalene	UG/KG	41	Y		52	Y		52	Y		48.3	6.4	30.5	0.6	3.7	Low	59.0	64.3	-23.7	0.0	59.0
Acenaphthene	UG/KG	200	Y		260	Y		310	Y		256.7	55.1	264.1	1.0	31.8	Low	349.5	395.3	-26.1	-17.5	349.5
Acenaphthylene	UG/KG	110	Y		230	Y		71	Y		137.0	82.9	397.4	2.9	47.8	Medium	276.7	345.5	-70.6	105.6	345.5
Anthracene	UG/KG	540	Y		870	Y		740	Y		716.7	166.2	797.2	1.1	96.0	Low	996.9	1135.0	-46.8	16.1	996.9
Benzo(A)Anthracene	UG/KG	2100	Y		2700	Y		2000	Y		2266.7	378.6	1815.7	0.8	218.6	Low	2904.9	3219.4	-25.0	29.8	2,904.9
Benzo(B)Fluoranthene	UG/KG	2400	Y		3400	Y		2500	Y		2766.7	550.8	2641.3	1.0	318.0	Low	3695.2	4152.7	-34.5	30.5	3,695.2
Benzo(G,H,I)Perylene	UG/KG	1200	Y		1600	Y		920	Y		1240.0	341.8	1639.0	1.3	197.3	Low	1816.2	2100.1	-28.6	54.0	1,816.2
Benzo(K)Fluoranthene	UG/KG	900	Y		1300	Y		790	Y		996.7	268.4	1287.2	1.3	155.0	Low	1449.1	1672.1	-36.4	48.8	1,449.1
Benzo(A)Pyrene	UG/KG	1800	Y		2500	Y		1700	Y		2000.0	435.9	2090.5	1.0	251.7	Low	2734.8	3097.0	-32.6	38.1	2,734.8
Biphenyl	UG/KG	26	Y	J	81	Y		29	Y	J	45.3	30.9	148.3	3.3	17.9	High	97.5	123.2	-102.8	94.5	123.2
Bis(2-Ethylhexyl)Phthalate	UG/KG	170	Y	J	180	Y	J	110	Y	J	153.3	37.9	181.6	1.2	21.9	Low	217.2	248.6	-5.7	48.3	217.2
Chrysene	UG/KG	1800	Y		2600	Y		1900	Y		2100.0	435.9	2090.5	1.0	251.7	Low	2834.8	3197.0	-36.4	31.1	2,834.8
Dibenz(A,H)Anthracene	UG/KG	270	Y		390	Y		290	Y		316.7	64.3	308.3	1.0	37.1	Low	425.1	478.5	-36.4	29.4	425.1
Dibenzofuran	UG/KG	91	Y		140	Y		160	Y		130.3	35.5	170.3	1.3	20.5	Low	190.2	219.7	-42.4	-13.3	190.2
Diphenyl Ether	UG/KG	60	Y		180	Y		40	Y		93.3	75.7	363.1	3.9	43.7	High	221.0	283.9	-100.0	127.3	283.9
Fluoranthene	UG/KG	3700	Y		5300	Y		4100	Y		4366.7	832.7	3993.3	0.9	480.7	Low	5770.4	6462.2	-35.6	25.5	5,770.4
Fluorene	UG/KG	210	Y		390	Y		350	Y		316.7	94.5	453.3	1.4	54.6	Low	476.0	554.5	-60.0	10.8	476.0
Indeno (1,2,3-CD) Pyrene	UG/KG	1000	Y		1500	Y		1000	Y		1166.7	288.7	1384.4	1.2	166.7	Low	1653.3	1893.1	-40.0	40.0	1,653.3
Naphthalene	UG/KG	120	Y		120	Y		120	Y		120.0	0.0	0.0	0.0	0.0	Low	120.0	120.0	0.0	0.0	120.0
Phenanthrene	UG/KG	1900	Y		3200	Y		2800	Y		2633.3	665.8	3193.2	1.2	384.4	Low	3755.8	4309.0	-51.0	13.3	3,755.8
Pyrene	UG/KG	3100	Y		4200	Y		3200	Y		3500.0	608.3	2917.2	0.8	351.2	Low	4525.5	5030.8	-30.1	27.0	4,525.5
PCB 1254	UG/KG	160	Y		190	Y		66	Y		138.7	64.7	310.3	2.2	37.4	Medium	247.7	301.5	-17.1	96.9	301.5
Antimony	MG/KG	0.465	Y	J	0.812	Y	J	0.379	Y	J	0.6	0.2	1.1	2.0	0.1	Medium	0.9	1.1	-54.3	72.7	1.1
Arsenic	MG/KG	2.81	Y		2.33	Y		2.1	Y		2.4	0.4	1.7	0.7	0.2	Low	3.0	3.3	18.7	10.4	3.0
Barium	MG/KG	60.9	Y	J	54.5	Y	J	68.3	Y	J	61.2	6.9	33.1	0.5	4.0	Low	72.9	78.6	11.1	-22.5	72.9
Beryllium	MG/KG	1.25	Y		1.12	Y	J	0.922	Y	J	1.1	0.2	0.8	0.7	0.1	Low	1.4	1.5	11.0	19.4	1.4
Cadmium	MG/KG	0.405	Y	J	0.4	Y	J	0.337	Y	J	0.4	0.0	0.2	0.5	0.0	Low	0.4	0.5	1.2	17.1	0.4
Chromium	MG/KG	9.54	Y	J	10.7	Y	J	9.93	Y	J	10.1	0.6	2.8	0.3	0.3	Low	11.1	11.5	-11.5	7.5	11.1
Cobalt	MG/KG	3.2	Y		3.27	Y		3.64	Y		3.4	0.2	1.1	0.3	0.1	Low	3.8	4.0	-2.2	-10.7	3.8
Copper	MG/KG	10	Y		13.4	Y		13	Y		12.1	1.9	8.9	0.7	1.1	Low	15.3	16.8	-29.1	3.0	15.3
Lead	MG/KG	22.2	Y		23.4	Y		18.2	Y		21.3	2.7	13.1	0.6	1.6	Low	25.9	28.1	-5.3	25.0	25.9
Mercury	MG/KG	0.265	Y	J	0.0517	Y	J	0.106	Y	J	0.1	0.1	0.5	3.8	0.1	High	0.3	0.4	134.7	-68.9	0.4
Nickel	MG/KG	34.2	Y	J	21.9	Y	J	14.9	Y	J	23.7	9.8	46.9	2.0	5.6	Medium	40.1	48.3	43.9	38.0	48.3
Selenium	MG/KG	0.228	Y	J	0.21	Y	J	0.29	Y	J	0.2	0.0	0.2	0.8	0.0	Low	0.3	0.3	8.2	-32.0	0.313
Silver	MG/KG	18.3	Y	J	10.9	Y	J	132	Y	J	53.7	67.9	325.5	6.1	39.2	High	168.2	224.6	50.7	-169.5	224.6
Thallium	MG/KG	0.325	Y		0.281	Y		0.275	Y		0.294	0.027	0.131	0.446	0.016	Low	0.340	0.362	14.5	2.2	0.3
Tin	MG/KG	2.85	Y	B	2.83	Y	B	2.58	Y	B	2.8	0.2	0.7	0.3	0.1	Low	3.0	3.1	0.7	9.2	3.0
Vanadium	MG/KG	23.4	Y		22.4	Y		24.9	Y		23.6	1.3	6.0	0.3	0.7	Low	25.7	26.7	4.4	-10.6	25.7
Zinc	MG/KG	85.6	Y	J	136	Y	J	135	Y	J	118.9	28.8	138.2	1.2	16.6	Low	167.4	191.4	-45.5	0.7	167.4

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-4
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Units	DU-4A			DU-4B			DU-4C			DU-4										
		11/21/2014			12/04/2014			12/04/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
		Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Student's T	Chebyshev			
																	Low Dispersion (Error)	Medium to High Dispersion			
1,1-Dichloroethene	UG/KG	27.5	N		30	N		70	Y	J	42.5	23.8	163.5	3.8	13.8	High	82.7	102.5	-8.7	-80.0	102.5
Trichlorofluoromethane	UG/KG	480	Y		670	Y		680	Y		610.0	112.7	772.6	1.3	65.1	Low	800.0	893.6	-33.0	-1.5	800.0
2-Methylnaphthalene	UG/KG	21	Y		47	Y		19	Y		29.0	15.6	107.1	3.7	9.0	High	55.3	68.3	-76.5	84.8	68.3
Acenaphthene	UG/KG	60	Y		200	Y		80	Y		113.3	75.7	519.1	4.6	43.7	High	241.0	303.9	-107.7	85.7	303.9
Acenaphthylene	UG/KG	62	Y		72	Y		58	Y		64.0	7.2	49.4	0.8	4.2	Low	76.2	82.1	-14.9	21.5	76.2
Acetophenone	UG/KG	27	Y	J	20	Y	J	21	Y	J	22.7	3.8	26.0	1.1	2.2	Low	29.0	32.2	29.8	-4.9	29.0
Anthracene	UG/KG	230	Y		610	Y		280	Y		373.3	206.5	1415.5	3.8	119.2	High	721.4	893.0	-90.5	74.2	893.0
Benzo(A)Anthracene	UG/KG	730	Y		1600	Y		770	Y		1033.3	491.2	3367.2	3.3	283.6	High	1861.3	2269.4	-74.7	70.0	2,269.4
Benzo(B)Fluoranthene	UG/KG	860	Y		1800	Y		950	Y		1203.3	518.7	3555.9	3.0	299.5	Medium	2077.8	2508.7	-70.7	61.8	2,508.7
Benzo(G,H,I)Perylene	UG/KG	430	Y		950	Y		500	Y		626.7	282.2	1934.6	3.1	162.9	High	1102.4	1336.8	-75.4	62.1	1,336.8
Benzo(K)Fluoranthene	UG/KG	290	Y		890	Y		370	Y		516.7	325.8	2233.4	4.3	188.1	High	1065.9	1336.5	-101.7	82.5	1,336.5
Benzo(A)Pyrene	UG/KG	640	Y		1400	Y		720	Y		920.0	417.6	2863.0	3.1	241.1	High	1624.0	1971.0	-74.5	64.2	1,971.0
Biphenyl	UG/KG	9.5	N		32	Y	J	9.5	N		17.0	13.0	89.1	5.2	7.5	High	38.9	49.7	-108.4	108.4	49.7
Bis(2-Ethylhexyl)Phthalate	UG/KG	38.5	N		78	Y	J	37.5	N		51.3	23.1	158.4	3.1	13.3	High	90.3	109.5	-67.8	70.1	109.5
Chrysene	UG/KG	700	Y		1300	Y		700	Y		900.0	346.4	2374.9	2.6	200.0	Medium	1484.0	1771.8	-60.0	60.0	1,771.8
Dibenz(A,H)Anthracene	UG/KG	98	Y		210	Y		110	Y		139.3	61.5	421.6	3.0	35.5	High	243.0	294.1	-72.7	62.5	294.1
Dibenzofuran	UG/KG	40	Y		110	Y		51	Y		67.0	37.6	258.1	3.9	21.7	High	130.5	161.7	-93.3	73.3	161.7
Dimethyl Phthalate	UG/KG	38.5	N		600	Y		99	Y	J	245.8	308.2	2112.9	8.6	177.9	High	765.4	1021.5	-175.9	143.3	1,021.5
Diphenyl Ether	UG/KG	21	Y	J	67	Y		9.5	N		32.5	30.4	208.6	6.4	17.6	High	83.8	109.1	-104.5	150.3	109.1
Fluoranthene	UG/KG	1600	Y		3100	Y		1600	Y		2100.0	866.0	5937.2	2.8	500.0	Medium	3560.0	4279.4	-63.8	63.8	4,279.4
Fluorene	UG/KG	100	Y		280	Y		130	Y		170.0	96.4	661.1	3.9	55.7	High	332.6	412.7	-94.7	73.2	412.7
Indeno (1,2,3-CD) Pyrene	UG/KG	390	Y		830	Y		470	Y		563.3	234.4	1606.8	2.9	135.3	Medium	958.5	1153.2	-72.1	55.4	1,153.2
Naphthalene	UG/KG	51	Y		110	Y		41	Y		67.3	37.3	255.6	3.8	21.5	High	130.2	161.2	-73.3	91.4	161.2
Phenanthrene	UG/KG	880	Y		2100	Y		1000	Y		1326.7	672.4	4609.8	3.5	388.2	High	2460.2	3018.9	-81.9	71.0	3,018.9
Pyrene	UG/KG	1100	Y		2500	Y		1200	Y		1600.0	781.0	5354.4	3.3	450.9	High	2916.7	3565.5	-77.8	70.3	3,565.5
PCB 1254	UG/KG	29	Y		34	Y		22	Y		28.3	6.0	41.3	1.5	3.5	Low	38.5	43.5	-15.9	42.9	38.5
PCB 1260	UG/KG	2.75	N		2.75	N		12	Y	J	5.8	5.3	36.6	6.3	3.1	High	14.8	19.3	0.0	-125.4	19.3
Antimony	MG/KG	0.281	Y	J	0.618	Y		0.413	Y	J	0.44	0.17	1.16	2.7	0.10	Medium	0.72	0.86	-75.0	39.8	0.86
Arsenic	MG/KG	1.8	Y		2.74	Y	J	2.59	Y	J	2.4	0.5	3.5	1.5	0.3	Low	3.2	3.6	-41.4	5.6	3.2
Barium	MG/KG	78.5	Y	J	93.2	Y		96.1	Y		89.3	9.4	64.7	0.7	5.4	Low	105.2	113.0	-17.1	-3.1	105.2
Beryllium	MG/KG	0.836	Y	J	0.963	Y	J	0.881	Y	J	0.9	0.1	0.4	0.5	0.0	Low	1.0	1.1	-14.1	8.9	1.0
Cadmium	MG/KG	0.297	Y	J	0.01875	N		0.0682	Y	J	0.128	0.148	1.018	8.0	0.086	High	0.4	0.5	176.2	-113.7	0.502
Chromium	MG/KG	8.5	Y	J	10	Y	J	7.16	Y	J	8.6	1.4	9.7	1.1	0.8	Low	10.9	12.1	-16.2	33.1	10.9
Cobalt	MG/KG	3.56	Y		3.87	Y		3.71	Y		3.7	0.2	1.1	0.3	0.1	Low	4.0	4.1	-8.3	4.2	4.0
Copper	MG/KG	8.81	Y		7.81	Y	J	8.57	Y	J	8.4	0.5	3.6	0.4	0.3	Low	9.3	9.7	12.0	-9.3	9.3
Lead	MG/KG	15.1	Y		21.5	Y	J	16.6	Y	J	17.7	3.3	22.9	1.3	1.9	Low	23.4	26.2	-35.0	25.7	23.4
Mercury	MG/KG	0.0261	Y	J	0.0308	Y	J	0.027	Y	J	0.028	0.002	0.017	0.6	0.001	Low	0.032	0.034	-16.5	13.1	0.032
Nickel	MG/KG	29.3	Y	J	28.8	Y		17.2	Y		25.1	6.8	46.9	1.9	4.0	Medium	36.6	42.3	1.7	50.4	42.3
Selenium	MG/KG	0.223	Y	J	0.643	Y	J	0.637	Y	J	0.5	0.2	1.7	3.3	0.1	High	0.9	1.1	-97.0	0.9	1.1
Silver	MG/KG	40.1	Y	J	26.4	Y		34.3	Y		33.6	6.9	47.1	1.4	4.0	Low	45.2	50.9	41.2	-26.0	45.2
Thallium	MG/KG	0.314	Y		0.4	Y	J	0.447	Y	J	0.387	0.067	0.462	1.2	0.039	Low	0.501	0.557	-24.1	-11.1	0.501
Tin	MG/KG	2.61	Y	B	3.49	Y	B	3.14	Y	B	3.1	0.4	3.0	1.0	0.3	Low	3.8	4.2	-28.9	10.6	3.8
Vanadium	MG/KG	22.2	Y		23.8	Y		20.4	Y		22.1	1.7	11.7	0.5	1.0	Low	25.0	26.4	-7.0	15.4	25.0
Zinc	MG/KG	239	Y	J	78.2	Y	J	79.1	Y	J	132.1	92.6	634.7	4.8	53.5	High	288.2	365.1	101.4	-1.1	365.1

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-5
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Units	DU-5A			DU-5B			DU-5C			DU-5										
		Date Sampled			Date Sampled			Date Sampled			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
		12/09/2014			12/09/2014			12/09/2014									Student's T	Chebyshev			
		Number of Increments			Number of Increments			Number of Increments									Low Dispersion (Error)	Medium to High Dispersion			
Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	
2-Methylnaphthalene	UG/KG	12	Y	J	2	N		21	Y		11.7	9.5	60.9	5.2	5.5	High	27.7	35.6	142.9	-165.2	35.6
Acenaphthene	UG/KG	30	Y		9	Y	J	66	Y		35.0	28.8	184.6	5.3	16.6	High	83.6	107.5	107.7	-152.0	107.5
Acenaphthylene	UG/KG	10	Y	J	4	Y	J	41	Y		18.3	19.9	127.2	6.9	11.5	High	51.8	68.3	85.7	-164.4	68.3
Anthracene	UG/KG	82	Y		27	Y		190	Y		99.7	82.9	531.0	5.3	47.9	High	239.5	308.4	100.9	-150.2	308.4
Benzo(A)Anthracene	UG/KG	240	Y		100	Y		560	Y		300.0	235.8	1509.8	5.0	136.1	High	697.5	893.4	82.4	-139.4	893.4
Benzo(B)Fluoranthene	UG/KG	280	Y		120	Y		680	Y		360.0	288.4	1846.9	5.1	166.5	High	846.3	1085.9	80.0	-140.0	1,085.9
Benzo(G,H,I)Perylene	UG/KG	140	Y		68	Y		320	Y		176.0	129.8	831.1	4.7	74.9	High	394.8	502.7	69.2	-129.9	502.7
Benzo(K)Fluoranthene	UG/KG	130	Y		58	Y		250	Y		146.0	97.0	621.1	4.3	56.0	High	309.5	390.1	76.6	-124.7	390.1
Benzo(A)Pyrene	UG/KG	220	Y		98	Y		510	Y		276.0	211.6	1355.1	4.9	122.2	High	632.8	808.6	76.7	-135.5	808.6
Benzyl Alcohol	UG/KG	95	N		95	N		240	Y	J	143.3	83.7	536.0	3.7	48.3	High	284.5	354.0	0.0	-86.6	354.0
Chrysene	UG/KG	210	Y		90	Y		500	Y		266.7	210.8	1349.7	5.1	121.7	High	622.0	797.1	80.0	-139.0	797.1
Dibenz(A,H)Anthracene	UG/KG	40	Y		17	Y	J	90	Y		49.0	37.3	239.0	4.9	21.5	High	111.9	142.9	80.7	-136.4	142.9
Dibenzofuran	UG/KG	20	Y	J	9.5	N		43	Y		24.2	17.1	109.7	4.5	9.9	High	53.1	67.3	71.2	-127.6	67.3
Fluoranthene	UG/KG	460	Y		190	Y		1100	Y		583.3	467.4	2992.6	5.1	269.8	High	1371.2	1759.5	83.1	-141.1	1,759.5
Fluorene	UG/KG	43	Y		9	Y	J	99	Y		50.3	45.4	291.0	5.8	26.2	High	126.9	164.7	130.8	-166.7	164.7
Indeno (1,2,3-CD) Pyrene	UG/KG	130	Y		61	Y		310	Y		167.0	128.6	823.2	4.9	74.2	High	383.7	490.5	72.3	-134.2	490.5
Naphthalene	UG/KG	25	Y		2	N		57	Y		28.0	27.6	176.9	6.3	15.9	High	74.6	97.5	170.4	-186.4	97.5
Phenanthrene	UG/KG	310	Y		100	Y		690	Y		366.7	299.1	1914.9	5.2	172.7	High	870.8	1119.3	102.4	-149.4	1,119.3
Pyrene	UG/KG	350	Y		150	Y		800	Y		433.3	332.9	2131.7	4.9	192.2	High	994.6	1271.2	80.0	-136.8	1,271.2
PCB 1254	UG/KG	1.85	N		31	Y		28	Y		20.3	16.0	102.7	5.1	9.3	High	47.3	60.6	-177.5	10.2	60.6
PCB 1260	UG/KG	18	Y	J	2.75	N		130	Y		50.3	69.5	444.9	8.9	40.1	High	167.4	225.1	147.0	-191.7	225.1
Antimony	MG/KG	0.205	Y	J	0.123	Y	J	0.116	Y	J	0.148	0.049	0.317	2.1	0.029	Medium	0.231	0.273	50.0	5.9	0.273
Arsenic	MG/KG	1.52	Y		1.52	Y		1.48	Y		1.5	0.0	0.1	0.1	0.0	Low	1.5	1.6	0.0	2.7	1.5
Barium	MG/KG	70.8	Y		70.8	Y		65.5	Y		69.0	3.1	19.6	0.3	1.8	Low	74.2	76.7	0.0	7.8	74.2
Beryllium	MG/KG	1.2	Y		1.22	Y		1.24	Y		1.2	0.0	0.1	0.1	0.0	Low	1.3	1.3	-1.7	-1.6	1.3
Cadmium	MG/KG	0.185	Y	J	0.185	Y	J	0.184	Y	J	0.185	0.001	0.004	0.0	0.000	Low	0.186	0.186	0.0	0.5	0.186
Chromium	MG/KG	8.99	Y		6.37	Y		6.5	Y		7.3	1.5	9.5	1.3	0.9	Low	9.8	11.0	34.1	-2.0	9.8
Cobalt	MG/KG	3.79	Y		3.64	Y		3.81	Y		3.7	0.1	0.6	0.2	0.1	Low	3.9	4.0	4.0	-4.6	3.9
Copper	MG/KG	8.43	Y		5.88	Y		10.3	Y		8.2	2.2	14.2	1.7	1.3	Medium	11.9	13.8	35.6	-54.6	13.8
Lead	MG/KG	17.3	Y	J	16.2	Y	J	16.5	Y	J	16.7	0.6	3.6	0.2	0.3	Low	17.6	18.1	6.6	-1.8	17.6
Mercury	MG/KG	0.0235	Y	J	0.0228	Y	J	0.0248	Y	J	0.024	0.001	0.006	0.3	0.001	Low	0.025	0.026	3.0	-8.4	0.025
Nickel	MG/KG	19.7	Y		19.2	Y		27.2	Y		22.0	4.5	28.7	1.3	2.6	Low	29.6	33.3	2.6	-34.5	29.6
Selenium	MG/KG	0.255	Y	J	0.288	Y	J	0.273	Y	J	0.272	0.017	0.106	0.4	0.010	Low	0.300	0.314	-12.2	5.3	0.300
Silver	MG/KG	1.91	Y		1.83	Y		4.68	Y		2.8	1.6	10.4	3.7	0.9	High	5.5	6.9	4.3	-87.6	6.9
Thallium	MG/KG	0.285	Y		0.321	Y		0.345	Y		0.317	0.030	0.193	0.6	0.017	Low	0.368	0.393	-11.9	-7.2	0.368
Tin	MG/KG	3.36	Y	B	3.28	Y	B	3.38	Y	B	3.3	0.1	0.3	0.1	0.0	Low	3.4	3.5	2.4	-3.0	3.4
Vanadium	MG/KG	22.8	Y		18.5	Y		17.9	Y		19.7	2.7	17.1	0.9	1.5	Low	24.2	26.5	20.8	3.3	24.2
Zinc	MG/KG	58	Y		49.2	Y		71.1	Y		59.4	11.0	70.6	1.2	6.4	Low	78.0	87.2	16.4	-36.4	78.0

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-6
Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID		DU-6A			DU-6B			DU-6C			DU-6										
Date Sampled		12/11/2014			12/11/2014			12/11/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
Number of Increments		48			48			48									Student's T	Chebyshev			
Parameter Name	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Trichlorofluoromethane	UG/KG	290	Y	J	380	Y		350	Y		340.0	45.8	317.5	0.9	26.5	Low	417.3	455.3	-26.9	8.2	417.3
Xylenes	UG/KG	32	N		29.5	N		63	Y	J	41.5	18.7	129.3	3.1	10.8	High	73.0	88.5	8.1	-72.4	88.5
2,4-Dimethylphenol	UG/KG	110	Y		9.5	N		9.5	N		43.0	58.0	402.0	9.3	33.5	High	140.8	189.0	168.2	0.0	189.0
2-Methylnaphthalene	UG/KG	2400	Y		70	Y		150	Y		873.3	1322.7	9164.2	10.5	763.7	High	3103.3	4202.1	188.7	-72.7	4,202.1
2-Methylphenol (O-Cresol)	UG/KG	96	Y		9.5	N		9.5	N		38.3	49.9	346.0	9.0	28.8	High	122.5	164.0	164.0	0.0	164.0
3-Methylcholanthrene	UG/KG	150	Y		9.5	N		9.5	N		56.3	81.1	562.0	10.0	46.8	High	193.1	260.5	176.2	0.0	260.5
4-Methylphenol (P-Cresol)	UG/KG	240	Y		9.5	N		9.5	N		86.3	133.1	922.0	10.7	76.8	High	310.7	421.2	184.8	0.0	421.2
Acenaphthene	UG/KG	4100	Y		430	Y		530	Y		1686.7	2090.6	14484.1	8.6	1207.0	High	5211.1	6947.9	162.0	-20.8	6,947.9
Acenaphthylene	UG/KG	750	Y		150	Y		170	Y		356.7	340.8	2361.0	6.6	196.8	High	931.2	1214.3	133.3	-12.5	1,214.3
Acetophenone	UG/KG	9.5	N		27	Y	J	9.5	N		15.3	10.1	70.0	4.6	5.8	High	32.4	40.8	-95.9	95.9	40.8
Anthracene	UG/KG	9600	Y		1300	Y		1300	Y		4066.7	4792.0	33200.0	8.2	2766.7	High	12145.3	16126.3	152.3	0.0	16,126.3
Benzo(A)Anthracene	UG/KG	16000	Y		4300	Y		3500	Y		7933.3	6997.4	48479.3	6.1	4039.9	High	19729.9	25543.0	115.3	20.5	25,543.0
Benzo(B)Fluoranthene	UG/KG	18000	Y		4500	Y		3700	Y		8733.3	8035.1	55669.0	6.4	4639.1	High	22279.4	28954.6	120.0	19.5	28,954.6
Benzo(G,H,I)Perylene	UG/KG	8100	Y		2300	Y		1700	Y		4033.3	3534.6	24488.4	6.1	2040.7	High	9992.1	12928.5	111.5	30.0	12,928.5
Benzo(K)Fluoranthene	UG/KG	6700	Y		1800	Y		1300	Y		3266.7	2983.8	20672.7	6.3	1722.7	High	8297.0	10775.8	115.3	32.3	10,775.8
Benzo(A)Pyrene	UG/KG	13000	Y		3500	Y		2600	Y		6366.7	5762.2	39921.9	6.3	3326.8	High	16081.0	20868.0	115.2	29.5	20,868.0
Biphenyl	UG/KG	890	Y		110	Y		72	Y		357.3	461.7	3198.7	9.0	266.6	High	1135.7	1519.2	156.0	41.8	1,519.2
Bis(2-Ethylhexyl)Phthalate	UG/KG	160	Y	J	330	Y		200	Y		230.0	88.9	615.8	2.7	51.3	Medium	379.8	453.7	-69.4	49.1	453.7
Butyl Benzyl Phthalate	UG/KG	38	N		83	Y	J	110	Y	J	77.0	36.4	252.0	3.3	21.0	High	138.3	168.5	-74.4	-28.0	168.5
Chrysene	UG/KG	14000	Y		3800	Y		2900	Y		6900.0	6165.2	42713.9	6.2	3559.5	High	17293.7	22415.5	114.6	26.9	22,415.5
Dibenz(A,H)Anthracene	UG/KG	2000	Y		650	Y		410	Y		1020.0	857.1	5938.5	5.8	494.9	High	2465.0	3177.1	101.9	45.3	3,177.1
Dibenzofuran	UG/KG	3200	Y		210	Y		320	Y		1243.3	1695.4	11746.2	9.4	978.8	High	4101.6	5510.0	175.4	-41.5	5,510.0
Dimethyl Phthalate	UG/KG	38	N		110	Y	J	38	N		62.0	41.6	288.0	4.6	24.0	High	132.1	166.6	-97.3	97.3	166.6
Diphenyl Ether	UG/KG	180	Y		330	Y		86	Y		198.7	123.1	852.6	4.3	71.1	High	406.1	508.4	-58.8	117.3	508.4
Fluoranthene	UG/KG	36000	Y		7000	Y		6900	Y		16633.3	16772.1	116200.5	7.0	9683.4	High	44908.7	58842.2	134.9	1.4	58,842.2
Fluorene	UG/KG	6600	Y		490	Y		700	Y		2596.7	3468.6	24031.0	9.3	2002.6	High	8444.2	11325.7	172.4	-35.3	11,325.7
Indeno (1,2,3-CD) Pyrene	UG/KG	7900	Y		2200	Y		1600	Y		3900.0	3477.1	24089.8	6.2	2007.5	High	9761.8	12650.4	112.9	31.6	12,650.4
Naphthalene	UG/KG	5600	Y		170	Y		370	Y		2046.7	3078.9	21331.3	10.4	1777.6	High	7237.2	9795.1	188.2	-74.1	9,795.1
N-Nitrosodiphenylamine	UG/KG	78	Y		9.5	N		9.5	N		32.3	39.5	274.0	8.5	22.8	High	99.0	131.9	156.6	0.0	131.9
Phenanthrene	UG/KG	33000	Y		4400	Y		4200	Y		13866.7	16570.3	114802.1	8.3	9566.8	High	41801.7	55567.6	152.9	4.7	55,567.6
Phenol	UG/KG	210	Y		28	Y	J	19	Y	J	85.7	107.8	746.7	8.7	62.2	High	267.4	356.9	152.9	38.3	356.9
Pyrene	UG/KG	27000	Y		5500	Y		5100	Y		12533.3	12530.1	86811.1	6.9	7234.3	High	33657.3	44066.7	132.3	7.5	44,066.7
PCB 1242	UG/KG	2900	Y		1.9	N		1.9	N		967.9	1673.2	11592.4	12.0	966.0	High	3788.7	5178.8	199.7	0.0	5,178.8
PCB 1254	UG/KG	19	N		92	Y		110	Y		73.7	48.2	333.9	4.5	27.8	High	154.9	194.9	-131.5	-17.8	194.9
Antimony	MG/KG	0.463	Y	J	0.918	Y	J	0.484	Y	J	0.6	0.3	1.8	2.9	0.1	Medium	1.1	1.3	-65.9	61.9	1.3
Arsenic	MG/KG	1.92	Y		1.86	Y		1.83	Y		1.9	0.0	0.3	0.2	0.0	Low	1.9	2.0	3.2	1.6	1.9
Barium	MG/KG	69.9	Y		66.1	Y		62.9	Y		66.3	3.5	24.3	0.4	2.0	Low	72.2	75.1	5.6	5.0	72.2
Beryllium	MG/KG	1.4	Y		1.18	Y		1.36	Y		1.3	0.1	0.8	0.6	0.1	Low	1.5	1.6	17.1	-14.2	1.5
Cadmium	MG/KG	0.293	Y	J	0.367	Y	J	0.251	Y	J	0.304	0.059	0.407	1.3	0.034	Low	0.403	0.451	-22.4	37.5	0.403
Chromium	MG/KG	10.6	Y		9.28	Y		7.13	Y		9.0	1.8	12.1	1.3	1.0	Low	12.0	13.4	13.3	26.2	12.0
Cobalt	MG/KG	3.57	Y		3.16	Y		3.12	Y		3.3	0.2	1.7	0.5	0.1	Low	3.7	3.9	12.2	1.3	3.7
Copper	MG/KG	9.45	Y		9.64	Y		8.69	Y		9.3	0.5	3.5	0.4	0.3	Low	10.1	10.5	-2.0	10.4	10.1
Lead	MG/KG	19.4	Y	J	18.8	Y	J	19.7	Y	J	19.3	0.5	3.2	0.2	0.3	Low	20.1	20.5	3.1	-4.7	20.1
Mercury	MG/KG	1.81	Y		0.331	Y		0.0505	Y	J	0.73	0.95	6.55	9.0	0.55	High	2.3	3.1	138.2	147.1	3.1
Nickel	MG/KG	16.3	Y		20.1	Y		15.6	Y		17.3	2.4	16.8	1.0	1.4	Low	21.4	23.4	-20.9	25.2	21.4
Selenium	MG/KG	0.308	Y	J	0.274	Y	J	0.317	Y	J	0.300	0.023	0.157	0.5	0.013	Low	0.338	0.357	11.7	-14.6	0.338
Silver	MG/KG	3.98	Y		11.6	Y		12.6	Y		9.4	4.7	32.7	3.5	2.7	High	17.3	21.3	-97.8	-8.3	21.3
Thallium	MG/KG	0.266	Y		0.241	Y		0.278	Y		0.262	0.019	0.131	0.5	0.011	Low	0.293	0.309	9.9	-14.3	0.293
Tin	MG/KG	3.63	Y	B	3.67	Y	B	3.5	Y	B	3.6	0.1	0.6	0.2	0.1	Low	3.7	3.8	-1.1	4.7	3.7
Vanadium	MG/KG	29.2	Y		22.2	Y		19.2	Y		23.5	5.1	35.6	1.5	3.0	Medium	32.2	36.4	27.2	14.5	36.4
Zinc	MG/KG	88.3	Y		97.7	Y		85.4	Y		90.5	6.4	44.5	0.5	3.7	Low	101.3	106.6	-10.1	13.4	101.3

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-7

Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID		DU-7A			DU-7B			DU-7C			DU-7										
Date Sampled		12/15/2014			12/15/2014			12/15/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
Number of Increments		35			35			35									Student's T	Chebyshev			
Parameter Name	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Trichlorofluoromethane	UG/KG	170	Y	J	400	Y		230	Y	J	266.7	119.3	705.8	2.6	68.9	Medium	467.8	566.9	-80.7	54.0	566.9
2-Methylnaphthalene	UG/KG	52	Y		33	Y		18	Y	J	34.3	17.0	100.8	2.9	9.8	Medium	63.1	77.2	44.7	58.8	77.2
Acenaphthene	UG/KG	220	Y		190	Y		93	Y		167.7	66.4	392.7	2.3	38.3	Medium	279.6	334.7	14.6	68.6	334.7
Acenaphthylene	UG/KG	130	Y		100	Y		46	Y		92.0	42.6	251.8	2.7	24.6	Medium	163.8	199.1	26.1	74.0	199.1
Acetophenone	UG/KG	24	Y	J	9.5	N		9.5	N		14.3	8.4	49.5	3.5	4.8	High	28.4	35.4	86.6	0.0	35.4
Anthracene	UG/KG	660	Y		670	Y		270	Y		533.3	228.1	1349.5	2.5	131.7	Medium	917.9	1107.4	-1.5	85.1	1,107.4
Benzo(A)Anthracene	UG/KG	1900	Y		2000	Y		870	Y		1590.0	625.5	3700.7	2.3	361.2	Medium	2644.6	3164.2	-5.1	78.7	3,164.2
Benzo(B)Fluoranthene	UG/KG	2100	Y		2100	Y		1100	Y		1766.7	577.4	3415.7	1.9	333.3	Medium	2740.0	3219.6	0.0	62.5	3,219.6
Benzo(G,H,I)Perylene	UG/KG	1100	Y		1100	Y		570	Y		923.3	306.0	1810.3	2.0	176.7	Medium	1439.2	1693.4	0.0	63.5	1,693.4
Benzo(K)Fluoranthene	UG/KG	820	Y		940	Y		390	Y		716.7	289.2	1710.9	2.4	167.0	Medium	1204.2	1444.5	-13.6	82.7	1,444.5
Benzo(A)Pyrene	UG/KG	1600	Y		1600	Y		820	Y		1340.0	450.3	2664.2	2.0	260.0	Medium	2099.2	2473.3	0.0	64.5	2,473.3
Biphenyl	UG/KG	30	Y	J	22	Y	J	26	Y	J	26.0	4.0	23.7	0.9	2.3	Low	32.7	36.1	30.8	-16.7	32.7
Bis(2-Ethylhexyl)Phthalate	UG/KG	95	Y	J	88	Y	J	38	N		73.7	31.1	183.9	2.5	17.9	Medium	126.1	151.9	7.7	79.4	151.9
Chrysene	UG/KG	1800	Y		1700	Y		820	Y		1440.0	539.3	3190.3	2.2	311.3	Medium	2349.1	2797.1	5.7	69.8	2,797.1
Dibenz(A,H)Anthracene	UG/KG	350	Y		330	Y		180	Y		286.7	92.9	549.7	1.9	53.6	Medium	443.3	520.5	5.9	58.8	520.5
Dibenzofuran	UG/KG	130	Y		96	Y		43	Y		89.7	43.8	259.4	2.9	25.3	Medium	163.6	200.0	30.1	76.3	200.0
Diphenyl Ether	UG/KG	62	Y		35	Y	J	67	Y		54.7	17.2	101.8	1.9	9.9	Medium	83.7	98.0	55.7	-62.7	98.0
Fluoranthene	UG/KG	3400	Y		3500	Y		1600	Y		2833.3	1069.3	6325.9	2.2	617.3	Medium	4636.0	5524.3	-2.9	74.5	5,524.3
Fluorene	UG/KG	300	Y		250	Y		100	Y		216.7	104.1	615.8	2.8	60.1	Medium	392.1	478.6	18.2	85.7	478.6
Indeno (1,2,3-CD) Pyrene	UG/KG	1000	Y		1000	Y		530	Y		843.3	271.4	1605.4	1.9	156.7	Medium	1300.8	1526.2	0.0	61.4	1,526.2
Naphthalene	UG/KG	110	Y		68	Y		36	Y		71.3	37.1	219.6	3.1	21.4	High	133.9	164.7	47.2	61.5	164.7
Phenanthrene	UG/KG	2300	Y		2200	Y		990	Y		1830.0	729.2	4313.9	2.4	421.0	Medium	3059.3	3665.1	4.4	75.9	3,665.1
Pyrene	UG/KG	2700	Y		2700	Y		1200	Y		2200.0	866.0	5123.5	2.3	500.0	Medium	3660.0	4379.4	0.0	76.9	4,379.4
PCB 1254	UG/KG	63	Y		42	Y		26	Y		43.7	18.6	109.8	2.5	10.7	Medium	74.9	90.4	40.0	47.1	90.4
PCB 1260	UG/KG	2.75	N		2.8	N		26	Y		10.5	13.4	79.3	7.5	7.7	High	33.1	44.3	-1.8	-161.1	44.3
Antimony	MG/KG	0.353	Y	J	1.12	Y	J	0.261	Y	J	0.6	0.5	2.8	4.8	0.3	High	1.4	1.8	-104.1	124.4	1.8
Arsenic	MG/KG	3.99	Y		3.33	Y		2.43	Y		3.3	0.8	4.6	1.4	0.5	Low	4.6	5.2	18.0	31.3	4.6
Barium	MG/KG	62.7	Y		63.1	Y		56.2	Y		60.7	3.9	22.9	0.4	2.2	Low	67.2	70.4	-0.6	11.6	67.2
Beryllium	MG/KG	1.16	Y		1.23	Y		1.27	Y		1.2	0.1	0.3	0.3	0.0	Low	1.3	1.4	-5.9	-3.2	1.3
Cadmium	MG/KG	0.183	Y	J	0.21	Y	J	0.23	Y	J	0.208	0.024	0.140	0.7	0.014	Low	0.247	0.267	-13.7	-9.1	0.247
Chromium	MG/KG	8.22	Y		7.83	Y		5.98	Y		7.3	1.2	7.1	1.0	0.7	Low	9.4	10.4	4.9	26.8	9.4
Cobalt	MG/KG	3.19	Y		4.44	Y		3.65	Y		3.8	0.6	3.7	1.0	0.4	Low	4.8	5.4	-32.8	19.5	4.8
Copper	MG/KG	9.95	Y		10	Y		9.64	Y		9.9	0.2	1.2	0.1	0.1	Low	10.2	10.4	-0.5	3.7	10.2
Lead	MG/KG	16.5	Y		21.4	Y		19.1	Y		19.0	2.5	14.5	0.8	1.4	Low	23.1	25.2	-25.9	11.4	23.1
Mercury	MG/KG	0.0275	Y	J	0.0332	Y	J	0.023	Y	J	0.028	0.005	0.030	1.1	0.003	Low	0.037	0.041	-18.8	36.3	0.037
Nickel	MG/KG	12.6	Y		11.8	Y		12.7	Y		12.4	0.5	2.9	0.2	0.3	Low	13.2	13.6	6.6	-7.3	13.2
Selenium	MG/KG	0.529	Y	J	0.524	Y	J	0.488	Y	J	0.514	0.022	0.132	0.3	0.013	Low	0.551	0.570	0.9	7.1	0.551
Silver	MG/KG	18.1	Y		15	Y		3.83	Y		12.3	7.5	44.4	3.6	4.3	High	25.0	31.2	18.7	118.6	31.2
Thallium	MG/KG	0.408	Y	J	0.437	Y	J	0.359	Y	J	0.401	0.039	0.233	0.6	0.023	Low	0.468	0.501	-6.9	19.6	0.468
Tin	MG/KG	2.57	Y	B	2.87	Y	B	2.38	Y	B	2.6	0.2	1.5	0.6	0.1	Low	3.0	3.2	-11.0	18.7	3.0
Vanadium	MG/KG	17.3	Y		18.2	Y		16.4	Y		17.3	0.9	5.3	0.3	0.5	Low	18.8	19.6	-5.1	10.4	18.8
Zinc	MG/KG	97	Y		100	Y		98.1	Y		98.4	1.5	9.0	0.1	0.9	Low	100.9	102.2	-3.0	1.9	100.9

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-8

Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID	DU-8A			DU-8B			DU-8C			DU-8											
	Date Sampled	12/17/2014			12/17/2014			12/17/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
	Number of Increments	51			51			51									Student's T	Chebyshev			
	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Parameter Name	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	Low Dispersion (Error)	Medium to High Dispersion	RPD-A/B	RPD-B/C	95% UCL
2-Methylnaphthalene	UG/KG	7	Y	J	15	Y	J	84	Y		35.3	42.3	302.3	8.6	24.4	High	106.7	141.9	-72.7	-139.4	141.9
3-Methylcholanthrene	UG/KG	9.5	N		9.5	N		68	Y		29.0	33.8	241.2	8.3	19.5	High	85.9	114.0	0.0	-151.0	114.0
Acenaphthene	UG/KG	54	Y		81	Y		500	Y		211.7	250.1	1785.8	8.4	144.4	High	633.2	841.0	-40.0	-144.2	841.0
Acenaphthylene	UG/KG	8	Y	J	6	Y	J	11	Y	J	8.3	2.5	18.0	2.2	1.5	Medium	12.6	14.7	28.6	-58.8	14.7
Anthracene	UG/KG	160	Y		190	Y		1400	Y		583.3	707.4	5051.9	8.7	408.4	High	1775.9	2363.6	-17.1	-152.2	2,363.6
Benzo(A)Anthracene	UG/KG	380	Y		510	Y		3600	Y		1496.7	1822.7	13016.7	8.7	1052.3	High	4569.5	6083.7	-29.2	-150.4	6,083.7
Benzo(B)Fluoranthene	UG/KG	500	Y		640	Y		3900	Y		1680.0	1923.9	13739.0	8.2	1110.7	High	4923.3	6521.6	-24.6	-143.6	6,521.6
Benzo(G,H,I)Perylene	UG/KG	240	Y		320	Y		1700	Y		753.3	820.8	5861.8	7.8	473.9	High	2137.1	2819.0	-28.6	-136.6	2,819.0
Benzo(K)Fluoranthene	UG/KG	180	Y		290	Y		1300	Y		590.0	617.3	4408.6	7.5	356.4	High	1630.7	2143.6	-46.8	-127.0	2,143.6
Benzo(A)Pyrene	UG/KG	360	Y		490	Y		2800	Y		1216.7	1372.7	9803.4	8.1	792.6	High	3530.9	4671.3	-30.6	-140.4	4,671.3
Biphenyl	UG/KG	9.5	N		9.5	N		43	Y		20.7	19.3	138.1	6.7	11.2	High	53.3	69.3	0.0	-127.6	69.3
Chrysene	UG/KG	360	Y		490	Y		3200	Y		1350.0	1603.5	11451.0	8.5	925.8	High	4053.2	5385.3	-30.6	-146.9	5,385.3
Dibenz(A,H)Anthracene	UG/KG	66	Y		96	Y		560	Y		240.7	277.0	1977.9	8.2	159.9	High	707.6	937.7	-37.0	-141.5	937.7
Dibenzofuran	UG/KG	22	Y	J	41	Y		270	Y		111.0	138.0	985.7	8.9	79.7	High	343.7	458.4	-60.3	-147.3	458.4
Diphenyl Ether	UG/KG	37	Y	J	56	Y		48	Y		47.0	9.5	68.1	1.4	5.5	Low	63.1	71.0	-40.9	15.4	63.1
Fluoranthene	UG/KG	880	Y		1000	Y		6600	Y		2826.7	3268.4	23340.7	8.3	1887.0	High	8336.6	11051.8	-12.8	-147.4	11,051.8
Fluorene	UG/KG	60	Y		78	Y		610	Y		249.3	312.5	2231.5	8.9	180.4	High	776.1	1035.7	-26.1	-154.7	1,035.7
Indeno (1,2,3-CD) Pyrene	UG/KG	220	Y		300	Y		1600	Y		706.7	774.7	5532.3	7.8	447.3	High	2012.7	2656.2	-30.8	-136.8	2,656.2
Naphthalene	UG/KG	15	Y	J	31	Y		200	Y		82.0	102.5	732.0	8.9	59.2	High	254.8	340.0	-69.6	-146.3	340.0
Phenanthrene	UG/KG	600	Y		730	Y		4300	Y		1876.7	2099.7	14994.7	8.0	1212.2	High	5416.4	7160.7	-19.5	-141.9	7,160.7
Pyrene	UG/KG	640	Y		830	Y		5100	Y		2190.0	2521.9	18010.1	8.2	1456.0	High	6441.6	8536.7	-25.9	-144.0	8,536.7
PCB 1254	UG/KG	26	Y		1.9	N		72	Y		33.3	35.6	254.3	7.6	20.6	High	93.3	122.9	172.8	-189.7	122.9
PCB 1260	UG/KG	2.8	N		80	Y		2.9	N		28.6	44.5	318.1	11.1	25.7	High	103.7	140.7	-186.5	186.0	140.7
Antimony	MG/KG	0.505	Y	J	0.577	Y	J	0.657	Y	J	0.580	0.076	0.543	0.9	0.044	Low	0.708	0.771	-13.3	-13.0	0.708
Arsenic	MG/KG	2.49	Y		2.5	Y		2.69	Y		2.6	0.1	0.8	0.3	0.1	Low	2.7	2.8	-0.4	-7.3	2.7
Barium	MG/KG	55.3	Y		64.9	Y		56.5	Y		58.9	5.2	37.4	0.6	3.0	Low	67.7	72.1	-16.0	13.8	67.7
Beryllium	MG/KG	1.31	Y		1.26	Y		1.45	Y		1.3	0.1	0.7	0.5	0.1	Low	1.5	1.6	3.9	-14.0	1.5
Cadmium	MG/KG	0.118	Y	J	0.211	Y	J	0.182	Y	J	0.170	0.048	0.340	2.0	0.027	Medium	0.251	0.290	-56.5	14.8	0.290
Chromium	MG/KG	10.4	Y		12.5	Y		10.9	Y		11.3	1.1	7.8	0.7	0.6	Low	13.1	14.0	-18.3	13.7	13.1
Cobalt	MG/KG	2.76	Y		3.02	Y		3.18	Y		3.0	0.2	1.5	0.5	0.1	Low	3.3	3.5	-9.0	-5.2	3.3
Copper	MG/KG	8.88	Y		11.1	Y		16	Y		12.0	3.6	26.0	2.2	2.1	Medium	18.1	21.2	-22.2	-36.2	21.2
Lead	MG/KG	20.4	Y		18.8	Y		21.2	Y		20.1	1.2	8.7	0.4	0.7	Low	22.2	23.2	8.2	-12.0	22.2
Mercury	MG/KG	0.0239	Y	J	0.0287	Y	J	0.0345	Y	J	0.029	0.005	0.038	1.3	0.003	Low	0.038	0.042	-18.3	-18.4	0.038
Nickel	MG/KG	9.2	Y		11.2	Y		12.9	Y		11.1	1.9	13.2	1.2	1.1	Low	14.2	15.8	-19.6	-14.1	14.2
Selenium	MG/KG	0.322	Y	J	0.347	Y	J	0.331	Y	J	0.333	0.013	0.090	0.3	0.007	Low	0.355	0.365	-7.5	4.7	0.355
Thallium	MG/KG	0.323	Y	J	0.306	Y	J	0.287	Y	J	0.305	0.018	0.129	0.4	0.010	Low	0.336	0.351	5.4	6.4	0.336
Tin	MG/KG	3.76	Y	B	3.88	Y	B	4.59	Y	B	4.1	0.4	3.2	0.8	0.3	Low	4.8	5.2	-3.1	-16.8	4.8
Vanadium	MG/KG	15.2	Y		20.5	Y		18.4	Y		18.0	2.7	19.1	1.1	1.5	Low	22.5	24.8	-29.7	10.8	22.5
Zinc	MG/KG	70.9	Y		78.8	Y		80.1	Y		76.6	5.0	35.6	0.5	2.9	Low	85.0	89.1	-10.6	-1.6	85.0

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-9
Former DuPont Brevard Facility
Cedar Mountain, NC

Location ID		DU-9A			DU-9B			DU-9C			DU-9										
Date Sampled		12/18/2014			12/18/2014			12/18/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
Number of Increments		64			64			64									Student's T	Chebyshev			
Parameter Name	Units	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Acenaphthene	UG/KG	6	Y	J	2	N		2	N		3.3	2.3	18.5	5.5	1.3	High	7.2	9.1	100.0	0.0	9.1
Acenaphthylene	UG/KG	6	Y	J	2	N		2	N		3.3	2.3	18.5	5.5	1.3	High	7.2	9.1	100.0	0.0	9.1
Anthracene	UG/KG	17	Y	J	2	N		2	N		7.0	8.7	69.3	9.9	5.0	High	21.6	28.8	157.9	0.0	28.8
Benzo(A)Anthracene	UG/KG	57	Y		13	Y	J	11	Y	J	27.0	26.0	208.0	7.7	15.0	High	70.8	92.4	125.7	16.7	92.4
Benzo(B)Fluoranthene	UG/KG	62	Y		18	Y	J	18	Y	J	32.7	25.4	203.2	6.2	14.7	High	75.5	96.6	110.0	0.0	96.6
Benzo(G,H,I)Perylene	UG/KG	26	Y		10	Y	J	12	Y	J	16.0	8.7	69.7	4.4	5.0	High	30.7	37.9	88.9	-18.2	37.9
Benzo(K)Fluoranthene	UG/KG	24	Y		9	Y	J	9	Y	J	14.0	8.7	69.3	4.9	5.0	High	28.6	35.8	90.9	0.0	35.8
Benzo(A)Pyrene	UG/KG	41	Y		12	Y	J	12	Y	J	21.7	16.7	133.9	6.2	9.7	High	49.9	63.8	109.4	0.0	63.8
Chrysene	UG/KG	49	Y		14	Y	J	12	Y	J	25.0	20.8	166.5	6.7	12.0	High	60.1	77.4	111.1	15.4	77.4
Dibenz(A,H)Anthracene	UG/KG	10	Y	J	6	Y	J	5	Y	J	7.0	2.6	21.2	3.0	1.5	High	11.5	13.7	50.0	18.2	13.7
Fluoranthene	UG/KG	76	Y		18	Y	J	14	Y	J	36.0	34.7	277.6	7.7	20.0	High	94.5	123.3	123.4	25.0	123.3
Fluorene	UG/KG	7	Y	J	2	N		2	N		3.7	2.9	23.1	6.3	1.7	High	8.5	10.9	111.1	0.0	10.9
Indeno (1,2,3-CD) Pyrene	UG/KG	24	Y		10	Y	J	11	Y	J	15.0	7.8	62.5	4.2	4.5	High	28.2	34.7	82.4	-9.5	34.7
Phenanthrene	UG/KG	42	Y		9	Y	J	6	Y	J	19.0	20.0	159.8	8.4	11.5	High	52.7	69.3	129.4	40.0	69.3
Pyrene	UG/KG	86	Y		2	N		2	N		30.0	48.5	388.0	12.9	28.0	High	111.8	152.0	190.9	0.0	152.0
PCB 1248	UG/KG	1.8	N		1.85	N		120	Y		41.2	68.2	545.8	13.2	39.4	High	156.2	212.9	-2.7	-193.9	212.9
PCB 1254	UG/KG	6.6	Y	J	8	Y	J	1.85	N		5.5	3.2	25.8	4.7	1.9	High	10.9	13.6	-19.2	124.9	13.6
Antimony	MG/KG	13.2	Y	J	3.9	Y	J	2.45	Y	J	6.5	5.8	46.7	7.2	3.4	High	16.4	21.2	108.8	45.7	21.2
Arsenic	MG/KG	2	Y		1.87	Y		2.16	Y		2.0	0.1	1.2	0.6	0.1	Low	2.3	2.4	6.7	-14.4	2.3
Barium	MG/KG	65.7	Y		65.5	Y		62.7	Y		64.6	1.7	13.4	0.2	1.0	Low	67.5	68.9	0.3	4.4	67.5
Beryllium	MG/KG	1.53	Y		1.65	Y		1.51	Y		1.6	0.1	0.6	0.4	0.0	Low	1.7	1.8	-7.5	8.9	1.7
Cadmium	MG/KG	0.0806	Y	J	0.261	Y	J	0.12	Y	J	0.154	0.095	0.759	4.9	0.055	High	0.314	0.393	-105.6	74.0	0.393
Chromium	MG/KG	4.6	Y		4.23	Y		5.28	Y		4.7	0.5	4.3	0.9	0.3	Low	5.6	6.0	8.4	-22.1	5.6
Cobalt	MG/KG	3.28	Y		3.59	Y		2.9	Y		3.3	0.3	2.8	0.8	0.2	Low	3.8	4.1	-9.0	21.3	3.8
Copper	MG/KG	4.86	Y		4.9	Y		5.61	Y		5.1	0.4	3.4	0.7	0.2	Low	5.8	6.2	-0.8	-13.5	5.8
Lead	MG/KG	14	Y		17.7	Y		17.2	Y		16.3	2.0	16.1	1.0	1.2	Low	19.7	21.4	-23.3	2.9	19.7
Mercury	MG/KG	0.0183	Y	J	0.0164	Y	J	0.0184	Y	J	0.018	0.001	0.009	0.5	0.001	Low	0.020	0.021	11.0	-11.5	0.020
Nickel	MG/KG	8.09	Y		5.57	Y		9.25	Y		7.6	1.9	15.1	2.0	1.1	Medium	10.8	12.4	36.9	-49.7	12.4
Selenium	MG/KG	0.412	Y	J	0.373	Y	J	0.404	Y	J	0.396	0.021	0.165	0.4	0.012	Low	0.431	0.448	9.9	-8.0	0.431
Silver	MG/KG	0.741	Y	J	0.103	N		0.107	N		0.3	0.4	2.9	9.3	0.2	High	0.9	1.2	151.2	-3.8	1.2
Thallium	MG/KG	0.38	Y	J	0.901	Y	J	0.512	Y	J	0.6	0.3	2.2	3.6	0.2	High	1.1	1.3	-81.3	55.1	1.3
Tin	MG/KG	2.83	Y	B	3.17	Y	B	3.27	Y	B	3.1	0.2	1.8	0.6	0.1	Low	3.5	3.7	-11.3	-3.1	3.5
Vanadium	MG/KG	19.2	Y		16.9	Y		18.5	Y		18.2	1.2	9.4	0.5	0.7	Low	20.2	21.2	12.7	-9.0	20.2
Zinc	MG/KG	40.1	Y		38.7	Y		43.5	Y		40.8	2.5	19.7	0.5	1.4	Low	44.9	47.0	3.6	-11.7	44.9

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - 2014 ISM Results, DU-10
Former DuPont Brevard Facility
Cedar Mountain, NC

Parameter Name	Units	DU-10A			DU-10B			DU-10C			DU-10										
		12/01/2011			12/02/2014			12/02/2014			Arithmetic Mean	Std. Dev. (SD) of Replicates	Std. Dev. (SD) of Increments	Coef. of Variation (CV) of DU	Std. Error of DU	Dispersion (Error)	95% UCL		RPD-A/B	RPD-B/C	95% UCL
		36			36			36									Student's T	Chebyshev			
		Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier	Report Result	Detected	Validation Qualifier							Low Dispersion (Error)	Medium to High Dispersion			
Acenaphthene	UG/KG	8	Y	J	2	N		2	N		4.0	3.5	20.8	5.2	2.0	High	9.8	12.7	120.0	0.0	12.7
Anthracene	UG/KG	17	Y	J	4	Y	J	8	Y	J	9.7	6.7	39.9	4.1	3.8	High	20.9	26.4	123.8	-66.7	26.4
Benzo(A)Anthracene	UG/KG	38	Y		22	Y		24	Y		28.0	8.7	52.3	1.9	5.0	Medium	42.7	49.9	53.3	-8.7	49.9
Benzo(B)Fluoranthene	UG/KG	44	Y		31	Y		33	Y		36.0	7.0	42.0	1.2	4.0	Low	47.8	53.6	34.7	-6.3	47.8
Benzo(G,H,I)Perylene	UG/KG	22	Y		17	Y	J	17	Y	J	18.7	2.9	17.3	0.9	1.7	Low	23.5	25.9	25.6	0.0	23.5
Benzo(K)Fluoranthene	UG/KG	23	Y		15	Y	J	15	Y	J	17.7	4.6	27.7	1.6	2.7	Medium	25.5	29.3	42.1	0.0	29.3
Benzo(A)Pyrene	UG/KG	33	Y		22	Y		25	Y		26.7	5.7	34.1	1.3	3.3	Low	36.3	41.0	40.0	-12.8	36.3
Chrysene	UG/KG	38	Y		20	Y		21	Y		26.3	10.1	60.7	2.3	5.8	Medium	43.4	51.8	62.1	-4.9	51.8
Dibenz(A,H)Anthracene	UG/KG	8	Y	J	6	Y	J	5	Y	J	6.3	1.5	9.2	1.4	0.9	Low	8.9	10.2	28.6	18.2	8.9
Fluoranthene	UG/KG	77	Y		34	Y		44	Y		51.7	22.5	135.0	2.6	13.0	Medium	89.6	108.3	77.5	-25.6	108.3
Fluorene	UG/KG	10	Y	J	2	N		4	Y	J	5.3	4.2	25.0	4.7	2.4	High	12.4	15.8	133.3	-66.7	15.8
Indeno (1,2,3-CD) Pyrene	UG/KG	19	Y	J	18	Y	J	15	Y	J	17.3	2.1	12.5	0.7	1.2	Low	20.8	22.6	5.4	18.2	20.8
Naphthalene	UG/KG	9	Y	J	2	N		2	N		4.3	4.0	24.2	5.6	2.3	High	11.1	14.5	127.3	0.0	14.5
Phenanthrene	UG/KG	64	Y		17	Y	J	30	Y		37.0	24.3	145.6	3.9	14.0	High	77.9	98.1	116.0	-55.3	98.1
Pyrene	UG/KG	58	Y		31	Y		37	Y		42.0	14.2	85.1	2.0	8.2	Medium	65.9	77.7	60.7	-17.6	77.7
PCB 1254	UG/KG	2	N		7.4	Y	J	6.4	Y	J	5.3	2.9	17.2	3.3	1.7	High	10.1	12.5	-114.9	14.5	12.5
Antimony	MG/KG	0.155	Y	J	0.203	Y	J	0.587	Y		0.3	0.2	1.4	4.5	0.1	High	0.7	0.9	-26.8	-97.2	0.9
Arsenic	MG/KG	2.2	Y	J	2.49	Y	J	2.53	Y	J	2.4	0.2	1.1	0.4	0.1	Low	2.7	2.9	-12.4	-1.6	2.7
Barium	MG/KG	53.5	Y		63.4	Y		63	Y		60.0	5.6	33.6	0.6	3.2	Low	69.4	74.1	-16.9	0.6	69.4
Beryllium	MG/KG	1.36	Y		1.37	Y		1.24	Y		1.3	0.1	0.4	0.3	0.0	Low	1.4	1.5	-0.7	10.0	1.4
Chromium	MG/KG	8.07	Y	J	16.2	Y	J	12.2	Y	J	12.2	4.1	24.4	2.0	2.3	Medium	19.0	22.4	-67.0	28.2	22.4
Cobalt	MG/KG	3.28	Y		3.85	Y		4.93	Y		4.0	0.8	5.0	1.3	0.5	Low	5.4	6.1	-16.0	-24.6	5.4
Copper	MG/KG	6.45	Y	J	8.35	Y	J	8.67	Y	J	7.8	1.2	7.2	0.9	0.7	Low	9.8	10.8	-25.7	-3.8	9.8
Lead	MG/KG	17.6	Y	J	16.3	Y	J	20.8	Y	J	18.2	2.3	13.9	0.8	1.3	Low	22.1	24.1	7.7	-24.3	22.1
Mercury	MG/KG	0.0323	Y	J	0.0335	Y	J	0.0423	Y	J	0.036	0.005	0.033	0.9	0.003	Low	0.045	0.050	-3.6	-23.2	0.045
Nickel	MG/KG	35.3	Y		58.3	Y		38.6	Y		44.1	12.4	74.6	1.7	7.2	Medium	65.0	75.4	-49.1	40.7	75.4
Selenium	MG/KG	0.566	Y	J	0.496	Y	J	0.589	Y	J	0.550	0.048	0.291	0.5	0.028	Low	0.632	0.672	13.2	-17.1	0.632
Thallium	MG/KG	0.349	Y	J	0.379	Y	J	0.369	Y	J	0.366	0.015	0.092	0.3	0.009	Low	0.391	0.404	-8.2	2.7	0.391
Tin	MG/KG	3.57	Y	B	3.52	Y	B	3.54	Y	B	3.5	0.0	0.2	0.0	0.0	Low	3.6	3.6	1.4	-0.6	3.6
Vanadium	MG/KG	20.8	Y		22.9	Y		26.8	Y		23.5	3.0	18.3	0.8	1.8	Low	28.6	31.2	-9.6	-15.7	28.6
Zinc	MG/KG	44.1	Y	J	44	Y	J	47.1	Y	J	45.1	1.8	10.6	0.2	1.0	Low	48.0	49.5	0.2	-6.8	48.0

Not Detected (1/2 the detection limit is reported)

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,1-Dichloroethane	75-34-3	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,1-Dichloroethene	75-35-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
1,2-Dichloroethane	107-06-2	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,2-Dichloropropane	78-87-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2-Hexanone	591-78-6	MG/KG		<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030	<0.3100
Acetone	67-64-1	MG/KG		0.0370	0.0070 J	<0.0050	0.0440	0.0200	0.0160	0.0900	<0.0080	<0.7300
Acetonitrile	75-05-8	MG/KG		<0.0190	<0.0210	<0.0170	<0.0190	<0.0170	<0.0190	<0.0270	<0.0270	<2.6000
Acrolein	107-02-8	MG/KG		<0.0150	<0.0170	<0.0140	<0.0160	<0.0130	<0.0150	<0.0220	<0.0210	<2.1000
Acrylonitrile	107-13-1	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.0040	<0.4200
Allyl Chloride	107-05-1	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Benzene	71-43-2	MG/KG		<0.00040	<0.00040	<0.00030	<0.00040	<0.00030	<0.00040	<0.00050	<0.00050	<0.0520
Bromodichloromethane	75-27-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Bromoform	75-25-2	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Carbon Disulfide	75-15-0	MG/KG		0.00090 J	<0.00080	<0.00070	<0.00080	<0.00070	0.0010 J	0.0020 J	<0.0010	<0.1000
Carbon Tetrachloride	56-23-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Chlorobenzene	108-90-7	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Chlorodibromomethane	124-48-1	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Chloroform	67-66-3	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Chloroprene	126-99-8	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
Ethyl Chloride	75-00-3	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
Ethyl Methacrylate	97-63-2	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Ethylbenzene	100-41-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Iodomethane	74-88-4	MG/KG		<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030	<0.3100
Isobutyl Alcohol	78-83-1	MG/KG		<0.0750	<0.0840	<0.0680	<0.0780	<0.0670	<0.0750	<0.1100	<0.1100	<10.0000
Methacrylonitrile	126-98-7	MG/KG		<0.0040	<0.0040	<0.0030	<0.0040	<0.0030	<0.0040	<0.0050	<0.0050	<0.5200
Methyl Bromide	74-83-9	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
Methyl Chloride	74-87-3	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0120	<0.0040	<0.4200
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0020	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030	<0.3100
Methyl Methacrylate	80-62-6	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Methylene Bromide	74-95-3	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Methylene Chloride	75-09-2	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
Pentachloroethane	76-01-7	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Propionitrile	107-12-0	MG/KG		<0.0220	<0.0250	<0.0210	<0.0230	<0.0200	<0.0230	<0.0330	<0.0320	<3.1000
Styrene	100-42-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Tetrachloroethene	127-18-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Toluene	108-88-3	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0070	<0.0080	<0.0070	<0.0080	<0.0070	<0.0080	<0.0110	<0.0110	<1.0000
Trichloroethene	79-01-6	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Trichlorofluoromethane	75-69-4	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0060	<0.0020	<0.2100
Vinyl Acetate	108-05-4	MG/KG		<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.2100
Vinyl Chloride	75-01-4	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
Xylenes	1330-20-7	MG/KG		<0.00070	<0.00080	<0.00070	<0.00080	<0.00070	<0.00080	<0.0010	<0.0010	<0.1000
<i>Semivolatile Organic Compounds</i>												
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG										
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.1200	<0.1200	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9100 UJ	<0.9800 UJ	<0.9700 UJ	<0.9400 UJ	<0.9300 UJ	<0.9200 UJ	<0.9100 UJ	<0.9000 UJ	<0.9100 UJ
1-Methylnaphthalene	90-12-0	MG/KG										
1-Naphthylamine	134-32-7	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7300	<0.7800	<0.7800	<0.7500	<0.7400	<0.7400	<0.7300	<0.7200	<0.7300
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2-Chloronaphthalene	91-58-7	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2-Chlorophenol	95-57-8	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.0770 J	<0.0360	<0.0370

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
2-Naphthylamine	91-59-8	MG/KG		<0.1800 R	<0.2000 R	<0.1900 R	<0.1900 R	<0.1900 R	<0.1800 R	<0.1800 R	<0.1800 R	<0.1800 R
2-Nitroaniline	88-74-4	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360 R	<0.0370
2-Nitrophenol	88-75-5	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
2-Picoline	109-06-8	MG/KG		<0.1100	<0.1200	<0.1200	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
3- And 4- Methylphenol	EVS0197	MG/KG										
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.1200	<0.1200	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.3700	<0.3900	<0.3900	<0.3700	<0.3700	<0.3700	<0.3600	<0.3600	<0.3700
3-Methylcholanthrene	56-49-5	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
3-Nitroaniline	99-09-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG										
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
4-Aminobiphenyl	92-67-1	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4-Chloroaniline	106-47-8	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4-Nitroaniline	100-01-6	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
4-Nitrophenol	100-02-7	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3700	<0.3900	<0.3900	<0.3700	<0.3700	<0.3700	<0.3600	<0.3600	<0.3700
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Acenaphthene	83-32-9	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.5300	<0.0360	0.1600 J
Acenaphthylene	208-96-8	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.2900	<0.0360	0.0560 J
Acetophenone	98-86-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG										
Aniline	62-53-3	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
Anthracene	120-12-7	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	1.7000	<0.0360	0.5400
Aramite	140-57-8	MG/KG										
Benzaldehyde	100-52-7	MG/KG										
Benzidine	92-87-5	MG/KG										
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	5.6000	<0.0360	1.5000
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	6.3000	<0.0360	1.8000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	3.9000	<0.0360	1.0000
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	2.4000	<0.0360	0.7500
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	5.4000	<0.0360	1.5000
Benzoic Acid	65-85-0	MG/KG										
Benzyl Alcohol	100-51-6	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG										

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Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	0.4700	<0.0720	0.0820 J
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	0.1300 J	<0.0720	<0.0730
Carbazole	86-74-8	MG/KG										
Chlorobenzilate	510-15-6	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Chrysene	218-01-9	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	5.4000	<0.0360	1.5000
Diallate	2303-16-4	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.9200	<0.0360	0.2400
Dibenzofuran	132-64-9	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.2300	<0.0360	1.3000
Diethyl Phthalate	84-66-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Dimethyl Phthalate	131-11-3	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	0.1400 J	<0.0720	<0.0730
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Fluoranthene	206-44-0	MG/KG		<0.0370	<0.0390	<0.0390	0.0680 J	<0.0370	<0.0370	11.0000	<0.0360	3.3000
Fluorene	86-73-7	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.5900	<0.0360	0.3000
Hexachlorobenzene	118-74-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Hexachlorobutadiene	87-68-3	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
Hexachloroethane	67-72-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.1200	<0.1200	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	3.4000	<0.0360	0.8700
Isodrin	465-73-6	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Isophorone	78-59-1	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Isosafrole	120-58-1	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Methapyrilene	91-80-5	MG/KG		<1.8000	<2.0000	<1.9000 R	<1.9000	<1.9000	<1.8000	<1.8000	<1.8000 R	<1.8000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
Naphthalene	91-20-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	0.1800	<0.0360	0.0640 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Nitrobenzene	98-95-3	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.2200	<0.2300	<0.2300	<0.2200	<0.2200	<0.2200	<0.2200	<0.2200	<0.2200
para-Phenylenediamine	106-50-3	MG/KG		<13.0000 UJ	<14.0000 UJ	<14.0000 R	<13.0000 UJ	<13.0000 UJ	<13.0000 UJ	<13.0000 R	<13.0000 R	<13.0000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Pentachlorophenol	87-86-5	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
Phenacetin	62-44-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Phenanthrene	85-01-8	MG/KG		<0.0370	<0.0390	<0.0390	0.0460 J	<0.0370	<0.0370	6.1000	<0.0360	2.0000
Phenol	108-95-2	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	0.1700 J
Pyrene	129-00-0	MG/KG		<0.0370	<0.0390	<0.0390	0.0570 J	<0.0370	<0.0370	9.5000	<0.0360	3.2000
Pyridine	110-86-1	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Safrole	94-59-7	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Thionazin	297-97-2	MG/KG		<0.0730	<0.0780	<0.0780	<0.0750	<0.0740	<0.0740	<0.0730	<0.0720	<0.0730
Dimethoate	60-51-5	MG/KG		<0.1800	<0.2000	<0.1900	<0.1900	<0.1900	<0.1800	<0.1800	<0.1800	<0.1800
Pronamide	23950-58-5	MG/KG		<0.0370	<0.0390	<0.0390	<0.0370	<0.0370	<0.0370	<0.0360	<0.0360	<0.0370
<i>Dowtherm</i>												
Biphenyl	92-52-4	MG/KG		<0.0370	<0.0390	<0.0390	0.0490 J	<0.0370	<0.0370	0.3500	<0.0360	170.0000
Diphenyl Ether	101-84-8	MG/KG		<0.0370	<0.0390	<0.0390	0.3600	<0.0370	0.0630 J	1.4000	<0.0360	1000.0000
<i>Glycols</i>												
Ethylene Glycol	107-21-1	MG/KG		<11.0000	<12.0000	<12.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Diethylene Glycol	111-46-6	MG/KG		<11.0000	<12.0000	<12.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Propylene Glycol	57-55-6	MG/KG		<11.0000	<12.0000	<12.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Triethylene Glycol	112-27-6	MG/KG		<55.0000	<59.0000	<58.0000	<56.0000	<56.0000	<55.0000	<55.0000	<54.0000 UJ	<55.0000
<i>Inorganics</i>												
Antimony	7440-36-0	MG/KG		<0.260 UJ	<0.272 UJ	<0.268 UJ	<0.266 UJ	<0.258 UJ	<0.259 UJ	1.13 J	<0.252 UJ	9.01 J
Arsenic	7440-38-2	MG/KG		1.90 J	0.639 J	0.574 J	1.56 J	0.628 J	1.12 J	2.57	0.483 J	3.47
Barium	7440-39-3	MG/KG		25.3	48.5	47.8	70.8	30.0	45.5	71.0	36.7	72.2
Beryllium	7440-41-7	MG/KG		0.441 J	1.34	1.79	0.805	0.786	1.15	0.867	1.27	0.662
Cadmium	7440-43-9	MG/KG		<0.155	<0.162	<0.159	<0.158	<0.154	<0.154	0.880	<0.150	0.229 J
Chromium	7440-47-3	MG/KG		9.64	<0.690	<0.677	11.7	3.84	<0.656	16.9	<0.638	21.1
Cobalt	7440-48-4	MG/KG		1.80	0.414 J	0.533 J	2.80	2.30	0.582	4.09	1.04 B	4.23
Copper	7440-50-8	MG/KG		3.93	0.971 J	1.74 J	5.19	3.86	0.725 J	16.9	<0.532	13.7
Lead	7439-92-1	MG/KG		10.3	9.94	10.3	14.0	15.7	7.93	21.0 J	6.46 J	13.8
Mercury	7439-97-6	MG/KG		0.0249 J	<0.0132	<0.0133	0.0188 J	0.0133 J	<0.0121	0.301	<0.0124	0.0408 J
Nickel	7440-02-0	MG/KG		6.02	<0.895	<0.879	4.55	2.85	<0.852	9.35	<0.828	9.04
Selenium	7782-49-2	MG/KG		<1.02	<1.07	<1.05	<1.04	<1.01	<1.02	<0.995	<0.989	<0.982
Silver	7440-22-4	MG/KG		<0.0757	<0.0793	<0.0794	<0.0768	<0.0759	<0.0762	5.69	<0.0734	<0.0750
Thallium	7440-28-0	MG/KG		0.200 J	0.277 J	0.353 J	0.226 J	0.164 J	0.237 J	0.198 J	0.447 J	0.255 J
Tin	7440-31-5	MG/KG		3.25 B	2.82 B	2.26 B	2.85 B	3.06 B	2.51 B	4.30 B	3.42 B	2.95 B
Vanadium	7440-62-2	MG/KG		19.6	4.17	2.97	25.7	7.92	3.74	35.3	2.90	25.9
Zinc	7440-66-6	MG/KG		18.5	12.4	12.8	28.3	19.0	11.7	249	11.8	123

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
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Analyte	CAS No.	Units	Location ID	22	22	23	23	24	24	27	27	28
			Field Sample ID	20884796	20884797	20884785	20884798	20884793	20884794	20889446	20889447	20884790
			Sample Name	BRE-S-22(0-1)	BRE-S-22(26.5-28)	BRE-S-23(28-30)	BRE-S-23(0-1)	BRE-S-24(0-1)	BRE-S-24(33-35)	BRE-S-27(0-1)	BRE-S-27(20-25)	BRE-S-28(0-2)
			Date Sampled	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/25/2008	09/27/2008	09/27/2008	09/26/2008
			Start Depth - End Depth	0 - 1	26.5 - 28	28 - 30	0 - 1	0 - 1	33 - 35	0 - 1	20 - 25	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		8.8	14.7	14.0	11.0	10.0	9.5	8.4	7.8	8.9
Percent Moisture	EVS0198	% BY WT.										

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
1,2-Dichloroethane	107-06-2	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Hexanone	591-78-6	MG/KG		<0.1100	<0.0030	<0.0020	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		<0.2600	0.0200	0.0160	0.0320	0.0180 J	0.0170 J	<0.0080	0.0890	0.0210
Acetonitrile	75-05-8	MG/KG		<0.9200	<0.0230	<0.0180	<0.0260	<0.0280	<0.0270	<0.0280	<0.0270	<0.0260
Acrolein	107-02-8	MG/KG		<0.7300	<0.0180	<0.0140	<0.0210	<0.0220	<0.0220	<0.0220	<0.0220	<0.0210
Acrylonitrile	107-13-1	MG/KG		<0.1500	<0.0040	<0.0030	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.0180	<0.00050	<0.00040	<0.00050	<0.00060	<0.00050	<0.00060	<0.00050	<0.00050
Bromodichloromethane	75-27-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	0.0010 J	<0.0010	0.0020 J	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.1100	<0.0030	<0.0020	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<3.7000	<0.0920	<0.0710	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1000
Methacrylonitrile	126-98-7	MG/KG		<0.1800	<0.0050	<0.0040	<0.0050	<0.0060	<0.0050	<0.0060	<0.0050	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

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Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.1500	<0.0040	<0.0030	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.1100	<0.0030	<0.0020	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<1.1000	<0.0280	<0.0210	<0.0320	<0.0330	<0.0320	<0.0330	<0.0320	<0.0310
Styrene	100-42-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.3700	<0.0090	<0.0070	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	0.0020 J	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0730	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0370	<0.00090	<0.00070	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>												
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
1,2-Diphenylhydrazine	122-66-7	MG/KG										
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
1,4-Dioxane	123-91-1	MG/KG		<0.1300	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<1.1000 UJ	<0.9200 UJ	<0.9400 UJ	<0.9200 UJ	<0.9300 UJ	<0.9300 UJ	<0.9200 UJ	<0.9500 UJ	<0.9000 UJ
1-Methylnaphthalene	90-12-0	MG/KG										
1-Naphthylamine	134-32-7	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2,4-Dinitrophenol	51-28-5	MG/KG		<0.8600	<0.7400	<0.7500	<0.7300	<0.7400	<0.7400	<0.7400	<0.7600	<0.7200
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2-Chloronaphthalene	91-58-7	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Chlorophenol	95-57-8	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Methylnaphthalene	91-57-6	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	0.0840 J	<0.0360

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
2-Naphthylamine	91-59-8	MG/KG		<0.2200 R	<0.1800 R	<0.1900 R	<0.1800 R	<0.1900 R	<0.1900 R	<0.1800 R	<0.1900 R	<0.1800 R
2-Nitroaniline	88-74-4	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Nitrophenol	88-75-5	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
2-Picoline	109-06-8	MG/KG		<0.1300	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
3- And 4- Methylphenol	EVS0197	MG/KG										
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1300	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.4300	<0.3700	<0.3700	<0.3700	<0.3700	<0.3700	<0.3700	<0.3800	<0.3600
3-Methylcholanthrene	56-49-5	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	0.1300 J	<0.0720
3-Nitroaniline	99-09-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG										
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
4-Aminobiphenyl	92-67-1	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4-Chloroaniline	106-47-8	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4-Nitroaniline	100-01-6	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
4-Nitrophenol	100-02-7	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4300	<0.3700	<0.3700	<0.3700	<0.3700	<0.3700	<0.3700	<0.3800	<0.3600
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	0.0390 J	<0.0360
Acenaphthene	83-32-9	MG/KG		<0.0430	0.1400 J	<0.0370	0.0500 J	<0.0370	<0.0370	<0.0370	0.4400	<0.0360
Acenaphthylene	208-96-8	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	0.2400	<0.0360
Acetophenone	98-86-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG										
Aniline	62-53-3	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
Anthracene	120-12-7	MG/KG		<0.0430	0.4100	<0.0370	0.1300 J	<0.0370	<0.0370	<0.0370	1.3000	0.0740 J
Aramite	140-57-8	MG/KG										
Benzaldehyde	100-52-7	MG/KG										
Benzidine	92-87-5	MG/KG										
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0430	1.4000	<0.0370	0.4200	<0.0370	<0.0370	<0.0370	3.6000	0.3200
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0430	1.7000	<0.0370	0.5700	<0.0370	<0.0370	<0.0370	4.4000	0.4200
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0430	0.8800	<0.0370	0.3500	<0.0370	<0.0370	<0.0370	2.3000	0.2600
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0430	0.6700	<0.0370	0.2100	<0.0370	<0.0370	<0.0370	1.6000	0.1500 J
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0430	1.3000	<0.0370	0.4000	<0.0370	<0.0370	<0.0370	3.5000	0.3200
Benzoic Acid	65-85-0	MG/KG										
Benzyl Alcohol	100-51-6	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG										

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0860	0.2700 J	<0.0750	0.0820 J	<0.0740	<0.0740	<0.0740	0.1300 J	<0.0720
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0860	0.2900	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	0.1500 J	<0.0720
Carbazole	86-74-8	MG/KG										
Chlorobenzilate	510-15-6	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Chrysene	218-01-9	MG/KG		<0.0430	1.4000	<0.0370	0.4200	<0.0370	<0.0370	<0.0370	3.6000	0.3100
Diallate	2303-16-4	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0430	0.2500	<0.0370	0.0760 J	<0.0370	<0.0370	<0.0370	0.5500	0.0600 J
Dibenzofuran	132-64-9	MG/KG		<0.0430	0.0950 J	1.1000	0.1800	<0.0370	<0.0370	<0.0370	0.2000	<0.0360
Diethyl Phthalate	84-66-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Dimethyl Phthalate	131-11-3	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Fluoranthene	206-44-0	MG/KG		<0.0430	2.7000	<0.0370	0.8800	<0.0370	<0.0370	<0.0370	7.6000	0.6400
Fluorene	86-73-7	MG/KG		<0.0430	0.1500 J	<0.0370	0.0430 J	<0.0370	<0.0370	<0.0370	0.5300	<0.0360
Hexachlorobenzene	118-74-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Hexachlorobutadiene	87-68-3	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
Hexachloroethane	67-72-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Hexachloropropylene	1888-71-7	MG/KG		<0.1300	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100	<0.1100
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0430	0.8000	<0.0370	0.2900	<0.0370	<0.0370	<0.0370	2.1000	0.2100
Isodrin	465-73-6	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Isophorone	78-59-1	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Isosafrole	120-58-1	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Methapyrilene	91-80-5	MG/KG		<2.2000	<1.8000	<1.9000	<1.8000	<1.9000	<1.9000	<1.8000 UJ	<1.9000 UJ	<1.8000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Naphthalene	91-20-3	MG/KG		<0.0430	0.0730 J	0.0420 J	<0.0370	<0.0370	<0.0370	<0.0370	0.2200	<0.0360
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Nitrobenzene	98-95-3	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.2600	<0.2200	<0.2200	<0.2200	<0.2200	<0.2200	<0.2200	<0.2300	<0.2200
para-Phenylenediamine	106-50-3	MG/KG		<15.0000 UJ	<13.0000 UJ	<13.0000 UJ	<13.0000 R	<13.0000 R	<13.0000 R	<13.0000 R	<13.0000 R	<13.0000 R
Pentachlorobenzene	608-93-5	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Pentachlorophenol	87-86-5	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
Phenacetin	62-44-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Phenanthrene	85-01-8	MG/KG		<0.0430	1.6000	<0.0370	0.5500	<0.0370	<0.0370	<0.0370	4.7000	0.3300
Phenol	108-95-2	MG/KG		<0.0430	<0.0370	0.1500 J	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
Pyrene	129-00-0	MG/KG		<0.0430	2.5000	<0.0370	0.8100	<0.0370	<0.0370	<0.0370	6.0000	0.5900
Pyridine	110-86-1	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Safrole	94-59-7	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Thionazin	297-97-2	MG/KG		<0.0860	<0.0740	<0.0750	<0.0730	<0.0740	<0.0740	<0.0740	<0.0760	<0.0720
Dimethoate	60-51-5	MG/KG		<0.2200	<0.1800	<0.1900	<0.1800	<0.1900	<0.1900	<0.1800	<0.1900	<0.1800
Pronamide	23950-58-5	MG/KG		<0.0430	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0380	<0.0360
<i>Dowtherm</i>												
Biphenyl	92-52-4	MG/KG		<0.0430	0.1200 J	360.0000	0.5500	<0.0370	<0.0370	<0.0370	0.0570 J	<0.0360
Diphenyl Ether	101-84-8	MG/KG		0.0900 J	1.8000	930.0000	5.1000	0.4000	<0.0370	<0.0370	0.0810 J	0.1400 J
<i>Glycols</i>												
Ethylene Glycol	107-21-1	MG/KG		<13.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Diethylene Glycol	111-46-6	MG/KG		<13.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Propylene Glycol	57-55-6	MG/KG		<13.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000	<11.0000
Triethylene Glycol	112-27-6	MG/KG		<65.0000	<55.0000	<56.0000	<55.0000	<56.0000	<56.0000	<55.0000	<57.0000	<54.0000
<i>Inorganics</i>												
Antimony	7440-36-0	MG/KG		<0.298 UJ	0.802 J	<0.264 UJ	0.334 J	<0.259 UJ	<0.261 UJ	<0.262 UJ	1.66 J	<0.249 UJ
Arsenic	7440-38-2	MG/KG		0.312 J	3.21	0.814 J	3.09	0.662 J	0.886 J	0.701 J	3.30	3.18
Barium	7440-39-3	MG/KG		29.0	91.9	29.3	75.2	19.8	18.7	41.4	70.7	63.4
Beryllium	7440-41-7	MG/KG		1.81	0.953	1.25	1.06	0.927	0.994	1.65	0.851	1.06
Cadmium	7440-43-9	MG/KG		<0.178	0.894	<0.157	0.281 J	<0.154	<0.155	<0.156	0.301 J	<0.148
Chromium	7440-47-3	MG/KG		<0.756	10.7	<0.668	25.5	2.87	2.06 J	<0.663	18.4	7.00
Cobalt	7440-48-4	MG/KG		0.762	3.46	0.746	3.77	1.85	1.77	1.45	4.92	5.60
Copper	7440-50-8	MG/KG		1.48 J	11.8	0.663 J	16.4	0.981 J	0.852 J	0.756 J	26.1	8.41
Lead	7439-92-1	MG/KG		10.4	20.9	10.6	14.3 J	13.5 J	10.8 J	8.22 J	16.5 J	11.3 J
Mercury	7439-97-6	MG/KG		<0.0140	0.0398 J	<0.0129	0.0189 J	<0.0126	<0.0126	<0.0118	0.0253 J	0.0163 J
Nickel	7440-02-0	MG/KG		<0.981	15.5	<0.868	9.60	1.03 J	<0.859	8.07	63.2	10.2
Selenium	7782-49-2	MG/KG		<1.17	<1.01	<1.04	<1.01	<1.02	<1.03	<1.03	<1.06	<0.976
Silver	7440-22-4	MG/KG		<0.0895	8.60	<0.0776	4.45	<0.0755	<0.0761	<0.0762	17.2	2.19
Thallium	7440-28-0	MG/KG		0.273 J	0.252 J	0.220 J	0.276 J	0.246 J	0.264 J	0.253 J	0.265 J	0.306 J
Tin	7440-31-5	MG/KG		2.60 B	4.09 B	2.50 B	3.68 B	3.58 B	3.48 B	3.04 B	3.95 B	3.57 B
Vanadium	7440-62-2	MG/KG		4.37	27.0	3.12	27.7	6.34	5.72	6.38	863	35.7
Zinc	7440-66-6	MG/KG		13.9	137	23.1	166	26.0	22.2	19.7	127	64.3

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	28	29	29	30	30	30	31	31	32
			Field Sample ID	20884791	20884787	20884788	20889449	20889450	20889451	20889455	20889456	20889453
			Sample Name	BRE-S-28(20-25)	BRE-S-29(0-1)	BRE-S-29(20-25)	BRE-S-30(0-1)	BRE-S-30(10-13)	BRE-S-30(10-13)-DUP	BRE-S-31(14-19)	BRE-S-31(0-1)	BRE-S-32(0-1)
			Date Sampled	09/26/2008	09/26/2008	09/26/2008	09/27/2008	09/27/2008	09/27/2008	09/29/2008	09/29/2008	09/27/2008
			Start Depth - End Depth	20 - 25	0 - 1	20 - 25	0 - 1	10 - 13	10 - 13	14 - 19	0 - 1	0 - 1
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Percent Moisture	EVS0198	%		22.9	9.8	11.1	9.2	10.4	10.2	9.5	12.3	7.5
Percent Moisture	EVS0198	% BY WT.										

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
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Analyte	CAS No.	Units	Location ID	32	33	33	34	34	35	35	35
			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040
Acetone	67-64-1	MG/KG		<0.0080	0.0370	0.0230	0.0400	0.0230	0.0840	<0.0080	0.0110 J
Acetonitrile	75-05-8	MG/KG		<0.0290	<0.0300	<0.0270	<0.0260	<0.0270	<0.0280	<0.0280	<0.0290
Acrolein	107-02-8	MG/KG		<0.0230	<0.0240	<0.0210	<0.0210	<0.0220	<0.0230	<0.0230	<0.0240
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	<0.0050	<0.0050	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00060	<0.00060	<0.00050	<0.00050	<0.00050	<0.00060	<0.00060	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	0.0010 J	<0.0010	<0.0010	<0.0010	<0.0010	0.0020 J	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<0.1100	<0.1200	<0.1100	<0.1000	<0.1100	<0.1100	<0.1100	<0.1200
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0060	<0.0050	<0.0050	<0.0050	<0.0060	<0.0060	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	32	33	33	34	34	35	35	35
			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	<0.0050	<0.0050	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0340	<0.0350	<0.0320	<0.0310	<0.0330	<0.0340	<0.0340	<0.0350
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0110	<0.0120	<0.0110	<0.0100	<0.0110	<0.0110	<0.0110	<0.0120
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	0.0030 J	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG									
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.5500	<0.1100	<0.1100	<0.1200	<0.1100	<0.1100	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9200 UJ	<4.6000 UJ	<0.9500 UJ	<0.9100 UJ	<0.9800 UJ	<0.9000 UJ	<0.9500 UJ	<0.9500 UJ
1-Methylnaphthalene	90-12-0	MG/KG									
1-Naphthylamine	134-32-7	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7300	<3.6000	<0.7600	<0.7300	<0.7800	<0.7200	<0.7600	<0.7600
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2-Chloronaphthalene	91-58-7	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Chlorophenol	95-57-8	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	32	33	33	34	34	35	35	35
			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
2-Naphthylamine	91-59-8	MG/KG		<0.1800 R	<0.9100 R	<0.1900 R	<0.1800	<0.2000	<0.1800 R	<0.1900	<0.1900 R
2-Nitroaniline	88-74-4	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Nitrophenol	88-75-5	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
2-Picoline	109-06-8	MG/KG		<0.1100	<0.5500	<0.1100	<0.1100	<0.1200	<0.1100	<0.1100	<0.1100
3- And 4- Methylphenol	EVS0197	MG/KG									
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.5500	<0.1100	<0.1100	<0.1200	<0.1100	<0.1100	<0.1100
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.3700	<1.8000	<0.3800	<0.3600	<0.3900	<0.3600	<0.3800	<0.3800
3-Methylcholanthrene	56-49-5	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
3-Nitroaniline	99-09-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG									
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
4-Aminobiphenyl	92-67-1	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4-Chloroaniline	106-47-8	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4-Nitroaniline	100-01-6	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
4-Nitrophenol	100-02-7	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3700	<1.8000	<0.3800	<0.3600	<0.3900	<0.3600	<0.3800	<0.3800
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Acenaphthene	83-32-9	MG/KG		<0.0370	0.7700 J	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Acenaphthylene	208-96-8	MG/KG		<0.0370	0.5200 J	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Acetophenone	98-86-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG									
Aniline	62-53-3	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
Anthracene	120-12-7	MG/KG		<0.0370	2.7000	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Aramite	140-57-8	MG/KG									
Benzaldehyde	100-52-7	MG/KG									
Benzidine	92-87-5	MG/KG									
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0370	7.3000	<0.0380	0.0520 J	<0.0390	<0.0360	<0.0380	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0370	8.0000	<0.0380	0.0610 J	<0.0390	<0.0360	<0.0380	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0370	4.0000	<0.0380	0.0410 J	<0.0390	<0.0360	<0.0380	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0370	3.3000	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0370	6.4000	<0.0380	0.0490 J	<0.0390	<0.0360	<0.0380	<0.0380
Benzoic Acid	65-85-0	MG/KG									
Benzyl Alcohol	100-51-6	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG									

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	32	33	33	34	34	35	35	35
			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0730	<0.3600	<0.0760	0.2100 J	<0.0780	<0.0720	<0.0760	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Carbazole	86-74-8	MG/KG									
Chlorobenzilate	510-15-6	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Chrysene	218-01-9	MG/KG		<0.0370	6.6000	<0.0380	0.0470 J	<0.0390	<0.0360	<0.0380	<0.0380
Diallate	2303-16-4	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0370	1.1000	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Dibenzofuran	132-64-9	MG/KG		<0.0370	0.4300 J	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Diethyl Phthalate	84-66-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Dimethyl Phthalate	131-11-3	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Fluoranthene	206-44-0	MG/KG		<0.0370	16.0000	<0.0380	0.0890 J	<0.0390	<0.0360	<0.0380	<0.0380
Fluorene	86-73-7	MG/KG		<0.0370	1.2000	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Hexachlorobenzene	118-74-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Hexachlorobutadiene	87-68-3	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
Hexachloroethane	67-72-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.5500	<0.1100	<0.1100	<0.1200	<0.1100	<0.1100	<0.1100
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0370	3.6000	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Isodrin	465-73-6	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Isophorone	78-59-1	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Isosafrole	120-58-1	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Methapyrilene	91-80-5	MG/KG		<1.8000	<9.1000	<1.9000	<1.8000	<2.0000	<1.8000 UJ	<1.9000	<1.9000 UJ
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Naphthalene	91-20-3	MG/KG		<0.0370	0.3400 J	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Nitrobenzene	98-95-3	MG/KG		<0.0370	0.5500 J	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760

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			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
O-Toluidine	95-53-4	MG/KG		<0.2200	<1.1000	<0.2300	<0.2200	<0.2300	<0.2200	<0.2300	<0.2300
para-Phenylenediamine	106-50-3	MG/KG		<13.0000 UJ	<64.0000 UJ	<13.0000 UJ	<13.0000 UJ	<14.0000 UJ	<13.0000 R	<13.0000 R	<13.0000 R
Pentachlorobenzene	608-93-5	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Pentachlorophenol	87-86-5	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
Phenacetin	62-44-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Phenanthrene	85-01-8	MG/KG		<0.0370	11.0000	<0.0380	0.0530 J	<0.0390	<0.0360	<0.0380	<0.0380
Phenol	108-95-2	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Pyrene	129-00-0	MG/KG		<0.0370	12.0000	<0.0380	0.0900 J	<0.0390	<0.0360	<0.0380	<0.0380
Pyridine	110-86-1	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Safrole	94-59-7	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Thionazin	297-97-2	MG/KG		<0.0730	<0.3600	<0.0760	<0.0730	<0.0780	<0.0720	<0.0760	<0.0760
Dimethoate	60-51-5	MG/KG		<0.1800	<0.9100	<0.1900	<0.1800	<0.2000	<0.1800	<0.1900	<0.1900
Pronamide	23950-58-5	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
<i>Dowtherm</i>											
Biphenyl	92-52-4	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
Diphenyl Ether	101-84-8	MG/KG		<0.0370	<0.1800	<0.0380	<0.0360	<0.0390	<0.0360	<0.0380	<0.0380
<i>Glycols</i>											
Ethylene Glycol	107-21-1	MG/KG		<11.0000	<11.0000	<11.0000	<11.0000 UJ	<12.0000 UJ	<11.0000	<11.0000	<11.0000
Diethylene Glycol	111-46-6	MG/KG		<11.0000	<11.0000	<11.0000	<11.0000 UJ	<12.0000 UJ	<11.0000	<11.0000	<11.0000
Propylene Glycol	57-55-6	MG/KG		<11.0000	<11.0000	<11.0000	<11.0000 UJ	<12.0000 UJ	<11.0000	<11.0000	<11.0000
Triethylene Glycol	112-27-6	MG/KG		<55.0000	<55.0000	<57.0000	<54.0000 UJ	<59.0000 UJ	<54.0000	<57.0000	<57.0000
<i>Inorganics</i>											
Antimony	7440-36-0	MG/KG		<0.253 UJ	<0.256 UJ	<0.261 UJ	<0.258 UJ	<0.278 UJ	<0.250 UJ	<0.264 UJ	<0.261 UJ
Arsenic	7440-38-2	MG/KG		1.64 J	2.37	2.87	0.788 J	0.241 J	4.01	0.827 J	1.20 J
Barium	7440-39-3	MG/KG		131	43.7	57.0	19.8	12.1	177	34.9	34.2
Beryllium	7440-41-7	MG/KG		1.51	1.11	0.893	1.68	0.986	1.02	1.38	1.46
Cadmium	7440-43-9	MG/KG		<0.150	0.372 J	<0.156	<0.154	<0.165	<0.149	<0.157	<0.155
Chromium	7440-47-3	MG/KG		<0.640	5.99	3.48	<0.654	<0.703	13.4	0.689 J	1.02 J
Cobalt	7440-48-4	MG/KG		1.14	3.11	3.99	1.64	1.30	4.20	1.74	1.75
Copper	7440-50-8	MG/KG		1.66 J	11.0	5.27	1.06 J	3.93	17.6	2.91	3.26
Lead	7439-92-1	MG/KG		10.1 J	8.46 J	6.32 J	10.8	11.4	5.69 J	13.8 J	14.6 J
Mercury	7439-97-6	MG/KG		<0.0123	<0.0121	<0.0124	<0.0121	<0.0132	<0.0123	<0.0125	<0.0124
Nickel	7440-02-0	MG/KG		<0.831	3.03	3.49	0.964 J	0.975 J	7.85	<0.867	<0.858
Selenium	7782-49-2	MG/KG		<0.992	<1.01	<1.03	<1.01	<1.09	<0.980	<1.03	<1.02
Silver	7440-22-4	MG/KG		<0.0736	18.5	1.57	<0.0752	<0.0808	0.148 J	<0.0768	<0.0760
Thallium	7440-28-0	MG/KG		0.336 J	0.276 J	0.339 J	0.189 J	<0.176	0.199 J	0.346 J	0.297 J
Tin	7440-31-5	MG/KG		3.32 B	3.33 B	3.33 B	1.96 B	2.32 B	3.63 B	3.57 B	3.36 B
Vanadium	7440-62-2	MG/KG		5.40	12.2	15.2	5.19	4.73	20.4	6.10	5.91
Zinc	7440-66-6	MG/KG		19.6	130	47.1	20.1	18.1	39.4	22.3	21.1

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	32	33	33	34	34	35	35	35
			Field Sample ID	20942143	20942145	20942146	20942150	20942151	20889458	20889459	20889460
			Sample Name	BRE-S-32(15-20)	BRE-S-33(0-1)	BRE-S-33(17-22)	BRE-S-34(0-1)	BRE-S-34(15-20)	BRE-S-35(0-1)	BRE-S-35(18-23)	BRE-S-35(18-23)-DUP
			Date Sampled	09/27/2008	09/28/2008	09/28/2008	09/28/2008	09/28/2008	09/29/2008	09/29/2008	09/29/2008
			Start Depth - End Depth	15 - 20	0 - 1	17 - 22	0 - 1	15 - 20	0 - 1	18 - 23	18 - 23
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP
Percent Moisture	EVS0198	%		9.0	8.5	12.0	8.2	14.6	7.9	11.9	11.9
Percent Moisture	EVS0198	% BY WT.									

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Hexanone	591-78-6	MG/KG		<0.0030	<0.0030	<0.0030		<0.0040	<0.0040
Acetone	67-64-1	MG/KG		0.0140 J	<0.0080	0.0170 J		<0.0100	<0.0090
Acetonitrile	75-05-8	MG/KG		<0.0270	<0.0280	<0.0280		<0.0370	<0.0310
Acrolein	107-02-8	MG/KG		<0.0210	<0.0230	<0.0220		<0.0300	<0.0250
Acrylonitrile	107-13-1	MG/KG		<0.0040	<0.0050	<0.0040		<0.0060	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<0.00060	<0.00060		<0.00070	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<0.0030	<0.0030		<0.0040	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<0.1100	<0.1100	<0.1100		<0.1500	<0.1200
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<0.0060	<0.0060		<0.0070	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<0.0050	<0.0040		<0.0060	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<0.0030	<0.0030		<0.0040	<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	0.0030 J
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0320	<0.0340	<0.0340		<0.0450	<0.0370
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0110	<0.0110	<0.0110		<0.0150	<0.0120
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020		<0.0030	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010		<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG					<0.0390	<0.0420	<0.0390
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<0.1100	<0.1100	<0.1200	<0.1300	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<0.8800	<0.9100 UJ	<0.9300 UJ	<0.9700 UJ	<1.0000 UJ	<0.9800 UJ
1-Methylnaphthalene	90-12-0	MG/KG					<0.0390	<0.0420	<0.0390
1-Naphthylamine	134-32-7	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0700	<0.0730	<0.0750	<0.0390	<0.0420	<0.0390
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0700	<0.0730	<0.0750	<0.0390	<0.0420	<0.0390
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7000	<0.7300	<0.7500	<0.7800	<0.8400	<0.7900
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
2-Chloronaphthalene	91-58-7	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Chlorophenol	95-57-8	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.0390	<0.0420	<0.0390
2-Naphthylamine	91-59-8	MG/KG		<0.1800	<0.1800 R	<0.1900 R	<0.1900	<0.2100	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Nitrophenol	88-75-5	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
2-Picoline	109-06-8	MG/KG		<0.1100	<0.1100	<0.1100	<0.0780	<0.0840	<0.0790
3- And 4- Methylphenol	EVS0197	MG/KG							
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1100	<0.1100	<0.1100	<0.0780	<0.0840	<0.0790
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.3500	<0.3700	<0.3700	<0.1900	<0.2100	<0.2000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
3-Nitroaniline	99-09-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG					<0.0390	<0.0420	<0.0390
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
4-Chloroaniline	106-47-8	MG/KG		<0.0700	<0.0730	<0.0750	<0.0390	<0.0420	<0.0390
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
4-Nitroaniline	100-01-6	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
4-Nitrophenol	100-02-7	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3500	<0.3700	<0.3700	<0.3900	<0.4200	<0.3900
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Acenaphthene	83-32-9	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Acenaphthylene	208-96-8	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Acetophenone	98-86-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG							
Aniline	62-53-3	MG/KG		<0.1800	<0.1800	<0.1900	<0.0390	<0.0420	<0.0390
Anthracene	120-12-7	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Aramite	140-57-8	MG/KG							
Benzaldehyde	100-52-7	MG/KG					<0.0390	<0.0420	<0.0390
Benzidine	92-87-5	MG/KG					<0.7800	<0.8400	<0.7900
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Benzoic Acid	65-85-0	MG/KG					<0.1900	<0.2100	<0.2000
Benzyl Alcohol	100-51-6	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG							

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.1200	0.1800 J	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Carbazole	86-74-8	MG/KG					<0.0390	<0.0420	<0.0390
Chlorobenzilate	510-15-6	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Chrysene	218-01-9	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Diallate	2303-16-4	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Dibenzofuran	132-64-9	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Diethyl Phthalate	84-66-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Dimethyl Phthalate	131-11-3	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Fluoranthene	206-44-0	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Fluorene	86-73-7	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Hexachlorobenzene	118-74-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Hexachlorobutadiene	87-68-3	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<0.1100	<0.1100	<0.1200	<0.1300	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Isodrin	465-73-6	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Isophorone	78-59-1	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Isosafrole	120-58-1	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Methapyrilene	91-80-5	MG/KG		<1.8000	<1.8000	<1.9000 R	<0.1200	<0.1300	<0.1200
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Naphthalene	91-20-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Nitrobenzene	98-95-3	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.2100	<0.2200	<0.2200	<0.0780	<0.0840	<0.0790
para-Phenylenediamine	106-50-3	MG/KG		<12.0000 R	<13.0000 UJ	<13.0000 R	<2.9000 UJ	<3.1000 R	<2.9000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0700	<0.0730	<0.0750	<0.1600	<0.1700	<0.1600
Pentachlorophenol	87-86-5	MG/KG		<0.1800	<0.1800	<0.1900	<0.1900	<0.2100	<0.2000
Phenacetin	62-44-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Phenanthrene	85-01-8	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Phenol	108-95-2	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Pyrene	129-00-0	MG/KG		<0.0350	<0.0370	<0.0370	<0.0390	<0.0420	<0.0390
Pyridine	110-86-1	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Safrole	94-59-7	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Thionazin	297-97-2	MG/KG		<0.0700	<0.0730	<0.0750	<0.0780	<0.0840	<0.0790
Dimethoate	60-51-5	MG/KG		<0.1800	<0.1800	<0.1900	<0.0390	<0.0420	<0.0390
Pronamide	23950-58-5	MG/KG		<0.0350	<0.0370	<0.0370	<0.1600	<0.1700	<0.1600
<i>Dowtherm</i>									
Biphenyl	92-52-4	MG/KG		<0.0350	<0.0370	<0.0370			
Diphenyl Ether	101-84-8	MG/KG		<0.0350	<0.0370	<0.0370			
<i>Glycols</i>									
Ethylene Glycol	107-21-1	MG/KG		<11.0000 UJ	<11.0000	<11.0000 UJ			
Diethylene Glycol	111-46-6	MG/KG		<11.0000 UJ	<11.0000	<11.0000 UJ			
Propylene Glycol	57-55-6	MG/KG		<11.0000 UJ	<11.0000	<11.0000 UJ			
Triethylene Glycol	112-27-6	MG/KG		<53.0000 UJ	<55.0000	<56.0000 UJ			
<i>Inorganics</i>									
Antimony	7440-36-0	MG/KG		<0.239 UJ	<0.257 UJ	<0.258 UJ	<0.853 UJ	<0.927 UJ	<0.863 UJ
Arsenic	7440-38-2	MG/KG		1.07 J	1.66 J	1.29 J	0.930 J	1.57	<0.560
Barium	7440-39-3	MG/KG		30.4	29.7	30.8	80.0	55.8	42.7
Beryllium	7440-41-7	MG/KG		1.68	1.60	1.70	1.69	1.87	1.06
Cadmium	7440-43-9	MG/KG		<0.142	<0.153	<0.153	0.161 J	0.355 J	0.168 J
Chromium	7440-47-3	MG/KG		<0.606	1.03 J	<0.652	3.01	4.84	4.22
Cobalt	7440-48-4	MG/KG		1.47	2.44	1.58	6.44	3.87	6.88
Copper	7440-50-8	MG/KG		2.23	1.07 J	2.62	6.21	9.61	5.74
Lead	7439-92-1	MG/KG		15.2	11.8 J	11.0	9.86	56.7	4.77
Mercury	7439-97-6	MG/KG		<0.0117	<0.0118	<0.0127	<0.0039	0.0254 J	0.0076 J
Nickel	7440-02-0	MG/KG		0.874 J	2.31	0.992 J	3.66	8.69	2.94
Selenium	7782-49-2	MG/KG		<0.939	<1.01	<1.01	<0.991	<1.08	<1.00
Silver	7440-22-4	MG/KG		<0.0697	<0.0748	<0.0750	<0.150	<0.163	<0.152
Thallium	7440-28-0	MG/KG		0.302 J	0.229 J	0.324 J	<1.06	<1.15	<1.07
Tin	7440-31-5	MG/KG		3.71 B	3.55 B	2.35 B	5.43 B	7.77 J	7.04 J
Vanadium	7440-62-2	MG/KG		5.14	8.20	4.90	13.8	21.6	18.7
Zinc	7440-66-6	MG/KG		21.1	23.0	21.4	32.8	29.3	28.5

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	36	36	36	AFBASH-SS-1	AFBSATFUEL-SS-1	AFBSATFUEL-SS-2
			Field Sample ID	20883626	20942147	20942148	13527751	13527755	13527753
			Sample Name	BRE-S-36(10-15)-DUP	BRE-S-36(0-1)	BRE-S-36(10-15)	BRE-S-AFBASH-SS-1	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)
			Date Sampled	09/28/2008	09/28/2008	09/28/2008	07/26/2004	07/26/2004	07/26/2004
			Start Depth - End Depth	10 - 15	0 - 1	10 - 15		4 - 8	2 - 6
			Sample Purpose	DUP	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		4.8	8.7	10.7	14.1	20.2	15.1
Percent Moisture	EVS0198	% BY WT.							

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Hexanone	591-78-6	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetone	67-64-1	MG/KG		0.0250 J	0.0140 J	<0.0090	<0.0080	0.0220 J	0.1600
Acetonitrile	75-05-8	MG/KG		<0.0320	<0.0330	<0.0320	<0.0300	<0.0310	<0.0340
Acrolein	107-02-8	MG/KG		<0.0260	<0.0270	<0.0260	<0.0240	<0.0250	<0.0270
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00060	<0.00070	<0.00060	<0.00060	<0.00060	<0.00070
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010 J
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030
Ethyl Chloride	75-00-3	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0150
Iodomethane	74-88-4	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<0.1300	<0.1300	<0.1300	<0.1200	<0.1200	<0.1300
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0070	<0.0060	<0.0060	<0.0060	<0.0070
Methyl Bromide	74-83-9	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030
Methyl Chloride	74-87-3	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0230
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0030	0.0050 J	0.0040 J	0.0070	0.0180 B	0.0190
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0390	<0.0400	<0.0380	<0.0360	<0.0370	<0.0400
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0210
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0170
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0130	<0.0130	<0.0130	<0.0120	<0.0120	<0.0130
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		0.0150	0.0170	0.0280	0.0160	0.0050 J	15.0000
Vinyl Acetate	108-05-4	MG/KG		<0.0030	<0.0030	<0.0030	<0.0020	<0.0020	<0.0030
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0970
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<1.2000
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9800 UJ	<1.0000 UJ	<0.9900 UJ	<0.9900 UJ	<0.9800 UJ	<10.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	8.1000
1-Naphthylamine	134-32-7	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7800	<0.8200	<0.7900	<0.7900	<0.7800	<8.3000
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
2-Chloronaphthalene	91-58-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Chlorophenol	95-57-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Methylnaphthalene	91-57-6	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	11.0000

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Naphthylamine	91-59-8	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
2-Nitroaniline	88-74-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Nitrophenol	88-75-5	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
2-Picoline	109-06-8	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
3- And 4- Methylphenol	EVS0197	MG/KG							
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
3-Nitroaniline	99-09-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
4-Chloroaniline	106-47-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
4-Nitroaniline	100-01-6	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
4-Nitrophenol	100-02-7	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3900	<0.4100	<0.3900	<0.4000	<0.3900	<4.1000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	5.7000
Acenaphthene	83-32-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	1.9000 J
Acenaphthylene	208-96-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Acetophenone	98-86-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG							
Aniline	62-53-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Anthracene	120-12-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.4100 J
Aramite	140-57-8	MG/KG							
Benzaldehyde	100-52-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Benzidine	92-87-5	MG/KG		<0.7800	<0.8200	<0.7900	<0.7900	<0.7800	<8.3000
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	2.8000 J
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	2.6000 J
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	1.6000 J
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	4.4000
Benzoic Acid	65-85-0	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
Benzyl Alcohol	100-51-6	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG							

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		0.2000 J	<0.1200	<0.1200	<0.1200	0.2000 J	<1.2000
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Carbazole	86-74-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.4200 J
Chlorobenzilate	510-15-6	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Chrysene	218-01-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	12.0000
Diallate	2303-16-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.9600 J
Dibenzofuran	132-64-9	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.7000 J
Diethyl Phthalate	84-66-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Dimethyl Phthalate	131-11-3	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Fluoranthene	206-44-0	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	1.2000 J
Fluorene	86-73-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	2.4000 J
Hexachlorobenzene	118-74-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Hexachlorobutadiene	87-68-3	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
Hexachloroethane	67-72-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1200	<0.1200	<0.1200	<0.1200	<1.2000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.7800 J
Isodrin	465-73-6	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Isophorone	78-59-1	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Isosafrole	120-58-1	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Methapyrilene	91-80-5	MG/KG		<0.1200	<0.1200	<0.1200	<0.1200	<0.1200 R	<1.2000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Naphthalene	91-20-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	1.6000 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Nitrobenzene	98-95-3	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
para-Phenylenediamine	106-50-3	MG/KG		<2.9000 UJ	<3.1000 UJ	<3.0000 UJ	<3.0000 UJ	<2.9000 R	<31.0000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Pentachloronitrobenzene	82-68-8	MG/KG		<0.1600	<0.1600	<0.1600	<0.1600	<0.1600	<1.7000
Pentachlorophenol	87-86-5	MG/KG		<0.2000	<0.2000	<0.2000	<0.2000	<0.2000	<2.1000
Phenacetin	62-44-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Phenanthrene	85-01-8	MG/KG		<0.0390	0.0760 J	<0.0390	<0.0400	<0.0390	7.8000
Phenol	108-95-2	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Pyrene	129-00-0	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	6.7000
Pyridine	110-86-1	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Safrole	94-59-7	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Thionazin	297-97-2	MG/KG		<0.0780	<0.0820	<0.0790	<0.0790	<0.0780	<0.8300
Dimethoate	60-51-5	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
Pronamide	23950-58-5	MG/KG		<0.1600	<0.1600	<0.1600	<0.1600	<0.1600	<1.7000
<i>Dowtherm</i>									
Biphenyl	92-52-4	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	0.8800 J
Diphenyl Ether	101-84-8	MG/KG		<0.0390	<0.0410	<0.0390	<0.0400	<0.0390	<0.4100
<i>Glycols</i>									
Ethylene Glycol	107-21-1	MG/KG		<2.6000	<2.6000	<2.5000	<2.5000	<2.6000	<2.6000
Diethylene Glycol	111-46-6	MG/KG		<2.7000	<2.7000	<2.7000	<2.7000	<2.7000	<2.8000
Propylene Glycol	57-55-6	MG/KG		<3.3000	<3.3000	<3.2000	<3.2000	<3.3000	<3.3000
Triethylene Glycol	112-27-6	MG/KG		<3.5000	<3.5000	<3.5000	<3.5000	<3.5000	<3.6000
<i>Inorganics</i>									
Antimony	7440-36-0	MG/KG		<0.853 UJ	<0.897 UJ	<0.858 UJ	<0.852 UJ	<0.854 UJ	<0.910 UJ
Arsenic	7440-38-2	MG/KG		1.06 J	1.83	1.10 J	1.64	1.73	0.610 J
Barium	7440-39-3	MG/KG		29.4	40.4	41.1	40.2	51.3	39.0
Beryllium	7440-41-7	MG/KG		1.36	1.38	1.30	1.19	1.30	1.06
Cadmium	7440-43-9	MG/KG		<0.0645	<0.0679	<0.0649	<0.0645	<0.0646	<0.0689
Chromium	7440-47-3	MG/KG		0.818 J	3.15 J	3.52 J	3.01 J	4.16 J	4.00 J
Cobalt	7440-48-4	MG/KG		2.31	17.1	1.97	2.11	2.22	4.53
Copper	7440-50-8	MG/KG		0.512 J	4.25	1.89	2.75	3.04	2.16
Lead	7439-92-1	MG/KG		11.2	50.5	15.2	15.3	14.2	17.1
Mercury	7439-97-6	MG/KG		<0.0039	<0.0039	<0.0039	0.0147 J	0.0140 J	0.0173 J
Nickel	7440-02-0	MG/KG		0.475 J	1.99	2.06	2.55	3.02	5.13
Selenium	7782-49-2	MG/KG		<0.991	<1.04	<0.997	<0.990	<0.992	<1.06
Silver	7440-22-4	MG/KG		<0.150	<0.158	<0.151	<0.150	0.288 J	<0.160
Thallium	7440-28-0	MG/KG		1.43 J	4.29	<1.07	<1.06	<1.06	<1.13
Tin	7440-31-5	MG/KG		3.71 B	3.30 B	3.32 B	5.32 B	5.09 B	5.24 B
Vanadium	7440-62-2	MG/KG		20.1	10.5	7.79	9.51	12.4	25.7
Zinc	7440-66-6	MG/KG		20.7	40.1	38.9	18.2	29.0	45.7

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCA-SS-1	AOCA-SS-2	AOCA-SS-3	AOCA-SS-4	AOCA-SS-5	AOCA-SS-6
			Field Sample ID	13447424	13447426	13447428	13447430	13447432	13447434
			Sample Name	BRE-S-AOCA-SS-1(4-8)	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)	BRE-S-AOCA-SS-4(0-2)	BRE-S-AOCA-SS-5(0-2)	BRE-S-AOCA-SS-6(0-2)
			Date Sampled	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004	08/02/2004
			Start Depth - End Depth	4 - 8	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		14.9	18.3	15.4	15.7	15.0	19.5
Percent Moisture	EVS0198	% BY WT.							

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Hexanone	591-78-6	MG/KG		<0.0040	<0.0030	<0.0050	<0.0040	<0.0050	<0.0040
Acetone	67-64-1	MG/KG		<0.0090	0.0130 J	<0.0120	<0.0090	<0.0110	0.0140 J
Acetonitrile	75-05-8	MG/KG		<0.0330	<0.0290	<0.0410	<0.0310	<0.0390	<0.0330
Acrolein	107-02-8	MG/KG		<0.0260	<0.0230	<0.0330	<0.0240	<0.0310	<0.0260
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0050	<0.0070	<0.0050	<0.0060	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Benzene	71-43-2	MG/KG		<0.00070	<0.00060	<0.00080	<0.00060	<0.00080	<0.00070
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Ethyl Chloride	75-00-3	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0040	<0.0030	<0.0050	<0.0040	<0.0050	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<0.1300	<0.1100	<0.1600	<0.1200	<0.1600	<0.1300
Methacrylonitrile	126-98-7	MG/KG		<0.0070	<0.0060	<0.0080	<0.0060	<0.0080	<0.0070
Methyl Bromide	74-83-9	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Methyl Chloride	74-87-3	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0050	<0.0070	<0.0050	<0.0060	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0040	<0.0030	<0.0050	<0.0040	<0.0050	<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0390	<0.0340	<0.0490	<0.0370	<0.0470	<0.0390
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0130	<0.0110	<0.0160	<0.0120	<0.0160	<0.0130
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Vinyl Acetate	108-05-4	MG/KG		<0.0030	<0.0020	<0.0030	<0.0020	<0.0030	<0.0030
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
1,4-Dioxane	123-91-1	MG/KG		<0.1300	<0.1200	<0.1200	<0.1100	<0.1100	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<1.1000 UJ	<0.9600 UJ	<0.9600 UJ	<0.9500 UJ	<0.9500 UJ	<0.9600 UJ
1-Methylnaphthalene	90-12-0	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
1-Naphthylamine	134-32-7	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2,4-Dinitrophenol	51-28-5	MG/KG		<0.8600	<0.7700	<0.7700	<0.7600	<0.7600	<0.7700
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
2-Chloronaphthalene	91-58-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Chlorophenol	95-57-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Methylnaphthalene	91-57-6	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
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Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Naphthylamine	91-59-8	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
2-Nitroaniline	88-74-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Nitrophenol	88-75-5	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
2-Picoline	109-06-8	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
3- And 4- Methylphenol	EVS0197	MG/KG							
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
3-Methylcholanthrene	56-49-5	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
3-Nitroaniline	99-09-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
4-Aminobiphenyl	92-67-1	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
4-Chloroaniline	106-47-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
4-Nitroaniline	100-01-6	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
4-Nitrophenol	100-02-7	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4300	<0.3900	<0.3800	<0.3800	<0.3800	<0.3900
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Acenaphthene	83-32-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Acenaphthylene	208-96-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Acetophenone	98-86-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG							
Aniline	62-53-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Anthracene	120-12-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Aramite	140-57-8	MG/KG							
Benzaldehyde	100-52-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzidine	92-87-5	MG/KG		<0.8600	<0.7700	<0.7700	<0.7600	<0.7600	<0.7700
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Benzoic Acid	65-85-0	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
Benzyl Alcohol	100-51-6	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG							

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.1300	<0.1200	<0.1200	<0.1100	<0.1100	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Carbazole	86-74-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Chlorobenzilate	510-15-6	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Chrysene	218-01-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Diallate	2303-16-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Dibenzofuran	132-64-9	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Diethyl Phthalate	84-66-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Dimethyl Phthalate	131-11-3	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Fluoranthene	206-44-0	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Fluorene	86-73-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Hexachlorobenzene	118-74-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Hexachlorobutadiene	87-68-3	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
Hexachloroethane	67-72-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Hexachloropropylene	1888-71-7	MG/KG		<0.1300	<0.1200	<0.1200	<0.1100	<0.1100	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Isodrin	465-73-6	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Isophorone	78-59-1	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Isosafrole	120-58-1	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Methapyrilene	91-80-5	MG/KG		<0.1300	<0.1200	<0.1200	<0.1100	<0.1100	<0.1200
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Naphthalene	91-20-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Nitrobenzene	98-95-3	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
para-Phenylenediamine	106-50-3	MG/KG		<3.2000 UJ	<2.9000 UJ	<2.9000 UJ	<2.9000 UJ	<2.9000 UJ	<2.9000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Pentachloronitrobenzene	82-68-8	MG/KG		<0.1700	<0.1500	<0.1500	<0.1500	<0.1500	<0.1500
Pentachlorophenol	87-86-5	MG/KG		<0.2200	<0.1900	<0.1900	<0.1900	<0.1900	<0.1900
Phenacetin	62-44-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Phenanthrene	85-01-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Phenol	108-95-2	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Pyrene	129-00-0	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Pyridine	110-86-1	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Safrole	94-59-7	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Thionazin	297-97-2	MG/KG		<0.0860	<0.0770	<0.0770	<0.0760	<0.0760	<0.0770
Dimethoate	60-51-5	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Pronamide	23950-58-5	MG/KG		<0.1700	<0.1500	<0.1500	<0.1500	<0.1500	<0.1500
<i>Dowtherm</i>									
Biphenyl	92-52-4	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
Diphenyl Ether	101-84-8	MG/KG		<0.0430	<0.0390	<0.0380	<0.0380	<0.0380	<0.0390
<i>Glycols</i>									
Ethylene Glycol	107-21-1	MG/KG		<2.6000	<2.3000	<2.5000	<2.5000	<2.6000	<2.3000 UJ
Diethylene Glycol	111-46-6	MG/KG		<2.7000	<2.4000	<2.6000	<2.6000	<2.7000	<2.4000 UJ
Propylene Glycol	57-55-6	MG/KG		<3.3000	<2.9000	<3.2000	<3.2000	<3.3000	<2.9000 UJ
Triethylene Glycol	112-27-6	MG/KG		<3.5000	<3.1000	<3.4000	<3.4000	<3.5000	<3.1000 UJ
<i>Inorganics</i>									
Antimony	7440-36-0	MG/KG		<0.931	0.852 J	<0.835	<0.821	<0.828	<0.831 UJ
Arsenic	7440-38-2	MG/KG		<0.604	2.41	1.49	0.685 J	0.892 J	1.70
Barium	7440-39-3	MG/KG		74.3	26.8	66.0	36.3	172	74.8
Beryllium	7440-41-7	MG/KG		1.09	0.611	1.38	1.20	1.06	1.35
Cadmium	7440-43-9	MG/KG		<0.0704	<0.0641	<0.0632	<0.0621	<0.0627	<0.0629
Chromium	7440-47-3	MG/KG		0.610 J	6.02	2.43	0.382 J	1.06	0.842
Cobalt	7440-48-4	MG/KG		0.912	1.52	2.83	2.11	6.19	2.02
Copper	7440-50-8	MG/KG		4.42	3.32	2.36	0.186 J	3.37	1.56
Lead	7439-92-1	MG/KG		7.22	9.09	12.9	8.66	13.1	10.6
Mercury	7439-97-6	MG/KG		0.0101 B	0.0354 B	0.0204 B	0.0092 B	0.0114 B	<0.0037
Nickel	7440-02-0	MG/KG		<0.289	3.71	2.31	0.454 J	2.76	1.14
Selenium	7782-49-2	MG/KG		<1.08	<0.984	<0.970	<0.954	<0.962	<0.965
Silver	7440-22-4	MG/KG		<0.163	<0.149	<0.147	<0.144	<0.145	<0.146
Thallium	7440-28-0	MG/KG		<1.16	<5.27	<1.04	<1.02	<1.03	<1.03
Tin	7440-31-5	MG/KG		3.26 B	3.53 B	4.04 B	3.46 B	4.37 B	4.29 B
Vanadium	7440-62-2	MG/KG		3.15	15.6	9.14	4.42	6.18	6.00
Zinc	7440-66-6	MG/KG		19.5	20.9	25.6	19.2	35.6	28.6

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCB-SS-1	AOCB-SS-2	AOCB-SS-3	AOCB-SS-4	AOCB-SS-5	AOCB-SS-6
			Field Sample ID	13447330	13447332	13447334	13447336	13447338	13524562
			Sample Name	BRE-S-AOCB-SS-1(4-8)	BRE-S-AOCB-SS-2(4-8)	BRE-S-AOCB-SS-3(0-4)	BRE-S-AOCB-SS-4(4-8)	BRE-S-AOCB-SS-5(4-8)	BRE-S-AOCB-SS-6(4-8)
			Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004	08/04/2004
			Start Depth - End Depth	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		22.8	13.5	13.1	12.5	12.4	13.5
Percent Moisture	EVS0198	% BY WT.							

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG						<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG						<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG						<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG						<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG						<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG						<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG						<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG						<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG						<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG						<0.0410	<0.0400
1,2-Dichloroethane	107-06-2	MG/KG						<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG						<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG						<0.0410	<0.0400
1,4-Dichlorobenzene	106-46-7	MG/KG						<0.0410	<0.0400
2-Hexanone	591-78-6	MG/KG						<0.0030	<0.0030
Acetone	67-64-1	MG/KG						0.0390	0.0220
Acetonitrile	75-05-8	MG/KG						<0.0290	<0.0270
Acrolein	107-02-8	MG/KG						<0.0230	<0.0210
Acrylonitrile	107-13-1	MG/KG						<0.0050	<0.0040
Allyl Chloride	107-05-1	MG/KG						<0.0010	<0.0010
Benzene	71-43-2	MG/KG						<0.00060 UJ	<0.00050
Bromodichloromethane	75-27-4	MG/KG						<0.0010	<0.0010
Bromoform	75-25-2	MG/KG						<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG						<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG						<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG						<0.0010 UJ	<0.0010
Chlorodibromomethane	124-48-1	MG/KG						<0.0010	<0.0010
Chloroform	67-66-3	MG/KG						<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG						<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG						<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG						<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG						<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG						<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG						<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG						<0.0010 UJ	<0.0010
Iodomethane	74-88-4	MG/KG						<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG						<0.1200	<0.1100
Methacrylonitrile	126-98-7	MG/KG						<0.0060	<0.0050
Methyl Bromide	74-83-9	MG/KG						<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG						<0.0020	<0.0020

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Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG						<0.0050	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG						<0.0030	<0.0030
Methyl Methacrylate	80-62-6	MG/KG						<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG						<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG						<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG						<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG						<0.0350	<0.0320
Styrene	100-42-5	MG/KG						<0.0010 UJ	<0.0010
Tetrachloroethene	127-18-4	MG/KG						<0.0010	<0.0010
Toluene	108-88-3	MG/KG						<0.0010 UJ	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG						<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG						<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG						<0.0120	<0.0110
Trichloroethene	79-01-6	MG/KG						<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG						<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG						<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG						<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG						<0.0010 UJ	<0.0010
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG						<0.0810	<0.0800
1,2,4-Trichlorobenzene	120-82-1	MG/KG						<0.0410	<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG						<0.0410	<0.0400
1,3,5-Trinitrobenzene	99-35-4	MG/KG						<0.2000	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG						<0.0810	<0.0800
1,4-Dioxane	123-91-1	MG/KG						<0.1200	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG						<1.0000 UJ	<1.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG						<0.0410	<0.0400
1-Naphthylamine	134-32-7	MG/KG						<0.2000	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG						<0.0810	<0.0800
2,4,5-Trichlorophenol	95-95-4	MG/KG						<0.0410	<0.0400
2,4,6-Trichlorophenol	88-06-2	MG/KG						<0.0410	<0.0400
2,4-Dichlorophenol	120-83-2	MG/KG						<0.0410	<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG						<0.0410	<0.0400
2,4-Dinitrophenol	51-28-5	MG/KG						<0.8100	<0.8000
2,4-Dinitrotoluene	121-14-2	MG/KG						<0.0810	<0.0800
2,6-Dichlorophenol	87-65-0	MG/KG						<0.0810	<0.0800
2,6-Dinitrotoluene	606-20-2	MG/KG						<0.0410	<0.0400
2-Acetylaminofluorene	53-96-3	MG/KG						<0.0810	<0.0800
2-Chloronaphthalene	91-58-7	MG/KG						<0.0410	<0.0400
2-Chlorophenol	95-57-8	MG/KG						<0.0410	<0.0400
2-Methylnaphthalene	91-57-6	MG/KG						<0.0410	<0.0400

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Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG						<0.0410	<0.0400
2-Naphthylamine	91-59-8	MG/KG						<0.2000	<0.2000
2-Nitroaniline	88-74-4	MG/KG						<0.0410	<0.0400
2-Nitrophenol	88-75-5	MG/KG						<0.0410	<0.0400
2-Picoline	109-06-8	MG/KG						<0.0810	<0.0800
3- And 4- Methylphenol	EVS0197	MG/KG							
3,3'-Dichlorobenzidine	91-94-1	MG/KG						<0.0810	<0.0800
3,3'-Dimethylbenzidine	119-93-7	MG/KG						<0.2000	<0.2000
3-Methylcholanthrene	56-49-5	MG/KG						<0.0810	<0.0800
3-Nitroaniline	99-09-2	MG/KG						<0.0810	<0.0800
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG						<0.0410	<0.0400
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG						<0.2000	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG						<0.2000	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG						<0.0410	<0.0400
4-Chloro-3-Methylphenol	59-50-7	MG/KG						<0.0810	<0.0800
4-Chloroaniline	106-47-8	MG/KG						<0.0410	<0.0400
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG						<0.0410	<0.0400
4-Dimethylaminoazobenzene	60-11-7	MG/KG						<0.0810	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG						<0.0810	<0.0800
4-Nitroaniline	100-01-6	MG/KG						<0.0810	<0.0800
4-Nitrophenol	100-02-7	MG/KG						<0.2000	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG						<0.4100	<0.4000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG						<0.2000	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG						<0.0410	<0.0400
Acenaphthene	83-32-9	MG/KG						<0.0410	<0.0400
Acenaphthylene	208-96-8	MG/KG						<0.0410	<0.0400
Acetophenone	98-86-2	MG/KG						<0.0810	<0.0800
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG							
Aniline	62-53-3	MG/KG						<0.0410	<0.0400
Anthracene	120-12-7	MG/KG						<0.0410	<0.0400
Aramite	140-57-8	MG/KG							
Benzaldehyde	100-52-7	MG/KG						<0.0410	<0.0400
Benzidine	92-87-5	MG/KG						<0.8100	<0.8000
Benzo(A)Anthracene	56-55-3	MG/KG						<0.0410	<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG						<0.0410	<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG						<0.0410	<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG						<0.0410	<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG						<0.0410	<0.0400
Benzoic Acid	65-85-0	MG/KG						<0.2000	<0.2000
Benzyl Alcohol	100-51-6	MG/KG						<0.2000	<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG							

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Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG						<0.0410	<0.0400
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG						<0.0410	<0.0400
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG						<0.0410	<0.0400
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG						<0.1200	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG						<0.0810	<0.0800
Carbazole	86-74-8	MG/KG						<0.0410	<0.0400
Chlorobenzilate	510-15-6	MG/KG						<0.0410	<0.0400
Chrysene	218-01-9	MG/KG						<0.0410	<0.0400
Diallate	2303-16-4	MG/KG						<0.0410	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG						<0.0410	<0.0400
Dibenzofuran	132-64-9	MG/KG						<0.0410	<0.0400
Diethyl Phthalate	84-66-2	MG/KG						<0.0810	<0.0800
Dimethyl Phthalate	131-11-3	MG/KG						<0.0810	<0.0800
Di-N-Butyl Phthalate	84-74-2	MG/KG						<0.0810	<0.0800
Ethyl Methanesulfonate	62-50-0	MG/KG						<0.0810	<0.0800
Fluoranthene	206-44-0	MG/KG						<0.0410	<0.0400
Fluorene	86-73-7	MG/KG						<0.0410	<0.0400
Hexachlorobenzene	118-74-1	MG/KG						<0.0410	<0.0400
Hexachlorobutadiene	87-68-3	MG/KG						<0.0810	<0.0800
Hexachlorocyclopentadiene	77-47-4	MG/KG						<0.2000	<0.2000
Hexachloroethane	67-72-1	MG/KG						<0.0410	<0.0400
Hexachloropropylene	1888-71-7	MG/KG						<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG						<0.0410	<0.0400
Isodrin	465-73-6	MG/KG						<0.0410	<0.0400
Isophorone	78-59-1	MG/KG						<0.0410	<0.0400
Isosafrole	120-58-1	MG/KG						<0.0810	<0.0800
Methapyrilene	91-80-5	MG/KG						<0.1200	<0.1200
Methyl Methanesulfonate	66-27-3	MG/KG						<0.0410	<0.0400
Naphthalene	91-20-3	MG/KG						<0.0410	<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG						<0.0810	<0.0800
Nitrobenzene	98-95-3	MG/KG						<0.0410	<0.0400
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG						<0.0810	<0.0800
N-Nitrosodiethylamine	55-18-5	MG/KG						<0.0810	<0.0800
N-Nitrosodimethylamine	62-75-9	MG/KG						<0.0810	<0.0800
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG						<0.0810	<0.0800
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG						<0.0410	<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG						<0.0410	<0.0400
N-Nitrosomorpholine	59-89-2	MG/KG						<0.0810	<0.0800
N-Nitrosopiperidine	100-75-4	MG/KG						<0.0810	<0.0800
N-Nitrosopyrrolidine	930-55-2	MG/KG						<0.0810	<0.0800
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG						<0.0810	<0.0800

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Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG						<0.0810	<0.0800
para-Phenylenediamine	106-50-3	MG/KG						<3.0000 UJ	<3.0000 UJ
Pentachlorobenzene	608-93-5	MG/KG						<0.0810	<0.0800
Pentachloronitrobenzene	82-68-8	MG/KG						<0.1600	<0.1600
Pentachlorophenol	87-86-5	MG/KG						<0.2000	<0.2000
Phenacetin	62-44-2	MG/KG						<0.0810	<0.0800
Phenanthrene	85-01-8	MG/KG						<0.0410	<0.0400
Phenol	108-95-2	MG/KG						<0.0410	<0.0400
Pyrene	129-00-0	MG/KG						<0.0410	<0.0400
Pyridine	110-86-1	MG/KG						<0.0810	<0.0800
Safrole	94-59-7	MG/KG						<0.0810	<0.0800
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG						<0.0810	<0.0800
Thionazin	297-97-2	MG/KG						<0.0810	<0.0800
Dimethoate	60-51-5	MG/KG						<0.0410	<0.0400
Pronamide	23950-58-5	MG/KG						<0.1600	<0.1600
<i>Dowtherm</i>									
Biphenyl	92-52-4	MG/KG						<0.0410	<0.0400
Diphenyl Ether	101-84-8	MG/KG						<0.0410	<0.0400
<i>Glycols</i>									
Ethylene Glycol	107-21-1	MG/KG							
Diethylene Glycol	111-46-6	MG/KG							
Propylene Glycol	57-55-6	MG/KG							
Triethylene Glycol	112-27-6	MG/KG							
<i>Inorganics</i>									
Antimony	7440-36-0	MG/KG						<0.885	<0.866
Arsenic	7440-38-2	MG/KG						2.78	2.66
Barium	7440-39-3	MG/KG						34.3	46.9
Beryllium	7440-41-7	MG/KG						0.473 J	0.647
Cadmium	7440-43-9	MG/KG						<0.0670	<0.0655
Chromium	7440-47-3	MG/KG						13.3	18.7
Cobalt	7440-48-4	MG/KG						1.71	3.61
Copper	7440-50-8	MG/KG						3.15	6.32
Lead	7439-92-1	MG/KG						10.9	13.7
Mercury	7439-97-6	MG/KG		<0.0040	0.0099 J	0.0651 J	0.0291 J	0.0595 J	0.0489 B
Nickel	7440-02-0	MG/KG						5.44	7.32
Selenium	7782-49-2	MG/KG						<1.03	<1.01
Silver	7440-22-4	MG/KG		<0.158	<0.187	86.9	2.55	<0.155	<0.152
Thallium	7440-28-0	MG/KG						<1.10	<1.08
Tin	7440-31-5	MG/KG						3.66 B	4.22 B
Vanadium	7440-62-2	MG/KG						30.2	37.9
Zinc	7440-66-6	MG/KG						15.6	23.2

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Analyte	CAS No.	Units	Location ID	AOCC-SS-1	AOCC-SS-2	AOCC-SS-3	AOCC-SS-4	CND-SS-1	CND-SS-2
			Field Sample ID	13496400	13496402	13496404	13496406	13484554	13484556
			Sample Name	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-S-AOCC-SS-3(0-4)	BRE-S-AOCC-SS-4(0-4)	BRE-S-CND-SS-1(8-12)	BRE-S-CND-SS-2(4-8)
			Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/03/2004	08/03/2004
			Start Depth - End Depth	8 - 11.5	4 - 8	0 - 4	0 - 4	8 - 12	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		18.7	31.0	19.1	16.0	18.0	17.0
Percent Moisture	EVS0198	% BY WT.							

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Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010		
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010		
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<0.0020	<0.0020		
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010		
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0390	<0.0390	<0.0400		
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010		
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010		
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0390	<0.0390	<0.0400		
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0390	<0.0390	<0.0400		
2-Hexanone	591-78-6	MG/KG		<0.0040	<0.0030	<0.0040		
Acetone	67-64-1	MG/KG		0.0370	0.0440	<0.0090		
Acetonitrile	75-05-8	MG/KG		<0.0300	<0.0280	<0.0310		
Acrolein	107-02-8	MG/KG		<0.0240	<0.0220	<0.0250		
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0040	<0.0050		
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010		
Benzene	71-43-2	MG/KG		<0.00060	<0.00060	<0.00060		
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010		
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010		
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	<0.0010		
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010		
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010		
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010		
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010		
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	0.0260	<0.0010		
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010		
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<0.0020	<0.0020		
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<0.0020	<0.0020		
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010		
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010		
Iodomethane	74-88-4	MG/KG		<0.0040	<0.0030	<0.0040		
Isobutyl Alcohol	78-83-1	MG/KG		<0.1200	<0.1100	<0.1200		
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0060	<0.0060		
Methyl Bromide	74-83-9	MG/KG		<0.0020	<0.0020	<0.0020		
Methyl Chloride	74-87-3	MG/KG		<0.0020	<0.0020	<0.0020		

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0040	<0.0050		
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0040	<0.0030	<0.0040		
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010		
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010		
Methylene Chloride	75-09-2	MG/KG		0.0060	<0.0020	<0.0020		
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010		
Propionitrile	107-12-0	MG/KG		<0.0360	<0.0340	<0.0370		
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010		
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010		
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	<0.0010		
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	0.0020 J	<0.0010		
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0120	<0.0110	<0.0120		
Trichloroethene	79-01-6	MG/KG		<0.0010	0.0040 J	<0.0010		
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<0.0020	<0.0020		
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<0.0020	<0.0020		
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010		
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010		
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0790	<0.0770	<0.0800		
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0390	<0.0390	<0.0400		
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0390	<0.0390	<0.0400		
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000	<0.1900	<0.2000		
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0790	<0.0770	<0.0800		
1,4-Dioxane	123-91-1	MG/KG		<0.1200	<0.1200	<0.1200		
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9900 UJ	<0.9700 UJ	<1.0000 UJ		
1-Methylnaphthalene	90-12-0	MG/KG		<0.0390	<0.0390	<0.0400		
1-Naphthylamine	134-32-7	MG/KG		<0.2000	<0.1900	<0.2000		
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0790	<0.0770	<0.0800		
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0390	<0.0390	<0.0400		
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0390	<0.0390	<0.0400		
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0390	<0.0390	<0.0400		
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0390	<0.0390	<0.0400		
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7900	<0.7700	<0.8000		
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0790	<0.0770	<0.0800		
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0790	<0.0770	<0.0800		
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0390	<0.0390	<0.0400		
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0790	<0.0770	<0.0800		
2-Chloronaphthalene	91-58-7	MG/KG		<0.0390	<0.0390	<0.0400		
2-Chlorophenol	95-57-8	MG/KG		<0.0390	<0.0390	<0.0400		
2-Methylnaphthalene	91-57-6	MG/KG		<0.0390	<0.0390	<0.0400		

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0390	<0.0390	<0.0400		
2-Naphthylamine	91-59-8	MG/KG		<0.2000	<0.1900	<0.2000		
2-Nitroaniline	88-74-4	MG/KG		<0.0390	<0.0390	<0.0400		
2-Nitrophenol	88-75-5	MG/KG		<0.0390	<0.0390	<0.0400		
2-Picoline	109-06-8	MG/KG		<0.0790	<0.0770	<0.0800		
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0790	<0.0770	<0.0800		
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.2000	<0.1900 UJ	<0.2000		
3-Methylcholanthrene	56-49-5	MG/KG		<0.0790	<0.0770	<0.0800		
3-Nitroaniline	99-09-2	MG/KG		<0.0790	<0.0770	<0.0800		
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0390	<0.0390	<0.0400		
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000	<0.1900	<0.2000		
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000	<0.1900	<0.2000		
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0390	<0.0390	<0.0400		
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0790	<0.0770	<0.0800		
4-Chloroaniline	106-47-8	MG/KG		<0.0390	<0.0390	<0.0400		
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0390	<0.0390	<0.0400		
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0790	<0.0770	<0.0800		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0790	<0.0770	<0.0800		
4-Nitroaniline	100-01-6	MG/KG		<0.0790	<0.0770	<0.0800		
4-Nitrophenol	100-02-7	MG/KG		<0.2000	<0.1900	<0.2000		
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3900	<0.3900	<0.4000		
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000	<0.1900	<0.2000		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0390	<0.0390	<0.0400		
Acenaphthene	83-32-9	MG/KG		<0.0390	<0.0390	<0.0400		
Acenaphthylene	208-96-8	MG/KG		<0.0390	<0.0390	<0.0400		
Acetophenone	98-86-2	MG/KG		<0.0790	<0.0770	<0.0800		
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<0.0390	<0.0390	<0.0400		
Anthracene	120-12-7	MG/KG		<0.0390	<0.0390	<0.0400		
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		<0.0390	<0.0390	<0.0400		
Benzidine	92-87-5	MG/KG		<0.7900	<0.7700	<0.8000		
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0390	<0.0390	<0.0400		
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0390	<0.0390	<0.0400		
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0390	<0.0390	<0.0400		
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0390	<0.0390	<0.0400		
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0390	<0.0390	<0.0400		
Benzoic Acid	65-85-0	MG/KG		<0.2000	<0.1900	<0.2000		
Benzyl Alcohol	100-51-6	MG/KG		<0.2000	<0.1900	<0.2000		
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0390	<0.0390	<0.0400		
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0390	<0.0390	<0.0400		
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0390	<0.0390	<0.0400		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.1200	<0.1200	<0.1200		
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0790	<0.0770	<0.0800		
Carbazole	86-74-8	MG/KG		<0.0390	<0.0390	<0.0400		
Chlorobenzilate	510-15-6	MG/KG		<0.0390	<0.0390	<0.0400		
Chrysene	218-01-9	MG/KG		<0.0390	<0.0390	<0.0400		
Diallate	2303-16-4	MG/KG		<0.0390	<0.0390	<0.0400		
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0390	<0.0390	<0.0400		
Dibenzofuran	132-64-9	MG/KG		<0.0390	<0.0390	<0.0400		
Diethyl Phthalate	84-66-2	MG/KG		<0.0790	<0.0770	<0.0800		
Dimethyl Phthalate	131-11-3	MG/KG		<0.0790	<0.0770	<0.0800		
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0790	<0.0770	<0.0800		
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0790	<0.0770	<0.0800		
Fluoranthene	206-44-0	MG/KG		<0.0390	<0.0390	<0.0400		
Fluorene	86-73-7	MG/KG		<0.0390	<0.0390	<0.0400		
Hexachlorobenzene	118-74-1	MG/KG		<0.0390	<0.0390	<0.0400		
Hexachlorobutadiene	87-68-3	MG/KG		<0.0790	<0.0770	<0.0800		
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000	<0.1900	<0.2000		
Hexachloroethane	67-72-1	MG/KG		<0.0390	<0.0390	<0.0400		
Hexachloropropylene	1888-71-7	MG/KG		<0.1200	<0.1200	<0.1200		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0390	<0.0390	<0.0400		
Isodrin	465-73-6	MG/KG		<0.0390	<0.0390	<0.0400		
Isophorone	78-59-1	MG/KG		<0.0390	<0.0390	<0.0400		
Isosafrole	120-58-1	MG/KG		<0.0790	<0.0770	<0.0800		
Methapyrilene	91-80-5	MG/KG		<0.1200	<0.1200	<0.1200		
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0390	<0.0390	<0.0400		
Naphthalene	91-20-3	MG/KG		<0.0390	<0.0390	<0.0400		
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0790	<0.0770	<0.0800		
Nitrobenzene	98-95-3	MG/KG		<0.0390	<0.0390	<0.0400		
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0390	<0.0390	<0.0400		
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0390	<0.0390	<0.0400		
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0790	<0.0770	<0.0800		
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0790	<0.0770	<0.0800		
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0790	<0.0770	<0.0800		

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0790	<0.0770	<0.0800		
para-Phenylenediamine	106-50-3	MG/KG		<3.0000 UJ	<2.9000 UJ	<3.0000		
Pentachlorobenzene	608-93-5	MG/KG		<0.0790	<0.0770	<0.0800		
Pentachloronitrobenzene	82-68-8	MG/KG		<0.1600	<0.0770	<0.0800		
Pentachlorophenol	87-86-5	MG/KG		<0.2000	<0.1900	<0.2000		
Phenacetin	62-44-2	MG/KG		<0.0790	<0.0770	<0.0800		
Phenanthrene	85-01-8	MG/KG		<0.0390	<0.0390	<0.0400		
Phenol	108-95-2	MG/KG		<0.0390	0.1100 J	<0.0400		
Pyrene	129-00-0	MG/KG		<0.0390	<0.0390	<0.0400		
Pyridine	110-86-1	MG/KG		<0.0790	<0.0770	<0.0800		
Safrole	94-59-7	MG/KG		<0.0790	<0.0770	<0.0800		
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0790	<0.0770	<0.0800		
Thionazin	297-97-2	MG/KG		<0.0790	<0.0770	<0.0800		
Dimethoate	60-51-5	MG/KG		<0.0390	<0.0390	<0.0400		
Pronamide	23950-58-5	MG/KG		<0.1600	<0.0390	<0.0400		
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		<0.0390	6.6000	<0.0400		
Diphenyl Ether	101-84-8	MG/KG		<0.0390	23.0000	<0.0400		
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG			<2.5000	<2.3000		
Diethylene Glycol	111-46-6	MG/KG			<2.6000	<2.5000		
Propylene Glycol	57-55-6	MG/KG			<3.2000	<3.0000		
Triethylene Glycol	112-27-6	MG/KG			<3.4000	<3.2000		
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		<0.849	1.38 J	<0.875	<0.886 UJ	<0.852 UJ
Arsenic	7440-38-2	MG/KG		1.26	2.74	0.844 J	0.824 J	1.27
Barium	7440-39-3	MG/KG		55.8	33.5	34.4	43.8	45.2
Beryllium	7440-41-7	MG/KG		0.933	0.987	1.35	1.04	0.999
Cadmium	7440-43-9	MG/KG		<0.0643	<0.0630	<0.0662	<0.0670	<0.0644
Chromium	7440-47-3	MG/KG		12.2	10.1	0.857	5.11	4.08
Cobalt	7440-48-4	MG/KG		3.98	2.34	1.07	3.53	2.75
Copper	7440-50-8	MG/KG		3.29	4.80	0.458 J	3.57	3.65
Lead	7439-92-1	MG/KG		8.15	16.3	19.7	15.0	12.5
Mercury	7439-97-6	MG/KG		0.0268 B	0.0455 B	<0.0040	0.0227 J	0.367
Nickel	7440-02-0	MG/KG		5.59	4.92	0.847 J	4.81	3.39
Selenium	7782-49-2	MG/KG		<0.987	<0.967	<1.02	<1.03	<0.990
Silver	7440-22-4	MG/KG		<0.149	<0.146	<0.154	1.06	11.8
Thallium	7440-28-0	MG/KG		<1.06	1.27 J	<1.09	1.47 J	1.38 J
Tin	7440-31-5	MG/KG		3.09 B	3.81 B	3.80 B	4.44 B	4.11 B
Vanadium	7440-62-2	MG/KG		25.1	24.5	5.35	15.3	10.9
Zinc	7440-66-6	MG/KG		21.6	21.6	22.5	44.0	33.0

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1	SANDBLAST-SS-1	SANDBLAST-SS-1
			Field Sample ID	13484558	13349591	13369414	13421886	13421888
			Sample Name	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)	BRE-V-SANDBLAST-SS-1(0-4)	BRE-S-SANDBLAST-SS-1(0-4)
			Date Sampled	08/03/2004	07/07/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	8 - 12	8 - 12	16 - 20	0 - 4	0 - 4
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		15.4	13.7	17.1	18.9	14.8
Percent Moisture	EVS0198	% BY WT.						

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG									
1,1,1-Trichloroethane	71-55-6	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1,2-Trichloroethane	79-00-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1-Dichloroethane	75-34-3	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,1-Dichloroethene	75-35-4	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2,3-Trichloropropane	96-18-4	MG/KG									
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG									
1,2-Dibromoethane (EDB)	106-93-4	MG/KG									
1,2-Dichlorobenzene	95-50-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
1,2-Dichloroethane	107-06-2	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane	78-87-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,3-Dichlorobenzene	541-73-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
1,4-Dichlorobenzene	106-46-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Hexanone	591-78-6	MG/KG					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Acetone	67-64-1	MG/KG					<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Acetonitrile	75-05-8	MG/KG									
Acrolein	107-02-8	MG/KG									
Acrylonitrile	107-13-1	MG/KG									
Allyl Chloride	107-05-1	MG/KG									
Benzene	71-43-2	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Bromodichloromethane	75-27-4	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Bromoform	75-25-2	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Carbon Disulfide	75-15-0	MG/KG					<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Carbon Tetrachloride	56-23-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chlorobenzene	108-90-7	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chlorodibromomethane	124-48-1	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chloroform	67-66-3	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chloroprene	126-99-8	MG/KG									
cis-1,2 Dichloroethene	156-59-2	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
cis-1,3-Dichloropropene	10061-01-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Dichlorodifluoromethane	75-71-8	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethyl Chloride	75-00-3	MG/KG					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Ethyl Methacrylate	97-63-2	MG/KG									
Ethylbenzene	100-41-4	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Iodomethane	74-88-4	MG/KG									
Isobutyl Alcohol	78-83-1	MG/KG									
Methacrylonitrile	126-98-7	MG/KG									
Methyl Bromide	74-83-9	MG/KG					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Methyl Chloride	74-87-3	MG/KG					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG					<0.1000	<0.1000	<0.1000	<0.1000	<0.1000
Methyl Isobutyl Ketone	108-10-1	MG/KG					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Methyl Methacrylate	80-62-6	MG/KG									
Methylene Bromide	74-95-3	MG/KG									
Methylene Chloride	75-09-2	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Pentachloroethane	76-01-7	MG/KG									
Propionitrile	107-12-0	MG/KG									
Styrene	100-42-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Tetrachloroethene	127-18-4	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	108-88-3	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
trans-1,2-Dichloroethene	156-60-5	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
trans-1,3-Dichloropropene	10061-02-6	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG									
Trichloroethene	79-01-6	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Trichlorofluoromethane	75-69-4	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Vinyl Acetate	108-05-4	MG/KG					<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vinyl Chloride	75-01-4	MG/KG					<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Xylenes	1330-20-7	MG/KG					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG									
1,2,4-Trichlorobenzene	120-82-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
1,2-Diphenylhydrazine	122-66-7	MG/KG									
1,3,5-Trinitrobenzene	99-35-4	MG/KG									
1,3-Dinitrobenzene	99-65-0	MG/KG									
1,4-Dioxane	123-91-1	MG/KG									
1,4-Naphthoquinone	130-15-4	MG/KG									
1-Methylnaphthalene	90-12-0	MG/KG									
1-Naphthylamine	134-32-7	MG/KG									
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG									
2,4,5-Trichlorophenol	95-95-4	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2,4,6-Trichlorophenol	88-06-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2,4-Dichlorophenol	120-83-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2,4-Dimethylphenol	105-67-9	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2,4-Dinitrophenol	51-28-5	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
2,4-Dinitrotoluene	121-14-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2,6-Dichlorophenol	87-65-0	MG/KG									
2,6-Dinitrotoluene	606-20-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Acetylaminofluorene	53-96-3	MG/KG									
2-Chloronaphthalene	91-58-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Chlorophenol	95-57-8	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Methylnaphthalene	91-57-6	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Naphthylamine	91-59-8	MG/KG									
2-Nitroaniline	88-74-4	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
2-Nitrophenol	88-75-5	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
2-Picoline	109-06-8	MG/KG									
3- And 4- Methylphenol	EVS0197	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
3,3'-Dichlorobenzidine	91-94-1	MG/KG					<0.6700	<0.6700	<0.6700	<0.6700	<0.6700
3,3'-Dimethylbenzidine	119-93-7	MG/KG									
3-Methylcholanthrene	56-49-5	MG/KG									
3-Nitroaniline	99-09-2	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG									
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
4-Aminobiphenyl	92-67-1	MG/KG									
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
4-Chloro-3-Methylphenol	59-50-7	MG/KG					<0.6700	<0.6700	<0.6700	<0.6700	<0.6700
4-Chloroaniline	106-47-8	MG/KG					<0.6700	<0.6700	<0.6700	<0.6700	<0.6700
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
4-Dimethylaminoazobenzene	60-11-7	MG/KG									
4-Methylphenol (P-Cresol)	106-44-5	MG/KG									
4-Nitroaniline	100-01-6	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
4-Nitrophenol	100-02-7	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG									
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG									
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG									
Acenaphthene	83-32-9	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Acenaphthylene	208-96-8	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Acetophenone	98-86-2	MG/KG									
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG									
Aniline	62-53-3	MG/KG									
Anthracene	120-12-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Aramite	140-57-8	MG/KG									
Benzaldehyde	100-52-7	MG/KG									
Benzidine	92-87-5	MG/KG									
Benzo(A)Anthracene	56-55-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Benzo(B)Fluoranthene	205-99-2	MG/KG					<0.3300	<0.3300	<0.3300	0.4700	<0.3300
Benzo(G,H,I)Perylene	191-24-2	MG/KG					<0.3300	<0.3300	<0.3300	0.3400	<0.3300
Benzo(K)Fluoranthene	207-08-9	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Benzo[A]Pyrene	50-32-8	MG/KG					<0.3300	<0.3300	<0.3300	0.4000	<0.3300
Benzoic Acid	65-85-0	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
Benzyl Alcohol	100-51-6	MG/KG					<0.6700	<0.6700	<0.6700	<0.6700	<0.6700
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
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Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG									
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Butyl Benzyl Phthalate	85-68-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Carbazole	86-74-8	MG/KG									
Chlorobenzilate	510-15-6	MG/KG									
Chrysene	218-01-9	MG/KG					<0.3300	<0.3300	<0.3300	0.4000	<0.3300
Diallate	2303-16-4	MG/KG									
Dibenz(A,H)Anthracene	53-70-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Dibenzofuran	132-64-9	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Diethyl Phthalate	84-66-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Dimethyl Phthalate	131-11-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Di-N-Butyl Phthalate	84-74-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Ethyl Methanesulfonate	62-50-0	MG/KG									
Fluoranthene	206-44-0	MG/KG					<0.3300	0.3300	0.3900	1.0000	<0.3300
Fluorene	86-73-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Hexachlorobenzene	118-74-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Hexachlorobutadiene	87-68-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Hexachlorocyclopentadiene	77-47-4	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Hexachloroethane	67-72-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Hexachloropropylene	1888-71-7	MG/KG									
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Isodrin	465-73-6	MG/KG									
Isophorone	78-59-1	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Isosafrole	120-58-1	MG/KG									
Methapyrilene	91-80-5	MG/KG									
Methyl Methanesulfonate	66-27-3	MG/KG									
Naphthalene	91-20-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Dioctyl Phthalate	117-84-0	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Nitrobenzene	98-95-3	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG									
N-Nitrosodiethylamine	55-18-5	MG/KG									
N-Nitrosodimethylamine	62-75-9	MG/KG									
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG									
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Nitrosodiphenylamine	86-30-6	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
N-Nitrosomorpholine	59-89-2	MG/KG									
N-Nitrosopiperidine	100-75-4	MG/KG									
N-Nitrosopyrrolidine	930-55-2	MG/KG									
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG									

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
O-Toluidine	95-53-4	MG/KG									
para-Phenylenediamine	106-50-3	MG/KG									
Pentachlorobenzene	608-93-5	MG/KG									
Pentachloronitrobenzene	82-68-8	MG/KG									
Pentachlorophenol	87-86-5	MG/KG					<1.7000	<1.7000	<1.7000	<1.7000	<1.7000
Phenacetin	62-44-2	MG/KG									
Phenanthrene	85-01-8	MG/KG					<0.3300	<0.3300	<0.3300	0.5700	<0.3300
Phenol	108-95-2	MG/KG					<0.3300	<0.3300	<0.3300	<0.3300	<0.3300
Pyrene	129-00-0	MG/KG					<0.3300	<0.3300	<0.3300	0.7400	<0.3300
Pyridine	110-86-1	MG/KG									
Safrole	94-59-7	MG/KG									
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG									
Thionazin	297-97-2	MG/KG									
Dimethoate	60-51-5	MG/KG									
Pronamide	23950-58-5	MG/KG									
<i>Dowtherm</i>											
Biphenyl	92-52-4	MG/KG									
Diphenyl Ether	101-84-8	MG/KG									
<i>Glycols</i>											
Ethylene Glycol	107-21-1	MG/KG									
Diethylene Glycol	111-46-6	MG/KG									
Propylene Glycol	57-55-6	MG/KG									
Triethylene Glycol	112-27-6	MG/KG									
<i>Inorganics</i>											
Antimony	7440-36-0	MG/KG		<0.853 UJ							
Arsenic	7440-38-2	MG/KG		1.37			<4.78	5.02	<4.91	<4.98	<4.77
Barium	7440-39-3	MG/KG		67.4			17.8	51.8	37	35.1	30.8
Beryllium	7440-41-7	MG/KG		1.07							
Cadmium	7440-43-9	MG/KG		<0.0646			<0.956	<0.954	<0.982	<0.995	<0.955
Chromium	7440-47-3	MG/KG		5.58			3.92	5.74	4.59	4.73	4.78
Cobalt	7440-48-4	MG/KG		2.38							
Copper	7440-50-8	MG/KG		4.28							
Lead	7439-92-1	MG/KG		14.2			12.1	14.1	14.2	14.9	15.9
Mercury	7439-97-6	MG/KG		0.0136 J	0.0354 J	0.0515 J	<0.0990	<0.100	<0.0990	<0.0980	<0.100
Nickel	7440-02-0	MG/KG		3.44							
Selenium	7782-49-2	MG/KG		<0.992			<4.78	<4.77	<4.91	<4.98	<4.77
Silver	7440-22-4	MG/KG		2.41	0.165 J	<0.159	83.9	7.41	8.55	<0.995	<0.955
Thallium	7440-28-0	MG/KG		1.17 J							
Tin	7440-31-5	MG/KG		4.37 B							
Vanadium	7440-62-2	MG/KG		11.4							
Zinc	7440-66-6	MG/KG		42.8							

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SANDBLAST-SS-2	SILREC-SS-1	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3	SS-4
			Field Sample ID	13421890	13356176	13356178	233375	233493	233610	233728	233846
			Sample Name	BRE-S-SANDBLAST-SS-2(1-5)	BRE-S-SILREC-SS-1(8-12)	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3	BRE-SS-4
			Date Sampled	07/23/2004	07/08/2004	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996	04/29/1996
			Start Depth - End Depth	1 - 5	8 - 12	0 - 4					
			Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS
Percent Moisture	EVS0198	%		15.8	17.4	19.7					
Percent Moisture	EVS0198	% BY WT.					19	14	9	14	10

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		13.0000			<0.0650		<0.0590
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,1-Dichloroethane	75-34-3	MG/KG		<0.1400 [U]			<0.0650		<0.0590 UJ
1,1-Dichloroethene	75-35-4	MG/KG		<0.1400 [U]			<0.0650		<0.0590 UJ
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.2800 [U]			<0.1300		<0.1200
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.1400 [U]			<0.0650		<0.0590 UJ
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.1400 [U]			<0.0400		<0.0400
1,2-Dichloroethane	107-06-2	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,2-Dichloropropane	78-87-5	MG/KG		<0.1400 [U]			<0.0650		<0.0590
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.1400 [U]			<0.0400		<0.0400
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.1400 [U]			<0.0400		<0.0400
2-Hexanone	591-78-6	MG/KG		<0.4200 [U]			<0.1900		<0.1800
Acetone	67-64-1	MG/KG		<0.9800 [U]			<0.4500		<0.4100
Acetonitrile	75-05-8	MG/KG		<3.5000 [U]			<1.6000		<1.5000
Acrolein	107-02-8	MG/KG		<2.8000 [U]			<1.3000		<1.2000
Acrylonitrile	107-13-1	MG/KG		<0.5600 [U]			<0.2600		<0.2400
Allyl Chloride	107-05-1	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Benzene	71-43-2	MG/KG		<0.1400 [U]			0.7900		<0.0300
Bromodichloromethane	75-27-4	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Bromoform	75-25-2	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Carbon Disulfide	75-15-0	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Carbon Tetrachloride	56-23-5	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Chlorobenzene	108-90-7	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Chlorodibromomethane	124-48-1	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Chloroform	67-66-3	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Chloroprene	126-99-8	MG/KG		<0.1400 [U]			<0.0650		<0.0590
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.1400 [U]			2.5000		1.3000 J
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Dichlorodifluoromethane	75-71-8	MG/KG		<0.2800 [U]			<0.1300		<0.1200
Ethyl Chloride	75-00-3	MG/KG		<0.2800 [U]			<0.1300		<0.1200
Ethyl Methacrylate	97-63-2	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Ethylbenzene	100-41-4	MG/KG		<0.1400 [U]			0.8400		0.3300 J
Iodomethane	74-88-4	MG/KG		<0.4200 [U]			<0.1900		<0.1800 UJ
Isobutyl Alcohol	78-83-1	MG/KG		<14.0000 [U]			<6.5000		<5.9000
Methacrylonitrile	126-98-7	MG/KG		<0.7000 [U]			<0.3200		<0.3000
Methyl Bromide	74-83-9	MG/KG		<0.2800 [U]			<0.1300		<0.1200
Methyl Chloride	74-87-3	MG/KG		<0.2800 [U]			<0.1300		<0.1200

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.5600 [U]			0.3400 J		<0.2400
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.4200 [U]			<0.1900		<0.1800
Methyl Methacrylate	80-62-6	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Methylene Bromide	74-95-3	MG/KG		<0.1400 [U]			<0.0650		<0.0590 UJ
Methylene Chloride	75-09-2	MG/KG		<0.2800 [U]			<0.1300		<0.1200 UJ
Pentachloroethane	76-01-7	MG/KG		0.6200			<0.0650		<0.0590
Propionitrile	107-12-0	MG/KG		<4.2000 [U]			<1.9000		<1.8000
Styrene	100-42-5	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Tetrachloroethene	127-18-4	MG/KG		1.2000			<0.0650		0.1400 J
Toluene	108-88-3	MG/KG		<0.1400 [U]			5.2000		0.1900 J
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.1400 [U]			0.6000		0.3100 J
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.1400 [U]			<0.0650		<0.0590
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<1.4000 [U]			<0.6500		<0.5900
Trichloroethene	79-01-6	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Trichlorofluoromethane	75-69-4	MG/KG		<0.2800 [U]			<0.1300		<0.1200
Vinyl Acetate	108-05-4	MG/KG		<0.2800 [U]			<0.1300		<0.1200
Vinyl Chloride	75-01-4	MG/KG		<0.1400 [U]			<0.0650		<0.0590
Xylenes	1330-20-7	MG/KG		0.2300			0.4900		2.0000 J
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0750 [U]			<0.0810		<0.0810
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0370 [U]			<0.0400		<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG					<0.0400		0.0790 J
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1900 [U]			<0.2000		<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0750 [U]			<0.0810		<0.0810
1,4-Dioxane	123-91-1	MG/KG		<0.1100 [U]			<0.1200		<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9300 [U]			<1.0000 UJ		<1.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG					0.0840 J		0.0750 J
1-Naphthylamine	134-32-7	MG/KG		<0.1900 [U]			<0.2000		<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7500 [U]			<0.8100		<0.8100
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0750 [U]			<0.0810		<0.0810
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0750 [U]			<0.0810		<0.0810
2-Chloronaphthalene	91-58-7	MG/KG		<0.0370 [U]			<0.0400		<0.0400 UJ
2-Chlorophenol	95-57-8	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2-Methylnaphthalene	91-57-6	MG/KG		0.3400			0.1100 J		0.0880 J

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2-Naphthylamine	91-59-8	MG/KG		<0.1900 [U]			<0.2000 R		<0.2000 R
2-Nitroaniline	88-74-4	MG/KG		<0.0370 [U]			<0.0400		<0.0400 UJ
2-Nitrophenol	88-75-5	MG/KG		<0.0370 [U]			<0.0400		<0.0400
2-Picoline	109-06-8	MG/KG		<0.0750 [U]			<0.0810		<0.0810
3- And 4- Methylphenol	EVS0197	MG/KG							
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0750 [U]			<0.0810		<0.0810
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.1900 [U]			<0.2000		<0.2000
3-Methylcholanthrene	56-49-5	MG/KG		<0.0750 [U]			<0.0810		<0.0810
3-Nitroaniline	99-09-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG					<0.0400		<0.0400
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1900 [U]			<0.2000		<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.1900 [U]			<0.2000		<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0750 [U]			<0.0810		<0.0810
4-Chloroaniline	106-47-8	MG/KG		<0.0370 [U]			<0.0400		<0.0400
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0750 [U]			<0.0810		<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0750 [U]			<0.0810		<0.0810
4-Nitroaniline	100-01-6	MG/KG		<0.0750 [U]			<0.0810		<0.0810
4-Nitrophenol	100-02-7	MG/KG		<0.1900 [U]			<0.2000		<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3700 [U]			<0.4000		<0.4000 R
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1900 [U]			<0.2000		<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Acenaphthene	83-32-9	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Acenaphthylene	208-96-8	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Acetophenone	98-86-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG		<0.0370 [U]					
Aniline	62-53-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Anthracene	120-12-7	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Aramite	140-57-8	MG/KG		<0.0370 [U]					
Benzaldehyde	100-52-7	MG/KG					<0.0400 R		<0.0400 R
Benzidine	92-87-5	MG/KG					<0.8100		<0.8100
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Benzoic Acid	65-85-0	MG/KG					<0.2000 UJ		<0.2000 UJ
Benzyl Alcohol	100-51-6	MG/KG		<0.1900 [U]			<0.2000		<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG		<0.0370 [U]					

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG					<0.0400		<0.0400
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		0.3300			<0.1200		0.1600 J
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Carbazole	86-74-8	MG/KG					<0.0400		<0.0400
Chlorobenzilate	510-15-6	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Chrysene	218-01-9	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Diallate	2303-16-4	MG/KG		<0.0370 [U]			<0.0400		0.0960 J
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Dibenzofuran	132-64-9	MG/KG		0.0520			<0.0400		0.5000
Diethyl Phthalate	84-66-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Dimethyl Phthalate	131-11-3	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0750 [U]			<0.0810		0.0830 J
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Fluoranthene	206-44-0	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Fluorene	86-73-7	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Hexachlorobenzene	118-74-1	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Hexachlorobutadiene	87-68-3	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1900 [U]			<0.2000		<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Hexachloropropylene	1888-71-7	MG/KG		<0.1100 [U]			<0.1200		<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Isodrin	465-73-6	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Isophorone	78-59-1	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Isosafrole	120-58-1	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Methapyrilene	91-80-5	MG/KG		<0.0750 [U]			<0.1200		<0.1200
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Naphthalene	91-20-3	MG/KG		0.3900			0.0460 J		0.0720 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Nitrobenzene	98-95-3	MG/KG		<0.0370 [U]			<0.0400		<0.0400
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0370 [U]			<0.0400		<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0370 [U]			<0.0400		<0.0400
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0750 [U]			<0.0810		<0.0810
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0750 [U]			<0.0810		<0.0810

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Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0750 [U]			<0.0810		<0.0810
para-Phenylenediamine	106-50-3	MG/KG		<2.8000 [U]			<3.0000 UJ		<3.0000 R
Pentachlorobenzene	608-93-5	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Pentachlorophenol	87-86-5	MG/KG		<0.1900 [U]			<0.2000		<0.2000
Phenacetin	62-44-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Phenanthrene	85-01-8	MG/KG		0.1400			<0.0400		0.0510 J
Phenol	108-95-2	MG/KG		<0.0370 [U]			0.0840 J		0.0670 J
Pyrene	129-00-0	MG/KG		<0.0370 [U]			0.0570 J		<0.0400
Pyridine	110-86-1	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Safrole	94-59-7	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Thionazin	297-97-2	MG/KG		<0.0750 [U]			<0.0810		<0.0810
Dimethoate	60-51-5	MG/KG		<0.0370 [U]			<0.0400		<0.0400
Pronamide	23950-58-5	MG/KG		<0.0370 [U]			<0.0400		<0.0400
<i>Dowtherm</i>									
Biphenyl	92-52-4	MG/KG		14.0000			3.3000		120.0000
Diphenyl Ether	101-84-8	MG/KG		40.0000			12.0000		340.0000
<i>Glycols</i>									
Ethylene Glycol	107-21-1	MG/KG				<2.7000		<2.7000	
Diethylene Glycol	111-46-6	MG/KG				<2.9000		<2.8000	
Propylene Glycol	57-55-6	MG/KG				<3.5000		<3.4000	
Triethylene Glycol	112-27-6	MG/KG				<3.7000		<3.7000	
<i>Inorganics</i>									
Antimony	7440-36-0	MG/KG		<0.80 [U]	<0.719		1.02 J		2.16 J
Arsenic	7440-38-2	MG/KG		2.1	2.12		1.35		1.80
Barium	7440-39-3	MG/KG		81.2	30.5		27.9		36.3
Beryllium	7440-41-7	MG/KG		1.2	1.31		0.859		0.916
Cadmium	7440-43-9	MG/KG		<0.10 [U]	0.0643 J		0.212 J		0.548 J
Chromium	7440-47-3	MG/KG		2.2	2.44		3.03		6.99
Cobalt	7440-48-4	MG/KG		8.6	4.36		1.07		1.85
Copper	7440-50-8	MG/KG		2.6	0.962 J		1.94		4.98
Lead	7439-92-1	MG/KG		7.3	3.53		6.66		11.3
Mercury	7439-97-6	MG/KG		<0.012 [U]	<0.0030		0.0065 B		0.0581 J
Nickel	7440-02-0	MG/KG		4.5	2.71		1.82		3.91
Selenium	7782-49-2	MG/KG		<0.49 [U]	<0.512		<1.00		<1.01
Silver	7440-22-4	MG/KG		0.50	<0.163		<0.152		0.651
Thallium	7440-28-0	MG/KG		<1.1 [U]	<1.01		<1.07		<1.08
Tin	7440-31-5	MG/KG		3.2	3.39 B		2.85 B		3.37 B
Vanadium	7440-62-2	MG/KG		15.5	14.5		8.69		11.3
Zinc	7440-66-6	MG/KG		38.6	29.1		21.1		40.2

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Analyte	CAS No.	Units	Location ID	SWMU-17	SWMU101	SWMU13-SS-1	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
			Field Sample ID	12620131	12211777	13349662	13374474	13349664	13374475
			Sample Name	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
			Date Sampled	11/21/2002	09/10/2003	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	12 - 16	8 - 12	4 - 8	4 - 8	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		10.8	8.2	23.1	17.6	21.0	17.2
Percent Moisture	EVS0198	% BY WT.							

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG			<0.0570		<0.0010	
1,1,1-Trichloroethane	71-55-6	MG/KG			<0.0570		<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG			2.3000		<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG			<0.0570		<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG			<0.0570		<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG			<0.0570		<0.0010	
1,2,3-Trichloropropane	96-18-4	MG/KG			<0.0570		<0.0010	
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG			<0.1100		<0.0020	
1,2-Dibromoethane (EDB)	106-93-4	MG/KG			<0.0570		<0.0010	
1,2-Dichlorobenzene	95-50-1	MG/KG			<0.4100		<0.0410	
1,2-Dichloroethane	107-06-2	MG/KG			<0.0570		<0.0010	
1,2-Dichloropropane	78-87-5	MG/KG			<0.0570		<0.0010	
1,3-Dichlorobenzene	541-73-1	MG/KG			<0.4100		<0.0410	
1,4-Dichlorobenzene	106-46-7	MG/KG			<0.4100		<0.0410	
2-Hexanone	591-78-6	MG/KG			<0.1700		<0.0030	
Acetone	67-64-1	MG/KG			1.2000		0.0820	
Acetonitrile	75-05-8	MG/KG			<1.4000		<0.0260	
Acrolein	107-02-8	MG/KG			<1.1000		<0.0210	
Acrylonitrile	107-13-1	MG/KG			<0.2300		<0.0040	
Allyl Chloride	107-05-1	MG/KG			<0.0570		<0.0010	
Benzene	71-43-2	MG/KG			<0.0280		<0.00050	
Bromodichloromethane	75-27-4	MG/KG			<0.0570		<0.0010	
Bromoform	75-25-2	MG/KG			<0.0570		<0.0010	
Carbon Disulfide	75-15-0	MG/KG			<0.0570		0.0050	
Carbon Tetrachloride	56-23-5	MG/KG			<0.0570		<0.0010	
Chlorobenzene	108-90-7	MG/KG			<0.0570		<0.0010	
Chlorodibromomethane	124-48-1	MG/KG			<0.0570		<0.0010	
Chloroform	67-66-3	MG/KG			<0.0570		<0.0010	
Chloroprene	126-99-8	MG/KG			<0.0570		<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG			0.8900		<0.0010	
cis-1,3-Dichloropropene	10061-01-5	MG/KG			<0.0570		<0.0010	
Dichlorodifluoromethane	75-71-8	MG/KG			<0.1100		<0.0020	
Ethyl Chloride	75-00-3	MG/KG			<0.1100		<0.0020	
Ethyl Methacrylate	97-63-2	MG/KG			<0.0570		<0.0010	
Ethylbenzene	100-41-4	MG/KG			0.0950 J		0.0110	
Iodomethane	74-88-4	MG/KG			<0.1700		<0.0030	
Isobutyl Alcohol	78-83-1	MG/KG			<5.7000		<0.1100	
Methacrylonitrile	126-98-7	MG/KG			<0.2800		<0.0050	
Methyl Bromide	74-83-9	MG/KG			<0.1100		<0.0020	
Methyl Chloride	74-87-3	MG/KG			<0.1100		<0.0020	

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG			<0.2300		0.0070 J	
Methyl Isobutyl Ketone	108-10-1	MG/KG			<0.1700		<0.0030	
Methyl Methacrylate	80-62-6	MG/KG			<0.0570		<0.0010	
Methylene Bromide	74-95-3	MG/KG			<0.0570		<0.0010	
Methylene Chloride	75-09-2	MG/KG			<0.1100		0.0020 J	
Pentachloroethane	76-01-7	MG/KG			<0.0570		<0.0010	
Propionitrile	107-12-0	MG/KG			<1.7000		<0.0320	
Styrene	100-42-5	MG/KG			<0.0570		<0.0010	
Tetrachloroethene	127-18-4	MG/KG			0.3300		<0.0010	
Toluene	108-88-3	MG/KG			0.1100 J		<0.0010	
trans-1,2-Dichloroethene	156-60-5	MG/KG			0.4600		<0.0010	
trans-1,3-Dichloropropene	10061-02-6	MG/KG			<0.0570		<0.0010	
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG			<0.5700		<0.0110	
Trichloroethene	79-01-6	MG/KG			0.5400		<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG			<0.1100		<0.0020	
Vinyl Acetate	108-05-4	MG/KG			<0.1100		<0.0020	
Vinyl Chloride	75-01-4	MG/KG			<0.0570		<0.0010	
Xylenes	1330-20-7	MG/KG			0.6300		<0.0010	
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG			<0.8300		<0.0820	
1,2,4-Trichlorobenzene	120-82-1	MG/KG			<0.4100		<0.0410	
1,2-Diphenylhydrazine	122-66-7	MG/KG			<0.4100		<0.0410	
1,3,5-Trinitrobenzene	99-35-4	MG/KG			<2.1000		<0.2100	
1,3-Dinitrobenzene	99-65-0	MG/KG			<0.8300		<0.0820	
1,4-Dioxane	123-91-1	MG/KG			<1.2000		<0.1200	
1,4-Naphthoquinone	130-15-4	MG/KG			<10.0000 UJ		<1.0000 UJ	
1-Methylnaphthalene	90-12-0	MG/KG			<0.4100		<0.0410	
1-Naphthylamine	134-32-7	MG/KG			<2.1000		<0.2100	
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG			<0.8300		<0.0820	
2,4,5-Trichlorophenol	95-95-4	MG/KG			<0.4100		<0.0410	
2,4,6-Trichlorophenol	88-06-2	MG/KG			<0.4100		<0.0410	
2,4-Dichlorophenol	120-83-2	MG/KG			<0.4100		<0.0410	
2,4-Dimethylphenol	105-67-9	MG/KG			<0.4100		<0.0410	
2,4-Dinitrophenol	51-28-5	MG/KG			<8.3000		<0.8200	
2,4-Dinitrotoluene	121-14-2	MG/KG			<0.8300		<0.0820	
2,6-Dichlorophenol	87-65-0	MG/KG			<0.8300		<0.0820	
2,6-Dinitrotoluene	606-20-2	MG/KG			<0.4100		<0.0410	
2-Acetylaminofluorene	53-96-3	MG/KG			<0.8300		<0.0820	
2-Chloronaphthalene	91-58-7	MG/KG			<0.4100		<0.0410	
2-Chlorophenol	95-57-8	MG/KG			<0.4100		<0.0410	
2-Methylnaphthalene	91-57-6	MG/KG			<0.4100		<0.0410	

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG			<0.4100		<0.0410	
2-Naphthylamine	91-59-8	MG/KG			<2.1000 R		<0.2100 R	
2-Nitroaniline	88-74-4	MG/KG			<0.4100		<0.0410	
2-Nitrophenol	88-75-5	MG/KG			<0.4100		<0.0410	
2-Picoline	109-06-8	MG/KG			<0.8300		<0.0820	
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG			<0.8300		<0.0820	
3,3'-Dimethylbenzidine	119-93-7	MG/KG			<2.1000		<0.2100	
3-Methylcholanthrene	56-49-5	MG/KG			<0.8300		<0.0820	
3-Nitroaniline	99-09-2	MG/KG			<0.8300		<0.0820	
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG			<0.4100		<0.0410	
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG			<2.1000		<0.2100	
4-Aminobiphenyl	92-67-1	MG/KG			<2.1000		<0.2100	
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG			<0.4100		<0.0410	
4-Chloro-3-Methylphenol	59-50-7	MG/KG			<0.8300		<0.0820	
4-Chloroaniline	106-47-8	MG/KG			<0.4100		<0.0410	
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG			<0.4100		<0.0410	
4-Dimethylaminoazobenzene	60-11-7	MG/KG			<0.8300		<0.0820	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG			<0.8300		<0.0820	
4-Nitroaniline	100-01-6	MG/KG			<0.8300		<0.0820	
4-Nitrophenol	100-02-7	MG/KG			<2.1000		<0.2100	
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG			<4.1000		<0.4100	
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG			<2.1000		<0.2100	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG			<0.4100		<0.0410	
Acenaphthene	83-32-9	MG/KG			<0.4100		<0.0410	
Acenaphthylene	208-96-8	MG/KG			<0.4100		<0.0410	
Acetophenone	98-86-2	MG/KG			<0.8300		<0.0820	
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG			<0.4100		<0.0410	
Anthracene	120-12-7	MG/KG			<0.4100		<0.0410	
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG			<0.4100 R		<0.0410 R	
Benzidine	92-87-5	MG/KG			<8.3000		<0.8200	
Benzo(A)Anthracene	56-55-3	MG/KG			<0.4100		<0.0410	
Benzo(B)Fluoranthene	205-99-2	MG/KG			<0.4100		<0.0410	
Benzo(G,H,I)Perylene	191-24-2	MG/KG			<0.4100		<0.0410	
Benzo(K)Fluoranthene	207-08-9	MG/KG			<0.4100		<0.0410	
Benzo[A]Pyrene	50-32-8	MG/KG			<0.4100		<0.0410	
Benzoic Acid	65-85-0	MG/KG			2.1000 J		<0.2100 UJ	
Benzyl Alcohol	100-51-6	MG/KG			<2.1000		<0.2100	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.4100		<0.0410		
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.4100		<0.0410		
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.4100		<0.0410		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<1.2000		<0.1200		
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.8300		0.1600 J		
Carbazole	86-74-8	MG/KG		<0.4100		<0.0410		
Chlorobenzilate	510-15-6	MG/KG		<0.4100		<0.0410		
Chrysene	218-01-9	MG/KG		<0.4100		<0.0410		
Diallate	2303-16-4	MG/KG		<0.4100		<0.0410		
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.4100		<0.0410		
Dibenzofuran	132-64-9	MG/KG		0.7500 J		<0.0410		
Diethyl Phthalate	84-66-2	MG/KG		<0.8300		<0.0820		
Dimethyl Phthalate	131-11-3	MG/KG		<0.8300		<0.0820		
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.8300		<0.0820		
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.8300		<0.0820		
Fluoranthene	206-44-0	MG/KG		<0.4100		<0.0410		
Fluorene	86-73-7	MG/KG		<0.4100		<0.0410		
Hexachlorobenzene	118-74-1	MG/KG		<0.4100		<0.0410		
Hexachlorobutadiene	87-68-3	MG/KG		<0.8300		<0.0820		
Hexachlorocyclopentadiene	77-47-4	MG/KG		<2.1000		<0.2100		
Hexachloroethane	67-72-1	MG/KG		<0.4100		<0.0410		
Hexachloropropylene	1888-71-7	MG/KG		<1.2000		<0.1200		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.4100		<0.0410		
Isodrin	465-73-6	MG/KG		<0.4100		<0.0410		
Isophorone	78-59-1	MG/KG		<0.4100		<0.0410		
Isosafrole	120-58-1	MG/KG		<0.8300		<0.0820		
Methapyrilene	91-80-5	MG/KG		<1.2000		<0.1200		
Methyl Methanesulfonate	66-27-3	MG/KG		<0.4100		<0.0410		
Naphthalene	91-20-3	MG/KG		<0.4100		<0.0410		
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.8300		<0.0820		
Nitrobenzene	98-95-3	MG/KG		<0.4100		<0.0410		
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.8300		<0.0820		
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.8300		<0.0820		
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.8300		<0.0820		
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.8300		<0.0820		
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.4100		<0.0410		
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.4100		<0.0410		
N-Nitrosomorpholine	59-89-2	MG/KG		<0.8300		<0.0820		
N-Nitrosopiperidine	100-75-4	MG/KG		<0.8300		<0.0820		
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.8300		<0.0820		
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.8300		<0.0820		

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG			<0.8300		<0.0820	
para-Phenylenediamine	106-50-3	MG/KG			<31.0000 UJ		<3.1000 UJ	
Pentachlorobenzene	608-93-5	MG/KG			<0.8300		<0.0820	
Pentachloronitrobenzene	82-68-8	MG/KG			<0.8300		<0.0820	
Pentachlorophenol	87-86-5	MG/KG			<2.1000		<0.2100	
Phenacetin	62-44-2	MG/KG			<0.8300		<0.0820	
Phenanthrene	85-01-8	MG/KG			<0.4100		<0.0410	
Phenol	108-95-2	MG/KG			1.8000 J		<0.0410	
Pyrene	129-00-0	MG/KG			<0.4100		<0.0410	
Pyridine	110-86-1	MG/KG			<0.8300		<0.0820	
Safrole	94-59-7	MG/KG			<0.8300		<0.0820	
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG			<0.8300		<0.0820	
Thionazin	297-97-2	MG/KG			<0.8300		<0.0820	
Dimethoate	60-51-5	MG/KG			<0.4100		<0.0410	
Pronamide	23950-58-5	MG/KG			<0.4100		<0.0410	
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG			200.0000		<0.0410	
Diphenyl Ether	101-84-8	MG/KG			530.0000		<0.0410	
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG		<2.6000		<2.6000		<2.5000
Diethylene Glycol	111-46-6	MG/KG		<2.8000		<2.7000		<2.7000
Propylene Glycol	57-55-6	MG/KG		<3.3000		<3.3000		<3.2000
Triethylene Glycol	112-27-6	MG/KG		<3.6000		<3.5000		<3.4000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG			2.49		0.985 J	
Arsenic	7440-38-2	MG/KG			1.65		1.67	
Barium	7440-39-3	MG/KG			36.0		32.8	
Beryllium	7440-41-7	MG/KG			0.923		0.858	
Cadmium	7440-43-9	MG/KG			0.310 J		0.388 J	
Chromium	7440-47-3	MG/KG			8.08		8.81	
Cobalt	7440-48-4	MG/KG			2.08		1.68	
Copper	7440-50-8	MG/KG			21.7		5.88	
Lead	7439-92-1	MG/KG			10.6		18.7	
Mercury	7439-97-6	MG/KG			0.0541 J		0.0777 J	
Nickel	7440-02-0	MG/KG			4.18		5.73	
Selenium	7782-49-2	MG/KG			<1.05		<1.03	
Silver	7440-22-4	MG/KG			0.687		0.961	
Thallium	7440-28-0	MG/KG			<1.13		<1.10	
Tin	7440-31-5	MG/KG			3.52 B		3.53 B	
Vanadium	7440-62-2	MG/KG			11.8		23.6	
Zinc	7440-66-6	MG/KG			496		25.5	

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-4	SWMU13-SS-5
			Field Sample ID	13349666	13374476	13349668	13374477	13349670
			Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004	07/01/2004
			Start Depth - End Depth	4 - 8	4 - 8	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		19.7	19.2	18.2	19.1	17.6
Percent Moisture	EVS0198	% BY WT.						

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010		120.0000	<0.0020	220.0000
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010		0.2900 J	<0.0020	3.5000
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010		0.1200 J	<0.0020	0.3000 J
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Hexanone	591-78-6	MG/KG		<0.0030		<0.2700	<0.0050	<0.2800
Acetone	67-64-1	MG/KG		0.0500		<0.6200	0.2200	<0.6500
Acetonitrile	75-05-8	MG/KG		<0.0270		<2.2000	<0.0450	<2.3000
Acrolein	107-02-8	MG/KG		<0.0220		<1.8000	<0.0360	<1.9000
Acrylonitrile	107-13-1	MG/KG		<0.0040		<0.3500	<0.0070	<0.3700
Allyl Chloride	107-05-1	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Benzene	71-43-2	MG/KG		<0.00050		<0.0440	<0.00090 UJ	<0.0470
Bromodichloromethane	75-27-4	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Bromoform	75-25-2	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Carbon Disulfide	75-15-0	MG/KG		0.0020 J		<0.0890	<0.0020	<0.0930
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Chlorobenzene	108-90-7	MG/KG		<0.0010		<0.0890	<0.0020 UJ	<0.0930
Chlorodibromomethane	124-48-1	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Chloroform	67-66-3	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Chloroprene	126-99-8	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
cis-1,2 Dichloroethene	156-59-2	MG/KG		0.0020 J		1.8000	<0.0020	6.1000
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Ethyl Chloride	75-00-3	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Ethylbenzene	100-41-4	MG/KG		<0.0010		0.1600 J	<0.0020 UJ	11.0000
Iodomethane	74-88-4	MG/KG		<0.0030		<0.2700	<0.0050	<0.2800
Isobutyl Alcohol	78-83-1	MG/KG		<0.1100		<8.9000	<0.1800	<9.3000
Methacrylonitrile	126-98-7	MG/KG		<0.0050		<0.4400	<0.0090	<0.4700
Methyl Bromide	74-83-9	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Methyl Chloride	74-87-3	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040		<0.3500	0.0370	<0.3700
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030		<0.2700	<0.0050	<0.2800
Methyl Methacrylate	80-62-6	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Methylene Bromide	74-95-3	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Methylene Chloride	75-09-2	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Pentachloroethane	76-01-7	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Propionitrile	107-12-0	MG/KG		<0.0330		<2.7000	<0.0550	<2.8000
Styrene	100-42-5	MG/KG		<0.0010		<0.0890	<0.0020 UJ	<0.0930
Tetrachloroethene	127-18-4	MG/KG		<0.0010		3.6000	<0.0020	23.0000
Toluene	108-88-3	MG/KG		<0.0010		1.8000	0.0020 J	2.7000
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010		0.8300	<0.0020	0.3500 J
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0110		<0.8900	<0.0180	<0.9300
Trichloroethene	79-01-6	MG/KG		<0.0010		2.0000	<0.0020	4.6000
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Vinyl Acetate	108-05-4	MG/KG		<0.0020		<0.1800	<0.0040	<0.1900
Vinyl Chloride	75-01-4	MG/KG		<0.0010		<0.0890	<0.0020	<0.0930
Xylenes	1330-20-7	MG/KG		<0.0010		1.0000	<0.0020 UJ	64.0000
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0400		1.1000 J	<0.4100	<2.4000
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0400		1.2000 J	<0.4100	<2.4000
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
1,4-Dioxane	123-91-1	MG/KG		<0.1200		<1.6000	<1.2000	<7.1000
1,4-Naphthoquinone	130-15-4	MG/KG		<1.0000 UJ		<13.0000 UJ	<10.0000 UJ	<59.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG		<0.0400		1.6000 J	4.6000	3.5000 J
1-Naphthylamine	134-32-7	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2,4-Dinitrophenol	51-28-5	MG/KG		<0.8000		<11.0000	<8.2000	<48.0000
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
2-Chloronaphthalene	91-58-7	MG/KG		<0.0400		<0.5300	<0.4100	36.0000
2-Chlorophenol	95-57-8	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Methylnaphthalene	91-57-6	MG/KG		<0.0400		2.2000 J	9.1000	3.9000 J

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Naphthylamine	91-59-8	MG/KG		<0.2000 R		<2.7000 R	<2.1000	<12.0000
2-Nitroaniline	88-74-4	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Nitrophenol	88-75-5	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
2-Picoline	109-06-8	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.2000		<2.7000	<2.1000 R	<12.0000 R
3-Methylcholanthrene	56-49-5	MG/KG		<0.0800		<1.1000	1.3000 J	<4.8000
3-Nitroaniline	99-09-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
4-Aminobiphenyl	92-67-1	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
4-Chloroaniline	106-47-8	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
4-Nitroaniline	100-01-6	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
4-Nitrophenol	100-02-7	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4000		<5.3000	<4.1000	<24.0000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Acenaphthene	83-32-9	MG/KG		<0.0400		<0.5300	25.0000	<2.4000
Acenaphthylene	208-96-8	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Acetophenone	98-86-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Anthracene	120-12-7	MG/KG		<0.0400		<0.5300	37.0000	<2.4000
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		<0.0400 R		<0.5300 R	<0.4100	3.7000 J
Benzidine	92-87-5	MG/KG		<0.8000		<11.0000	<8.2000	<48.0000
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0400		<0.5300	48.0000	<2.4000
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0400		<0.5300	51.0000	<2.4000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0400		<0.5300	12.0000	<2.4000
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0400		<0.5300	23.0000	<2.4000
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0400		<0.5300	41.0000	<2.4000
Benzoic Acid	65-85-0	MG/KG		<0.2000 UJ		<2.7000 UJ	<2.1000	<12.0000
Benzyl Alcohol	100-51-6	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.1200		3.5000 J	<1.2000	<7.1000
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Carbazole	86-74-8	MG/KG		<0.0400		<0.5300	21.0000	<2.4000
Chlorobenzilate	510-15-6	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Chrysene	218-01-9	MG/KG		<0.0400		<0.5300	54.0000	<2.4000
Diallate	2303-16-4	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0400		<0.5300	4.2000	<2.4000
Dibenzofuran	132-64-9	MG/KG		<0.0400		10.0000	15.0000	18.0000 J
Diethyl Phthalate	84-66-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Dimethyl Phthalate	131-11-3	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0800		1.4000 J	<0.8200	<4.8000
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Fluoranthene	206-44-0	MG/KG		<0.0400		<0.5300	130.0000	<2.4000
Fluorene	86-73-7	MG/KG		<0.0400		<0.5300	26.0000	<2.4000
Hexachlorobenzene	118-74-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Hexachlorobutadiene	87-68-3	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
Hexachloroethane	67-72-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Hexachloropropylene	1888-71-7	MG/KG		<0.1200		<1.6000	<1.2000	<7.1000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0400		<0.5300	15.0000	<2.4000
Isodrin	465-73-6	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Isophorone	78-59-1	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Isosafrole	120-58-1	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Methapyrilene	91-80-5	MG/KG		<0.1200		<1.6000	<1.2000	<7.1000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Naphthalene	91-20-3	MG/KG		<0.0400		0.9300 J	28.0000	6.8000 J
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Nitrobenzene	98-95-3	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
para-Phenylenediamine	106-50-3	MG/KG		<3.0000 UJ		<40.0000 UJ	<31.0000 UJ	<180.0000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Pentachlorophenol	87-86-5	MG/KG		<0.2000		<2.7000	<2.1000	<12.0000
Phenacetin	62-44-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Phenanthrene	85-01-8	MG/KG		<0.0400		0.9600 J	130.0000	<2.4000
Phenol	108-95-2	MG/KG		<0.0400		1.0000 J	<0.4100	<2.4000
Pyrene	129-00-0	MG/KG		<0.0400		<0.5300	100.0000	<2.4000
Pyridine	110-86-1	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Safrole	94-59-7	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Thionazin	297-97-2	MG/KG		<0.0800		<1.1000	<0.8200	<4.8000
Dimethoate	60-51-5	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
Pronamide	23950-58-5	MG/KG		<0.0400		<0.5300	<0.4100	<2.4000
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		<0.0400		2000.0000	2.4000 J	5100.0000
Diphenyl Ether	101-84-8	MG/KG		<0.0400		5700.0000	<0.4100	13000.0000
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG			<3.1000		3.4000 B	3.2000 B
Diethylene Glycol	111-46-6	MG/KG			<3.3000		<2.4000	<2.6000
Propylene Glycol	57-55-6	MG/KG			<4.0000		<3.0000	<3.1000
Triethylene Glycol	112-27-6	MG/KG			<4.3000		<3.2000	<3.3000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		0.913 J		11.4	<0.906	137
Arsenic	7440-38-2	MG/KG		2.63		1.33 J	2.16	7.99
Barium	7440-39-3	MG/KG		21.7		59.1	40.7	38.9
Beryllium	7440-41-7	MG/KG		0.762		0.930	0.231 J	0.428 J
Cadmium	7440-43-9	MG/KG		0.358 J		1.05	1.00	2.83
Chromium	7440-47-3	MG/KG		11.7		53.0	20.0	53.7
Cobalt	7440-48-4	MG/KG		1.31		1.22	4.46	2.25
Copper	7440-50-8	MG/KG		4.85		183	28.6	4.56
Lead	7439-92-1	MG/KG		10.5		22.0	16.7	19.3
Mercury	7439-97-6	MG/KG		0.101 J		0.731	0.0482 B	0.678
Nickel	7440-02-0	MG/KG		4.42		3.48	36.9	352
Selenium	7782-49-2	MG/KG		<1.02		<1.37	<1.05	<1.23
Silver	7440-22-4	MG/KG		<0.155		137	1.05	654
Thallium	7440-28-0	MG/KG		<1.09		<1.47	<1.13	<1.31
Tin	7440-31-5	MG/KG		3.51 B		13.4 J	4.66 B	3.26 B
Vanadium	7440-62-2	MG/KG		23.0		9.29	119	3290
Zinc	7440-66-6	MG/KG		16.3		210	170	29.3

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Analyte	CAS No.	Units	Location ID	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-6	SWMU16-SS-1	SWMU16-SS-2
			Field Sample ID	13374478	13349660	13374479	13369208	13369210
			Sample Name	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-1(1-5)	BRE-V-SWMU16-SS-2(4-8)
			Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/12/2004	07/12/2004
			Start Depth - End Depth	3 - 7	3.5 - 7.5	3.5 - 7.5	1 - 5	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		16.8	33.1	37.3	19.1	29.9
Percent Moisture	EVS0198	% BY WT.						

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		0.0240	39.0000	0.1900	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		0.0020 J	<2.6000	0.0060	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<2.6000	0.0010 J	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Hexanone	591-78-6	MG/KG		<0.0030	<7.7000	<0.0030	<0.0040	<0.0040
Acetone	67-64-1	MG/KG		0.0120 J	<18.0000	0.0300	0.0500	0.0170 J
Acetonitrile	75-05-8	MG/KG		<0.0270	<65.0000	<0.0280	<0.0290	<0.0310
Acrolein	107-02-8	MG/KG		<0.0220	<52.0000	<0.0220	<0.0230	<0.0250
Acrylonitrile	107-13-1	MG/KG		<0.0040	<10.0000	<0.0040	<0.0050	<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00050	<1.3000	0.0020 J	<0.00060 UJ	<0.00060
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010 UJ	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<2.6000	0.0010 J	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	6.9000 J	0.0080	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<2.6000	0.0010 J	<0.0010 UJ	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0030	<7.7000	<0.0030	<0.0040	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<0.1100	<260.0000	<0.1100	<0.1200	<0.1200
Methacrylonitrile	126-98-7	MG/KG		<0.0050	<13.0000	<0.0060	<0.0060	<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0040	<10.0000	<0.0040	<0.0050	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0030	<7.7000	<0.0030	<0.0040	<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0330	<77.0000	<0.0330	<0.0350	<0.0370
Styrene	100-42-5	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010 UJ	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	33.0000	0.2800 J	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	3.3000 J	0.0170	<0.0010 UJ	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0110	<26.0000	<0.0110	<0.0120	<0.0120
Trichloroethene	79-01-6	MG/KG		<0.0010	20.0000	0.0980	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0020	<5.2000	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<2.6000	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	3.7000 J	0.0250	<0.0010 UJ	<0.0010
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
1,4-Dioxane	123-91-1	MG/KG		<0.1100	<19.0000	<0.1100	<0.1200	<0.1100
1,4-Naphthoquinone	130-15-4	MG/KG		<0.9400 UJ	<160.0000 UJ	<0.9200 UJ	<1.0000 UJ	<0.9400 UJ
1-Methylnaphthalene	90-12-0	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
1-Naphthylamine	134-32-7	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2,4-Dinitrophenol	51-28-5	MG/KG		<0.7600	<130.0000	<0.7400	<0.8100	<0.7500
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
2-Chloronaphthalene	91-58-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Chlorophenol	95-57-8	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Naphthylamine	91-59-8	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
2-Nitroaniline	88-74-4	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Nitrophenol	88-75-5	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
2-Picoline	109-06-8	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.1900 R	<32.0000 R	<0.1800 R	<0.2000 R	<0.1900 R
3-Methylcholanthrene	56-49-5	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
3-Nitroaniline	99-09-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
4-Aminobiphenyl	92-67-1	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
4-Chloroaniline	106-47-8	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0760	<13.0000	0.1700 J	<0.0810	<0.0750
4-Nitroaniline	100-01-6	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
4-Nitrophenol	100-02-7	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.3800	<64.0000	<0.3700	<0.4100	<0.3700
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Acenaphthene	83-32-9	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Acenaphthylene	208-96-8	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Acetophenone	98-86-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Anthracene	120-12-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Benzidine	92-87-5	MG/KG		<0.7600	<130.0000	<0.7400	<0.8100	<0.7500
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0380	<6.4000	<0.0370	0.1500 J	<0.0370
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0380	<6.4000	<0.0370	0.2000 J	<0.0370
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0380	<6.4000	<0.0370	0.0730 J	<0.0370
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0380	<6.4000	<0.0370	0.0850 J	<0.0370
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0380	<6.4000	<0.0370	0.1600 J	<0.0370
Benzoic Acid	65-85-0	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
Benzyl Alcohol	100-51-6	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.1100	<19.0000	<0.1100	<0.1200	0.4600
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Carbazole	86-74-8	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Chlorobenzilate	510-15-6	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Chrysene	218-01-9	MG/KG		<0.0380	<6.4000	<0.0370	0.1700 J	<0.0370
Diallate	2303-16-4	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Dibenzofuran	132-64-9	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Diethyl Phthalate	84-66-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Dimethyl Phthalate	131-11-3	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Fluoranthene	206-44-0	MG/KG		<0.0380	<6.4000	<0.0370	0.3100 J	<0.0370
Fluorene	86-73-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Hexachlorobenzene	118-74-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Hexachlorobutadiene	87-68-3	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
Hexachloroethane	67-72-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Hexachloropropylene	1888-71-7	MG/KG		<0.1100	<19.0000	<0.1100	<0.1200	<0.1100
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0380	<6.4000	<0.0370	0.0810 J	<0.0370
Isodrin	465-73-6	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Isophorone	78-59-1	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Isosafrole	120-58-1	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Methapyrilene	91-80-5	MG/KG		<0.1100	<19.0000	<0.1100	<0.1200	<0.1100
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Naphthalene	91-20-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Nitrobenzene	98-95-3	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
para-Phenylenediamine	106-50-3	MG/KG		<2.8000 UJ	<480.0000 UJ	<2.8000 UJ	<3.1000 UJ	<2.8000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Pentachlorophenol	87-86-5	MG/KG		<0.1900	<32.0000	<0.1800	<0.2000	<0.1900
Phenacetin	62-44-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Phenanthrene	85-01-8	MG/KG		<0.0380	<6.4000	<0.0370	0.1200 J	<0.0370
Phenol	108-95-2	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Pyrene	129-00-0	MG/KG		<0.0380	<6.4000	<0.0370	0.2800 J	<0.0370
Pyridine	110-86-1	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Safrole	94-59-7	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Thionazin	297-97-2	MG/KG		<0.0760	<13.0000	<0.0740	<0.0810	<0.0750
Dimethoate	60-51-5	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
Pronamide	23950-58-5	MG/KG		<0.0380	<6.4000	<0.0370	<0.0410	<0.0370
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		<0.0380	540.0000	1.5000	<0.0410	<0.0370
Diphenyl Ether	101-84-8	MG/KG		<0.0380	2800.0000	2.8000	<0.0410	<0.0370
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG		<2.4000	3.5000 B	<2.6000	2.6000 B	<2.2000
Diethylene Glycol	111-46-6	MG/KG		<2.5000	<3.1000	<2.7000	<2.6000	<2.3000
Propylene Glycol	57-55-6	MG/KG		<3.0000	<3.8000	<3.3000	<3.2000	<2.8000
Triethylene Glycol	112-27-6	MG/KG		<3.2000	<4.1000	<3.5000	<3.4000	<3.0000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		<0.831 UJ	83.9	<0.796 UJ	<0.904	<0.806 UJ
Arsenic	7440-38-2	MG/KG		0.937 J	10.3	1.18	0.705 J	0.637 J
Barium	7440-39-3	MG/KG		53.1	35.2	107	24.9	20.9
Beryllium	7440-41-7	MG/KG		2.26	0.416 J	1.15	0.477 J	1.05
Cadmium	7440-43-9	MG/KG		<0.0629	4.44	0.328 J	0.205 J	<0.0610
Chromium	7440-47-3	MG/KG		1.07	74.3	0.889	2.32	0.664
Cobalt	7440-48-4	MG/KG		0.486 J	0.928 J	0.367 J	0.846	0.452 J
Copper	7440-50-8	MG/KG		0.832 B	4.83	0.705 B	1.82	0.558 B
Lead	7439-92-1	MG/KG		7.80	12.8	12.8	9.47	9.83
Mercury	7439-97-6	MG/KG		0.0080 B	0.724	0.0110 B	0.0156 B	0.0071 B
Nickel	7440-02-0	MG/KG		0.917 J	51.8	0.974 J	1.67	0.303 J
Selenium	7782-49-2	MG/KG		<0.965	<1.62	<0.925	<1.05	<0.937
Silver	7440-22-4	MG/KG		0.393 J	672	<0.140	0.161 J	<0.142
Thallium	7440-28-0	MG/KG		<1.03	<1.74	<0.989	<1.12	1.11 J
Tin	7440-31-5	MG/KG		4.68 B	3.87 B	3.49 B	3.49 B	3.20 B
Vanadium	7440-62-2	MG/KG		239	1310	2.34	6.50	2.74
Zinc	7440-66-6	MG/KG		21.7	68.8	34.8	13.8	9.27

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-4
			Field Sample ID	13369317	13369212	13369319	13369214	13369321
			Sample Name	BRE-S-SWMU16-SS-2(8-12)	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-V-SWMU16-SS-4(0-4)	BRE-S-SWMU16-SS-4(4-8)
			Date Sampled	07/15/2004	07/12/2004	07/15/2004	07/12/2004	07/15/2004
			Start Depth - End Depth	8 - 12	4 - 8	8 - 12	0 - 4	4 - 8
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		11.8	48.1	9.7	18.1	10.9
Percent Moisture	EVS0198	% BY WT.						

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
1,1,1-Trichloroethane	71-55-6	MG/KG		0.3100 J	<0.0010	<0.0010	<0.0020	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		51.0000	0.3500	0.0640 J	0.4100	
1,1,2-Trichloroethane	79-00-5	MG/KG		3.6000	0.1300	<0.0010	<0.0020	
1,1-Dichloroethane	75-34-3	MG/KG		<0.1200	0.0020 J	<0.0010	<0.0020	
1,1-Dichloroethene	75-35-4	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
1,2-Dichlorobenzene	95-50-1	MG/KG		<2.9000	<0.0380	<0.0380 UJ	<0.0370 UJ	
1,2-Dichloroethane	107-06-2	MG/KG		0.5500 J	0.0200	<0.0010	<0.0020	
1,2-Dichloropropane	78-87-5	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
1,3-Dichlorobenzene	541-73-1	MG/KG		<2.9000	<0.0380	<0.0380 UJ	<0.0370 UJ	
1,4-Dichlorobenzene	106-46-7	MG/KG		<2.9000	<0.0380	<0.0380 UJ	<0.0370 UJ	
2-Hexanone	591-78-6	MG/KG		<0.3500	<0.0040	<0.0040	<0.0050	
Acetone	67-64-1	MG/KG		<0.8100	0.0280	0.0200 J	0.0620	
Acetonitrile	75-05-8	MG/KG		<2.9000	<0.0290	<0.0060	<0.0430	
Acrolein	107-02-8	MG/KG		<2.3000	<0.0230	<0.0270	<0.0340	
Acrylonitrile	107-13-1	MG/KG		<0.4600	<0.0050	<0.0050	<0.0070	
Allyl Chloride	107-05-1	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Benzene	71-43-2	MG/KG		2.1000	0.0660 J	<0.00070	<0.00090	
Bromodichloromethane	75-27-4	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Bromoform	75-25-2	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Carbon Disulfide	75-15-0	MG/KG		<0.1200	0.0020 J	<0.0010	<0.0020	
Carbon Tetrachloride	56-23-5	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Chlorobenzene	108-90-7	MG/KG		0.2300 J	<0.0010	<0.0010	<0.0020	
Chlorodibromomethane	124-48-1	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Chloroform	67-66-3	MG/KG		<0.1200	<0.0010	0.0060 J	0.0230	
Chloroprene	126-99-8	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
cis-1,2 Dichloroethene	156-59-2	MG/KG		3.2000	0.0390 J	0.0150	0.0170	
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Dichlorodifluoromethane	75-71-8	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
Ethyl Chloride	75-00-3	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
Ethyl Methacrylate	97-63-2	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Ethylbenzene	100-41-4	MG/KG		4.0000	0.0060 J	<0.0010	<0.0020	
Iodomethane	74-88-4	MG/KG		<0.3500	<0.0040	<0.0040	<0.0050	
Isobutyl Alcohol	78-83-1	MG/KG		<12.0000	<0.1200	<0.1300	<0.1700	
Methacrylonitrile	126-98-7	MG/KG		<0.5800	<0.0060	<0.0070	<0.0090	
Methyl Bromide	74-83-9	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
Methyl Chloride	74-87-3	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.4600	0.0050 J	<0.0050	<0.0070	
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.3500	<0.0040	<0.0040	<0.0050	
Methyl Methacrylate	80-62-6	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Methylene Bromide	74-95-3	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Methylene Chloride	75-09-2	MG/KG		0.2400 J	0.0130 J	<0.0030	<0.0030	
Pentachloroethane	76-01-7	MG/KG		<0.1200	<0.0010	<0.0010	0.0030 J	
Propionitrile	107-12-0	MG/KG		<3.5000	<0.0350	<0.0400	<0.0520	
Styrene	100-42-5	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Tetrachloroethene	127-18-4	MG/KG		68.0000	0.0230 J	0.0050 J	0.0810	
Toluene	108-88-3	MG/KG		1.7000	0.0310 J	<0.0010	<0.0020	
trans-1,2-Dichloroethene	156-60-5	MG/KG		1.2000	0.0100 J	<0.0010	<0.0020	
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<1.2000	<0.0120 UJ	<0.0130	<0.0170	
Trichloroethene	79-01-6	MG/KG		19.0000	0.1600	0.0370	0.1200	
Trichlorofluoromethane	75-69-4	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
Vinyl Acetate	108-05-4	MG/KG		<0.2300	<0.0020	<0.0030	<0.0030	
Vinyl Chloride	75-01-4	MG/KG		<0.1200	<0.0010	<0.0010	<0.0020	
Xylenes	1330-20-7	MG/KG		25.0000	0.0610 J	<0.0010	<0.0020	
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
1,2-Diphenylhydrazine	122-66-7	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<14.0000	<0.1900	<0.1900 R	<0.1800 R	
1,3-Dinitrobenzene	99-65-0	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
1,4-Dioxane	123-91-1	MG/KG		<8.7000	<0.1100	<0.1200 UJ	<0.1100 UJ	
1,4-Naphthoquinone	130-15-4	MG/KG		<72.0000 UJ	<0.9400 UJ	<0.9600 UJ	<0.9200 UJ	
1-Methylnaphthalene	90-12-0	MG/KG		39.0000	<0.0380	<0.0380	<0.0370	
1-Naphthylamine	134-32-7	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
2,4,5-Trichlorophenol	95-95-4	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2,4,6-Trichlorophenol	88-06-2	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2,4-Dichlorophenol	120-83-2	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2,4-Dimethylphenol	105-67-9	MG/KG		<2.9000	0.0530 J	<0.0380	<0.0370	
2,4-Dinitrophenol	51-28-5	MG/KG		<58.0000	<0.7600	<0.7700	<0.7300	
2,4-Dinitrotoluene	121-14-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
2,6-Dichlorophenol	87-65-0	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
2,6-Dinitrotoluene	606-20-2	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2-Acetylaminofluorene	53-96-3	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
2-Chloronaphthalene	91-58-7	MG/KG		11.0000 J	<0.0380	<0.0380	<0.0370	
2-Chlorophenol	95-57-8	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2-Methylnaphthalene	91-57-6	MG/KG		55.0000	<0.0380	<0.0380	<0.0370	

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2-Naphthylamine	91-59-8	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
2-Nitroaniline	88-74-4	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2-Nitrophenol	88-75-5	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
2-Picoline	109-06-8	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<14.0000 R	<0.1900 R	<0.1900 UJ	<0.1800 UJ	
3-Methylcholanthrene	56-49-5	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
3-Nitroaniline	99-09-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
4-Aminobiphenyl	92-67-1	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
4-Chloroaniline	106-47-8	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<5.8000	0.3700 J	<0.0770	<0.0730	
4-Nitroaniline	100-01-6	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
4-Nitrophenol	100-02-7	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<29.0000	<0.3800	<0.3800	<0.3700	
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Acenaphthene	83-32-9	MG/KG		23.0000 J	<0.0380	<0.0380	<0.0370	
Acenaphthylene	208-96-8	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Acetophenone	98-86-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Anthracene	120-12-7	MG/KG		15.0000 J	<0.0380	<0.0380	<0.0370	
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Benzidine	92-87-5	MG/KG		<58.0000	<0.7600	<0.7700	<0.7300	
Benzo(A)Anthracene	56-55-3	MG/KG		15.0000 J	<0.0380	<0.0380	<0.0370	
Benzo(B)Fluoranthene	205-99-2	MG/KG		3.0000 J	<0.0380	<0.0380	<0.0370	
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Benzo(K)Fluoranthene	207-08-9	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Benzo[A]Pyrene	50-32-8	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Benzoic Acid	65-85-0	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
Benzyl Alcohol	100-51-6	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<8.7000	<0.1100	<0.1200	<0.1100	
Butyl Benzyl Phthalate	85-68-7	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Carbazole	86-74-8	MG/KG		9.7000 J	<0.0380	<0.0380	<0.0370	
Chlorobenzilate	510-15-6	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Chrysene	218-01-9	MG/KG		13.0000 J	<0.0380	<0.0380	<0.0370	
Diallate	2303-16-4	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Dibenzofuran	132-64-9	MG/KG		46.0000	<0.0380	<0.0380	<0.0370	
Diethyl Phthalate	84-66-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Dimethyl Phthalate	131-11-3	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Di-N-Butyl Phthalate	84-74-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Ethyl Methanesulfonate	62-50-0	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Fluoranthene	206-44-0	MG/KG		110.0000	<0.0380	<0.0380	<0.0370	
Fluorene	86-73-7	MG/KG		37.0000	<0.0380	<0.0380	<0.0370	
Hexachlorobenzene	118-74-1	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Hexachlorobutadiene	87-68-3	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Hexachlorocyclopentadiene	77-47-4	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
Hexachloroethane	67-72-1	MG/KG		<2.9000	<0.0380	<0.0380 UJ	<0.0370 UJ	
Hexachloropropylene	1888-71-7	MG/KG		<8.7000	<0.1100	<0.1200	<0.1100	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Isodrin	465-73-6	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Isophorone	78-59-1	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Isosafrole	120-58-1	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Methapyrilene	91-80-5	MG/KG		<8.7000	<0.1100	<0.1200	<0.1100	
Methyl Methanesulfonate	66-27-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Naphthalene	91-20-3	MG/KG		160.0000	<0.0380	<0.0380	<0.0370	
N-Dioctyl Phthalate	117-84-0	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Nitrobenzene	98-95-3	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
N-Nitrosodiethylamine	55-18-5	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
N-Nitrosodimethylamine	62-75-9	MG/KG		<5.8000	<0.0760	<0.0770 UJ	<0.0730 UJ	
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
N-Nitrosodiphenylamine	86-30-6	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
N-Nitrosomorpholine	59-89-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
N-Nitrosopiperidine	100-75-4	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
N-Nitrosopyrrolidine	930-55-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
para-Phenylenediamine	106-50-3	MG/KG		<220.0000 UJ	<2.8000 UJ	<2.9000 UJ	<2.7000 UJ	
Pentachlorobenzene	608-93-5	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Pentachloronitrobenzene	82-68-8	MG/KG		<5.8000	<0.0760	<0.1500	<0.1500	
Pentachlorophenol	87-86-5	MG/KG		<14.0000	<0.1900	<0.1900	<0.1800	
Phenacetin	62-44-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Phenanthrene	85-01-8	MG/KG		200.0000	<0.0380	<0.0380	<0.0370	
Phenol	108-95-2	MG/KG		<2.9000	0.0670 J	<0.0380	<0.0370	
Pyrene	129-00-0	MG/KG		79.0000	<0.0380	<0.0380	<0.0370	
Pyridine	110-86-1	MG/KG		<5.8000	<0.0760	<0.0770 UJ	<0.0730 UJ	
Safrole	94-59-7	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Thionazin	297-97-2	MG/KG		<5.8000	<0.0760	<0.0770	<0.0730	
Dimethoate	60-51-5	MG/KG		<2.9000	<0.0380	<0.0380	<0.0370	
Pronamide	23950-58-5	MG/KG		<2.9000	<0.0380	<0.1500	<0.1500	
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		4500.0000	0.6100	<0.0380	<0.0370	
Diphenyl Ether	101-84-8	MG/KG		11000.0000	13.0000	<0.0380	<0.0370	
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG		<2.9000	4.2000 B	<2.3000		<2.3000
Diethylene Glycol	111-46-6	MG/KG		<3.1000	<2.7000	<2.4000		<2.4000
Propylene Glycol	57-55-6	MG/KG		<3.7000	<3.3000	<2.9000		<2.9000
Triethylene Glycol	112-27-6	MG/KG		<4.0000	<3.5000	<3.1000		<3.1000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		295	3.16 J	<0.845 UJ	<0.790 UJ	
Arsenic	7440-38-2	MG/KG		4.90	4.83	1.82	1.94	
Barium	7440-39-3	MG/KG		17.6	135	100	153	
Beryllium	7440-41-7	MG/KG		0.332 J	1.35	2.58	2.33	
Cadmium	7440-43-9	MG/KG		0.995	0.879	0.400 J	0.371 J	
Chromium	7440-47-3	MG/KG		24.9	2.64	7.89	2.87	
Cobalt	7440-48-4	MG/KG		0.723 J	0.853	2.45	2.56	
Copper	7440-50-8	MG/KG		4.07	1.39	0.809 J	0.680 J	
Lead	7439-92-1	MG/KG		9.86	15.3	6.48	5.94	
Mercury	7439-97-6	MG/KG		0.117 J	0.0239 J	0.0144 J	<0.0035	
Nickel	7440-02-0	MG/KG		4.80	1.71	2.38	1.91	
Selenium	7782-49-2	MG/KG		<1.47	<0.956	<0.982	<0.918	
Silver	7440-22-4	MG/KG		23.6	<0.145	1.91	0.175 J	
Thallium	7440-28-0	MG/KG		<1.58	1.54 J	1.38 J	1.39 J	
Tin	7440-31-5	MG/KG		4.23 B	4.36 B	1.97 B	2.85 B	
Vanadium	7440-62-2	MG/KG		81.7	3.46	15.6	15.6	
Zinc	7440-66-6	MG/KG		52.6	218	36.7	31.6	

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Analyte	CAS No.	Units	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-1
			Field Sample ID	13369216	13369323	13534656	13534658	13541679
			Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)
			Date Sampled	07/12/2004	07/15/2004	08/11/2004	08/11/2004	08/11/2004
			Start Depth - End Depth	3 - 7	8 - 12	7 - 11	13 - 17	13 - 17
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		42.2	11.8	13.3	9.0	8.7
Percent Moisture	EVS0198	% BY WT.						

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,1,1-Trichloroethane	71-55-6	MG/KG		0.2300 J	0.2100 J	0.0020 J	<0.0100	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		4.6000	27.0000	1.0000	<0.0100	
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0850	<0.0640	0.0020 J	<0.0100	
1,1-Dichloroethane	75-34-3	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,1-Dichloroethene	75-35-4	MG/KG		0.3300 J	<0.0640	<0.0010	<0.0100	
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.4800 UJ	<0.4000 UJ	<0.0400	<0.1900	
1,2-Dichloroethane	107-06-2	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,2-Dichloropropane	78-87-5	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.4800 UJ	<0.4000 UJ	<0.0400	<0.1900	
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.4800 UJ	<0.4000 UJ	<0.0400	<0.1900	
2-Hexanone	591-78-6	MG/KG		<0.2500	<0.1900	0.0070 J	<0.0300	
Acetone	67-64-1	MG/KG		<0.5900	<0.4500	0.1300	0.1000 J	
Acetonitrile	75-05-8	MG/KG		<2.1000	<1.6000	<0.0300	<0.2500	
Acrolein	107-02-8	MG/KG		<1.7000	<1.3000	<0.0240	<0.2000	
Acrylonitrile	107-13-1	MG/KG		<0.3400	<0.2600	<0.0050	<0.0400	
Allyl Chloride	107-05-1	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Benzene	71-43-2	MG/KG		<0.0420	<0.0320	<0.0010	<0.0050	
Bromodichloromethane	75-27-4	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Bromoform	75-25-2	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Carbon Disulfide	75-15-0	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Carbon Tetrachloride	56-23-5	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Chlorobenzene	108-90-7	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Chlorodibromomethane	124-48-1	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Chloroform	67-66-3	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Chloroprene	126-99-8	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
cis-1,2 Dichloroethene	156-59-2	MG/KG		100.0000	8.6000	1.3000	<0.0100	
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Dichlorodifluoromethane	75-71-8	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Ethyl Chloride	75-00-3	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Ethyl Methacrylate	97-63-2	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Ethylbenzene	100-41-4	MG/KG		3.2000	<0.0640	0.0020 J	<0.0100	
Iodomethane	74-88-4	MG/KG		<0.2500	<0.1900	<0.0040	<0.0300	
Isobutyl Alcohol	78-83-1	MG/KG		<8.5000	<6.4000	<0.1200	<1.0000	
Methacrylonitrile	126-98-7	MG/KG		<0.4200	<0.3200	<0.0060	<0.0500	
Methyl Bromide	74-83-9	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Methyl Chloride	74-87-3	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	

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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.3400	<0.2600	<0.0050	<0.0400	
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.2500	<0.1900	0.0080 J	<0.0300	
Methyl Methacrylate	80-62-6	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Methylene Bromide	74-95-3	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Methylene Chloride	75-09-2	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Pentachloroethane	76-01-7	MG/KG		<0.0850	0.2800 J	<0.0010	<0.0100	
Propionitrile	107-12-0	MG/KG		<2.5000	<1.9000	<0.0350	<0.3000	
Styrene	100-42-5	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Tetrachloroethene	127-18-4	MG/KG		5.0000	10.0000	0.0240 J	<0.0100	
Toluene	108-88-3	MG/KG		4.3000	<0.0640	0.0080 J	<0.0100	
trans-1,2-Dichloroethene	156-60-5	MG/KG		0.0930 J	<0.0640	<0.0010	<0.0100	
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.8500	<0.6400	<0.0120	<0.1000	
Trichloroethene	79-01-6	MG/KG		24.0000	71.0000	1.5000	<0.0100	
Trichlorofluoromethane	75-69-4	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Vinyl Acetate	108-05-4	MG/KG		<0.1700	<0.1300	<0.0020	<0.0200	
Vinyl Chloride	75-01-4	MG/KG		<0.0850	<0.0640	<0.0010	<0.0100	
Xylenes	1330-20-7	MG/KG		14.0000	<0.0640	0.0060 J	<0.0100	
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<2.4000 R	<2.0000 R	<0.2000	<0.9400	
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
1,4-Dioxane	123-91-1	MG/KG		<1.4000 UJ	<1.2000 UJ	<0.1200	<0.5600	
1,4-Naphthoquinone	130-15-4	MG/KG		<12.0000 UJ	<9.9000 UJ	<0.9900	<4.7000 R	
1-Methylnaphthalene	90-12-0	MG/KG		2.1000 J	<0.4000	0.0450 J	<0.1900	
1-Naphthylamine	134-32-7	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2,4-Dichlorophenol	120-83-2	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2,4-Dimethylphenol	105-67-9	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2,4-Dinitrophenol	51-28-5	MG/KG		<9.6000	<7.9000	<0.8000	<3.8000	
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
2,6-Dichlorophenol	87-65-0	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Acetylaminofluorene	53-96-3	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
2-Chloronaphthalene	91-58-7	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Chlorophenol	95-57-8	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Methylnaphthalene	91-57-6	MG/KG		3.4000 J	<0.4000	0.0580 J	<0.1900	

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Naphthylamine	91-59-8	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
2-Nitroaniline	88-74-4	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Nitrophenol	88-75-5	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
2-Picoline	109-06-8	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<2.4000 UJ	<2.0000 UJ	<0.2000	<0.9400	
3-Methylcholanthrene	56-49-5	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
3-Nitroaniline	99-09-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
4-Aminobiphenyl	92-67-1	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
4-Chloroaniline	106-47-8	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
4-Nitroaniline	100-01-6	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
4-Nitrophenol	100-02-7	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<4.8000	<4.0000	<0.4000	<1.9000	
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Acenaphthene	83-32-9	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Acenaphthylene	208-96-8	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Acetophenone	98-86-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Anthracene	120-12-7	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		<0.4800	<0.4000	<0.0400 R	<0.1900	
Benzidine	92-87-5	MG/KG		<9.6000	<7.9000	<0.8000	<3.8000	
Benzo(A)Anthracene	56-55-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Benzo[A]Pyrene	50-32-8	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Benzoic Acid	65-85-0	MG/KG		<2.4000	<2.0000	0.3400 J	<0.9400	
Benzyl Alcohol	100-51-6	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG				<0.0400		

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.4800	<0.4000		<0.1900	
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<1.4000	4.5000	0.3900 J	<0.5600	
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Carbazole	86-74-8	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Chlorobenzilate	510-15-6	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Chrysene	218-01-9	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Diallate	2303-16-4	MG/KG		<0.4800	0.6000 J	<0.0400	<0.1900	
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Dibenzofuran	132-64-9	MG/KG		2.7000 J	<0.4000	0.1000 J	<0.1900	
Diethyl Phthalate	84-66-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Dimethyl Phthalate	131-11-3	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Fluoranthene	206-44-0	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Fluorene	86-73-7	MG/KG		0.4800 J	<0.4000	<0.0400	<0.1900	
Hexachlorobenzene	118-74-1	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Hexachlorobutadiene	87-68-3	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Hexachlorocyclopentadiene	77-47-4	MG/KG		<2.4000	<2.0000	<0.2000 R	<0.9400 R	
Hexachloroethane	67-72-1	MG/KG		<0.4800 UJ	<0.4000 UJ	<0.0400	<0.1900	
Hexachloropropylene	1888-71-7	MG/KG		<1.4000	<1.2000	<0.1200	<0.5600	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Isodrin	465-73-6	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Isophorone	78-59-1	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Isosafrole	120-58-1	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Methapyrilene	91-80-5	MG/KG		<1.4000	<1.2000	<0.0800	<0.5600	
Methyl Methanesulfonate	66-27-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Naphthalene	91-20-3	MG/KG		2.8000 J	<0.4000	0.0480 J	<0.1900	
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Nitrobenzene	98-95-3	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.9600 UJ	<0.7900 UJ	<0.0800	<0.3800	
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
N-Nitrosodiphenylamine	86-30-6	MG/KG		0.8600 J	<0.4000	<0.0400	<0.1900	
N-Nitrosomorpholine	59-89-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
N-Nitrosopiperidine	100-75-4	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	

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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
para-Phenylenediamine	106-50-3	MG/KG		<36.0000 UJ	<30.0000 UJ	<3.0000 R	<14.0000 UJ	
Pentachlorobenzene	608-93-5	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Pentachloronitrobenzene	82-68-8	MG/KG		<1.9000	<1.6000	<0.0800	<0.3800	
Pentachlorophenol	87-86-5	MG/KG		<2.4000	<2.0000	<0.2000	<0.9400	
Phenacetin	62-44-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Phenanthrene	85-01-8	MG/KG		1.1000 J	<0.4000	<0.0400	<0.1900	
Phenol	108-95-2	MG/KG		<0.4800	<0.4000	0.1100 J	<0.1900	
Pyrene	129-00-0	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Pyridine	110-86-1	MG/KG		<0.9600 UJ	<0.7900 UJ	<0.0800	<0.3800	
Safrole	94-59-7	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Thionazin	297-97-2	MG/KG		<0.9600	<0.7900	<0.0800	<0.3800	
Dimethoate	60-51-5	MG/KG		<0.4800	<0.4000	<0.0400	<0.1900	
Pronamide	23950-58-5	MG/KG		<1.9000	<1.6000	<0.0400	<0.1900	
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		940.0000	7.9000		<0.1900	
Diphenyl Ether	101-84-8	MG/KG		2900.0000	170.0000		<0.1900	
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG		<2.6000	<2.2000		<13.0000	<6.0000
Diethylene Glycol	111-46-6	MG/KG		<2.8000	<2.4000		<14.0000	<6.3000
Propylene Glycol	57-55-6	MG/KG		<3.4000	<2.9000		<17.0000	<7.6000
Triethylene Glycol	112-27-6	MG/KG		<3.6000	<3.1000		<18.0000	<8.1000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		1.66 J	<0.873 UJ	<0.772	<4.18	
Arsenic	7440-38-2	MG/KG		2.62	1.52	3.15	4.09 J	
Barium	7440-39-3	MG/KG		79.6	97.2	208	12.5 J	
Beryllium	7440-41-7	MG/KG		1.34	1.70	2.08	0.333 J	
Cadmium	7440-43-9	MG/KG		0.833	0.401 J	0.0714 J	1.28 J	
Chromium	7440-47-3	MG/KG		10.4	2.17	3.43	7.02 J	
Cobalt	7440-48-4	MG/KG		3.89	4.97	3.04	1.47 J	
Copper	7440-50-8	MG/KG		12.7	3.06	1.87	45.4 J	
Lead	7439-92-1	MG/KG		90.3	8.49	9.30	11.8 J	
Mercury	7439-97-6	MG/KG		0.0263 J	<0.0039	<0.0033	0.378 J	
Nickel	7440-02-0	MG/KG		6.71	2.53	1.82	12.3 J	
Selenium	7782-49-2	MG/KG		<1.20	<1.01	<0.550	<4.86	
Silver	7440-22-4	MG/KG		2.09	<0.153	<0.175	33.0 J	
Thallium	7440-28-0	MG/KG		<1.28	1.29 J	<1.09	<5.20	
Tin	7440-31-5	MG/KG		4.91 B	3.16 B	3.21 B	12.4 J	
Vanadium	7440-62-2	MG/KG		23.2	15.7	14.6	3.42 J	
Zinc	7440-66-6	MG/KG		76.7	40.3	30.7	206000	

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Analyte	CAS No.	Units	Location ID	SWMU17-SS-2	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1	SWMU18-SS-1
			Field Sample ID	13534660	13534662	12211775	13414085	13414086
			Sample Name	BRE-V-SWMU17-SS-2(3.5-6)	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)	BRE-V-SWMU18-SS-1(6-10)
			Date Sampled	08/11/2004	08/11/2004	09/11/2003	07/21/2004	07/21/2004
			Start Depth - End Depth	3.5 - 6	8 - 12	13 - 17	7 - 11	6 - 10
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		30.3	16.1	16.2	82.3	65.5
Percent Moisture	EVS0198	% BY WT.						

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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.1900		<0.0010		<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.1900		<0.0010		<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.1900		<0.0010		<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.1900		<0.0010		<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.1900		<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.1900		<0.0010		<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.1900		<0.0010		<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.3700		<0.0020		<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.1900		<0.0010		<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0880		<0.2000		<0.2000
1,2-Dichloroethane	107-06-2	MG/KG		<0.1900		<0.0010		<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.1900		<0.0010		<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0880		<0.2000		<0.2000
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0880		<0.2000		<0.2000
2-Hexanone	591-78-6	MG/KG		<0.5600		<0.0030		<0.0040
Acetone	67-64-1	MG/KG		<1.3000		0.0680		0.1100
Acetonitrile	75-05-8	MG/KG		<4.7000		<0.0290		<0.0300
Acrolein	107-02-8	MG/KG		<3.7000		<0.0230		<0.0240
Acrylonitrile	107-13-1	MG/KG		<0.7500		<0.0050		<0.0050
Allyl Chloride	107-05-1	MG/KG		<0.1900		<0.0010		<0.0010
Benzene	71-43-2	MG/KG		<0.0930		0.0040 J		0.0010 J
Bromodichloromethane	75-27-4	MG/KG		<0.1900		<0.0010		<0.0010
Bromoform	75-25-2	MG/KG		<0.1900		<0.0010		<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.1900		<0.0010		0.0010 J
Carbon Tetrachloride	56-23-5	MG/KG		<0.1900		<0.0010		<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.1900		0.0040 J		<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.1900		<0.0010		<0.0010
Chloroform	67-66-3	MG/KG		<0.1900		<0.0010		<0.0010
Chloroprene	126-99-8	MG/KG		<0.1900		<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.1900		0.0210		0.0100
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.1900		<0.0010		<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.3700		<0.0020		<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.3700		<0.0020		<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.1900		<0.0010		<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.1900		<0.0010		<0.0010
Iodomethane	74-88-4	MG/KG		<0.5600		<0.0030		<0.0040
Isobutyl Alcohol	78-83-1	MG/KG		<19.0000		<0.1100		<0.1200
Methacrylonitrile	126-98-7	MG/KG		<0.9300		<0.0060		<0.0060
Methyl Bromide	74-83-9	MG/KG		<0.3700		<0.0020		<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.3700		<0.0020		<0.0020

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.7500		0.0080 J		0.0100 J
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.5600		<0.0030		<0.0040
Methyl Methacrylate	80-62-6	MG/KG		<0.1900		<0.0010		<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.1900		<0.0010		<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.3700		<0.0020		<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.1900		<0.0010		<0.0010
Propionitrile	107-12-0	MG/KG		<5.6000		<0.0340		<0.0360
Styrene	100-42-5	MG/KG		<0.1900		<0.0010		<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.1900		0.0030 J		<0.0010
Toluene	108-88-3	MG/KG		<0.1900		0.0100		0.0020 J
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.1900		<0.0010		<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.1900		<0.0010		<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<1.9000		<0.0110		<0.0120
Trichloroethene	79-01-6	MG/KG		<0.1900		<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.3700		<0.0020		<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.3700		<0.0020		<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.1900		0.0010 J		<0.0010
Xylenes	1330-20-7	MG/KG		<0.1900		0.0020 J		<0.0010
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.1800		<0.4000		<0.4000
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0880		<0.2000		<0.2000
1,2-Diphenylhydrazine	122-66-7	MG/KG		<0.0880		<0.2000		<0.2000
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.4400		<1.0000		<0.9900
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.1800		<0.4000		<0.4000
1,4-Dioxane	123-91-1	MG/KG		<0.2600		<0.6000		<0.6000
1,4-Naphthoquinone	130-15-4	MG/KG		<2.2000 UJ		<5.0000 UJ		<5.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG		<0.0880		<0.2000		<0.2000
1-Naphthylamine	134-32-7	MG/KG		<0.4400		<1.0000		<0.9900
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.1800		<0.4000		<0.4000
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0880		<0.2000		<0.2000
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0880		<0.2000		<0.2000
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0880		<0.2000		<0.2000
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0880		<0.2000		<0.2000
2,4-Dinitrophenol	51-28-5	MG/KG		<1.8000		<4.0000		<4.0000 R
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.1800		<0.4000		<0.4000
2,6-Dichlorophenol	87-65-0	MG/KG		<0.1800		<0.4000		<0.4000
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0880		<0.2000		<0.2000
2-Acetylaminofluorene	53-96-3	MG/KG		<0.1800		<0.4000		<0.4000
2-Chloronaphthalene	91-58-7	MG/KG		<0.0880		<0.2000		<0.2000
2-Chlorophenol	95-57-8	MG/KG		<0.0880		<0.2000		<0.2000
2-Methylnaphthalene	91-57-6	MG/KG		<0.0880		<0.2000		<0.2000

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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0880		<0.2000		<0.2000
2-Naphthylamine	91-59-8	MG/KG		<0.4400		<1.0000		<0.9900
2-Nitroaniline	88-74-4	MG/KG		<0.0880		<0.2000		<0.2000
2-Nitrophenol	88-75-5	MG/KG		<0.0880		<0.2000		<0.2000
2-Picoline	109-06-8	MG/KG		<0.1800		<0.4000		<0.4000
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1800		<0.4000		<0.4000
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.4400		<1.0000 UJ		<0.9900 UJ
3-Methylcholanthrene	56-49-5	MG/KG		<0.1800		<0.4000		<0.4000
3-Nitroaniline	99-09-2	MG/KG		<0.1800		<0.4000		<0.4000
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG		<0.0880 UJ		<0.2000		<0.2000
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.4400		<1.0000		<0.9900
4-Aminobiphenyl	92-67-1	MG/KG		<0.4400		<1.0000		<0.9900
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0880		<0.2000		<0.2000
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.1800		<0.4000		<0.4000
4-Chloroaniline	106-47-8	MG/KG		<0.0880		<0.2000		<0.2000
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0880		<0.2000		<0.2000
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.1800		<0.4000		<0.4000
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.1800		<0.4000		<0.4000
4-Nitroaniline	100-01-6	MG/KG		<0.1800		<0.4000		<0.4000
4-Nitrophenol	100-02-7	MG/KG		<0.4400		<1.0000		<0.9900
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.8800		<2.0000		<2.0000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.4400		<1.0000		<0.9900
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0880		<0.2000		<0.2000
Acenaphthene	83-32-9	MG/KG		<0.0880		<0.2000		<0.2000
Acenaphthylene	208-96-8	MG/KG		<0.0880		<0.2000		<0.2000
Acetophenone	98-86-2	MG/KG		<0.1800		<0.4000		<0.4000
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG		<0.0880		<0.2000		<0.2000
Anthracene	120-12-7	MG/KG		<0.0880		<0.2000		<0.2000
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG		0.0920 J		<0.2000		<0.2000
Benzidine	92-87-5	MG/KG		<1.8000		<4.0000		<4.0000
Benzo(A)Anthracene	56-55-3	MG/KG		0.1900 J		<0.2000		<0.2000
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.2500 J		<0.2000		<0.2000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		0.1700 J		<0.2000		<0.2000
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0950 J		<0.2000		<0.2000
Benzo[A]Pyrene	50-32-8	MG/KG		0.1700 J		<0.2000		<0.2000
Benzoic Acid	65-85-0	MG/KG		0.8900 J		<1.0000		<0.9900
Benzyl Alcohol	100-51-6	MG/KG		<0.4400		<1.0000		<0.9900 UJ
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0880		<0.2000		<0.2000
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0880		<0.2000		<0.2000
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0880		<0.2000		<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		5.5000		<0.6000		<0.6000
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.1800		<0.4000		<0.4000
Carbazole	86-74-8	MG/KG		<0.0880		<0.2000		<0.2000
Chlorobenzilate	510-15-6	MG/KG		<0.0880		<0.2000		<0.2000
Chrysene	218-01-9	MG/KG		0.2700 J		<0.2000		<0.2000
Diallate	2303-16-4	MG/KG		<0.0880		<0.2000		<0.2000
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0880		<0.2000		<0.2000
Dibenzofuran	132-64-9	MG/KG		0.7900 J		<0.2000		<0.2000
Diethyl Phthalate	84-66-2	MG/KG		<0.1800		<0.4000		<0.4000
Dimethyl Phthalate	131-11-3	MG/KG		<0.1800		<0.4000		<0.4000
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.1800		<0.4000		<0.4000
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.1800		<0.4000		<0.4000
Fluoranthene	206-44-0	MG/KG		0.6400 J		<0.2000		<0.2000
Fluorene	86-73-7	MG/KG		0.1500 J		<0.2000		<0.2000
Hexachlorobenzene	118-74-1	MG/KG		<0.0880		<0.2000		<0.2000
Hexachlorobutadiene	87-68-3	MG/KG		<0.1800		<0.4000		<0.4000
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.4400		<1.0000		<0.9900
Hexachloroethane	67-72-1	MG/KG		<0.0880		<0.2000		<0.2000
Hexachloropropylene	1888-71-7	MG/KG		<0.2600		<0.6000		<0.6000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		0.1400 J		<0.2000		<0.2000
Isodrin	465-73-6	MG/KG		<0.0880		<0.2000		<0.2000
Isophorone	78-59-1	MG/KG		<0.0880		<0.2000		<0.2000
Isosafrole	120-58-1	MG/KG		<0.1800		<0.4000		<0.4000
Methapyrilene	91-80-5	MG/KG		<0.2600		<0.6000		<0.6000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0880		<0.2000		<0.2000
Naphthalene	91-20-3	MG/KG		<0.0880		<0.2000		<0.2000
N-Dioctyl Phthalate	117-84-0	MG/KG		0.2600 J		<0.4000		<0.4000
Nitrobenzene	98-95-3	MG/KG		<0.0880		<0.2000		<0.2000
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0880		<0.2000		<0.2000
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0880		<0.2000		<0.2000
N-Nitrosomorpholine	59-89-2	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitrosopiperidine	100-75-4	MG/KG		<0.1800		<0.4000		<0.4000
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.1800		<0.4000		<0.4000
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.1800		<0.4000		<0.4000

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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.1800		<0.4000		<0.4000
para-Phenylenediamine	106-50-3	MG/KG		<6.6000 R		<15.0000 UJ		<15.0000 R
Pentachlorobenzene	608-93-5	MG/KG		<0.1800		<0.4000		<0.4000
Pentachloronitrobenzene	82-68-8	MG/KG		<0.3500		<0.8000		<0.8000
Pentachlorophenol	87-86-5	MG/KG		<0.4400		<1.0000		<0.9900
Phenacetin	62-44-2	MG/KG		<0.1800		<0.4000		<0.4000
Phenanthrene	85-01-8	MG/KG		0.3900 J		<0.2000		<0.2000
Phenol	108-95-2	MG/KG		<0.0880		<0.2000		<0.2000
Pyrene	129-00-0	MG/KG		0.9500		<0.2000		<0.2000
Pyridine	110-86-1	MG/KG		<0.1800		<0.4000		<0.4000
Safrole	94-59-7	MG/KG		<0.1800		<0.4000		<0.4000
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.1800		<0.4000		<0.4000
Thionazin	297-97-2	MG/KG		<0.1800		<0.4000		<0.4000
Dimethoate	60-51-5	MG/KG		<0.0880		<0.2000		<0.2000
Pronamide	23950-58-5	MG/KG		<0.3500		<0.8000		<0.8000
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		55.0000		10.0000		2.0000
Diphenyl Ether	101-84-8	MG/KG		160.0000		36.0000		7.8000
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG			<2.5000		<2.6000	
Diethylene Glycol	111-46-6	MG/KG			<2.6000		<2.7000	
Propylene Glycol	57-55-6	MG/KG			<3.2000		<3.3000	
Triethylene Glycol	112-27-6	MG/KG			<3.4000		<3.5000	
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		129 J		2.46		1.04 J
Arsenic	7440-38-2	MG/KG		9.61 J		1.75 B		1.61 B
Barium	7440-39-3	MG/KG		36.5 J		34.8		33.9
Beryllium	7440-41-7	MG/KG		1.41		1.14		1.20
Cadmium	7440-43-9	MG/KG		12.6 J		<0.0647		<0.0655
Chromium	7440-47-3	MG/KG		1190 J		6.36		6.36
Cobalt	7440-48-4	MG/KG		3.54 J		2.05		2.46
Copper	7440-50-8	MG/KG		199 J		3.31		2.44
Lead	7439-92-1	MG/KG		45.4 J		14.6		18.1
Mercury	7439-97-6	MG/KG		0.889 J		0.0249 J		0.0258 J
Nickel	7440-02-0	MG/KG		25.0 J		4.58		5.05
Selenium	7782-49-2	MG/KG		<2.28		<0.994		<1.01
Silver	7440-22-4	MG/KG		642 J		0.411 J		0.281 J
Thallium	7440-28-0	MG/KG		16.7 J		<1.06		<1.08
Tin	7440-31-5	MG/KG		97.7		4.35 B		3.98 B
Vanadium	7440-62-2	MG/KG		57.9 J		15.4		17.2
Zinc	7440-66-6	MG/KG		3000		30.8		23.3

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Analyte	CAS No.	Units	Location ID	SWMU18-SS-2	SWMU19-SS-1	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
			Field Sample ID	13472549	13416820	13486167	13416822	13486169
			Sample Name	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
			Date Sampled	07/21/2004	07/29/2004	07/29/2004	07/29/2004	07/29/2004
			Start Depth - End Depth	6 - 10	3 - 7	3 - 7	3 - 7	3 - 7
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		62.2	19.7	16.8	20.1	16.2
Percent Moisture	EVS0198	% BY WT.						

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
1,2-Dibromoethane (EDB)	106-93-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
1,2-Dichloroethane	107-06-2	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
1,4-Dichlorobenzene	106-46-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Hexanone	591-78-6	MG/KG			<0.0030	<0.0030	<0.0030	<0.0040
Acetone	67-64-1	MG/KG			0.0240	0.0360	0.0470	0.0170 J
Acetonitrile	75-05-8	MG/KG			<0.0280	<0.0280	<0.0250	<0.0320
Acrolein	107-02-8	MG/KG			<0.0230	<0.0220	<0.0200	<0.0260
Acrylonitrile	107-13-1	MG/KG			<0.0050	<0.0040	<0.0040	<0.0050
Allyl Chloride	107-05-1	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Benzene	71-43-2	MG/KG			<0.00060	<0.00060	<0.00050	<0.00060
Bromodichloromethane	75-27-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG			<0.0010	0.0010 J	0.0010 J	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Ethyl Chloride	75-00-3	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Ethyl Methacrylate	97-63-2	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG			<0.0030	<0.0030	<0.0030	<0.0040
Isobutyl Alcohol	78-83-1	MG/KG			<0.1100	<0.1100	<0.0980	<0.1300
Methacrylonitrile	126-98-7	MG/KG			<0.0060	<0.0060	<0.0050	<0.0060
Methyl Bromide	74-83-9	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Methyl Chloride	74-87-3	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG			<0.0050	<0.0040	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG			<0.0030	<0.0030	<0.0030	<0.0040
Methyl Methacrylate	80-62-6	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Pentachloroethane	76-01-7	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG			<0.0340	<0.0330	<0.0290	<0.0390
Styrene	100-42-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG			<0.0110	<0.0110	<0.0100	<0.0130
Trichloroethene	79-01-6	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Acetate	108-05-4	MG/KG			<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Chloride	75-01-4	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG			<0.0010	<0.0010	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
1,2,4-Trichlorobenzene	120-82-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
1,3,5-Trinitrobenzene	99-35-4	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
1,4-Dioxane	123-91-1	MG/KG			<0.6100	<0.1200	<0.1200	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG			<5.1000 UJ	<1.0000 R	<1.0000 UJ	<1.0000 UJ
1-Methylnaphthalene	90-12-0	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
1-Naphthylamine	134-32-7	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
2,4,5-Trichlorophenol	95-95-4	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2,4,6-Trichlorophenol	88-06-2	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2,4-Dichlorophenol	120-83-2	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2,4-Dinitrophenol	51-28-5	MG/KG			<4.0000	<0.8200	<0.8000	<0.8000
2,4-Dinitrotoluene	121-14-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
2,6-Dichlorophenol	87-65-0	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
2,6-Dinitrotoluene	606-20-2	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Acetylaminofluorene	53-96-3	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
2-Chloronaphthalene	91-58-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Chlorophenol	95-57-8	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Methylnaphthalene	91-57-6	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400

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Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Naphthylamine	91-59-8	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
2-Nitroaniline	88-74-4	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Nitrophenol	88-75-5	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
2-Picoline	109-06-8	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
3,3'-Dimethylbenzidine	119-93-7	MG/KG			<1.0000 UJ	<0.2000	<0.2000	<0.2000
3-Methylcholanthrene	56-49-5	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
3-Nitroaniline	99-09-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
4-Chloro-3-Methylphenol	59-50-7	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
4-Chloroaniline	106-47-8	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
4-Dimethylaminoazobenzene	60-11-7	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
4-Nitroaniline	100-01-6	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
4-Nitrophenol	100-02-7	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG			<2.0000	<0.4100	<0.4000	<0.4000
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Acenaphthene	83-32-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Acenaphthylene	208-96-8	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Acetophenone	98-86-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Anthracene	120-12-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzidine	92-87-5	MG/KG			<4.0000	<0.8200	<0.8000	<0.8000
Benzo(A)Anthracene	56-55-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Benzoic Acid	65-85-0	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000 R
Benzyl Alcohol	100-51-6	MG/KG			<1.0000	<0.2000	<0.2000	<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG			<0.6100	<0.1200	0.1300 J	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Carbazole	86-74-8	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Chlorobenzilate	510-15-6	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Chrysene	218-01-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Diallate	2303-16-4	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Dibenzofuran	132-64-9	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Diethyl Phthalate	84-66-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Dimethyl Phthalate	131-11-3	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Di-N-Butyl Phthalate	84-74-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Ethyl Methanesulfonate	62-50-0	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Fluoranthene	206-44-0	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Fluorene	86-73-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Hexachlorobenzene	118-74-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Hexachlorobutadiene	87-68-3	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Hexachlorocyclopentadiene	77-47-4	MG/KG			<1.0000	<0.2000 R	<0.2000	<0.2000 R
Hexachloroethane	67-72-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Hexachloropropylene	1888-71-7	MG/KG			<0.6100	<0.1200	<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Isodrin	465-73-6	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Isophorone	78-59-1	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Isosafrole	120-58-1	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Methapyrilene	91-80-5	MG/KG			<0.6100	<0.1200 R	<0.1200	<0.1200
Methyl Methanesulfonate	66-27-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
Naphthalene	91-20-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
Nitrobenzene	98-95-3	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitrosodiethylamine	55-18-5	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitrosodimethylamine	62-75-9	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG			<0.2000	<0.0410	<0.0400	<0.0400
N-Nitrosomorpholine	59-89-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitrosopiperidine	100-75-4	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
N-Nitrosopyrrolidine	930-55-2	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG			<0.4000	<0.0820	<0.0800	<0.0800

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Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
para-Phenylenediamine	106-50-3	MG/KG		<15.0000 UJ	<3.1000 UJ	<3.0000 UJ	<3.0000 UJ	<3.0000 UJ
Pentachlorobenzene	608-93-5	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Pentachloronitrobenzene	82-68-8	MG/KG		<0.8100	<0.0820	<0.1600	<0.1600	<0.1600
Pentachlorophenol	87-86-5	MG/KG		<1.0000	<0.2000	<0.2000	<0.2000	<0.2000
Phenacetin	62-44-2	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Phenanthrene	85-01-8	MG/KG		<0.2000	<0.0410	<0.0400	<0.0400	<0.0400
Phenol	108-95-2	MG/KG		<0.2000	<0.0410	<0.0400	<0.0400	<0.0400
Pyrene	129-00-0	MG/KG		<0.2000	<0.0410	<0.0400	<0.0400	<0.0400
Pyridine	110-86-1	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Safrole	94-59-7	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Thionazin	297-97-2	MG/KG		<0.4000	<0.0820	<0.0800	<0.0800	<0.0800
Dimethoate	60-51-5	MG/KG		<0.2000	<0.0410	<0.0400	<0.0400	<0.0400
Pronamide	23950-58-5	MG/KG		<0.8100	<0.0410	<0.1600	<0.1600	<0.1600
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG		<0.2000	<0.0410			
Diphenyl Ether	101-84-8	MG/KG		0.3600 J	<0.0410			
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG		<2.7000	3.8000 B			<2.6000
Diethylene Glycol	111-46-6	MG/KG		<2.8000	<2.6000			<2.7000
Propylene Glycol	57-55-6	MG/KG		<3.4000	<3.1000			<3.3000 UJ
Triethylene Glycol	112-27-6	MG/KG		<3.6000	<3.4000			<3.5000
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		<0.880	<0.871	<0.870 UJ	<0.881 UJ	<0.881 UJ
Arsenic	7440-38-2	MG/KG		1.09 B	2.19	2.15	2.01	2.01
Barium	7440-39-3	MG/KG		33.1	54.6	50.1	50.6 J	50.6 J
Beryllium	7440-41-7	MG/KG		1.17	1.07	1.07	1.27	1.27
Cadmium	7440-43-9	MG/KG		<0.0666	<0.0659	<0.0658	<0.0666	<0.0666
Chromium	7440-47-3	MG/KG		5.26	4.41	6.79	6.39 J	6.39 J
Cobalt	7440-48-4	MG/KG		2.13	2.86	2.50	2.97	2.97
Copper	7440-50-8	MG/KG		2.60	4.19	6.66	4.37	4.37
Lead	7439-92-1	MG/KG		14.2	13.9	21.9	20.1 J	20.1 J
Mercury	7439-97-6	MG/KG		0.0277 J	0.0347 J	0.0502 J	0.0235 J	0.0235 J
Nickel	7440-02-0	MG/KG		4.41	3.64	5.13	5.14	5.14
Selenium	7782-49-2	MG/KG		<1.02	<1.01	<1.01	<1.02	<1.02
Silver	7440-22-4	MG/KG		0.238 J	<0.153	<0.153	<0.155	<0.155
Thallium	7440-28-0	MG/KG		<1.09	<1.08	<1.08	<1.09	<1.09
Tin	7440-31-5	MG/KG		3.70 B	5.45 B	5.31 B	5.22 B	5.22 B
Vanadium	7440-62-2	MG/KG		16.5	13.0	15.0	15.3	15.3
Zinc	7440-66-6	MG/KG		25.2	28.0	44.8	28.7	28.7

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU19-SS-3	SWMU19-SS-3	SWMU2B-SS-1	SWMU2C-SS-1	SWMU3A-SS-1
			Field Sample ID	13416824	13486171	13362648	13429044	13417000
			Sample Name	BRE-V-SWMU19-SS-3 (1-5)	BRE-V-SWMU19-SS-3(1-5)	BRE-S-SWMU2B-SS-1(0-4)	BRE-S-SWMU2C-SS-1(1-5)	BRE-S-SWMU3A-SS-1(2-6)
			Date Sampled	07/29/2004	07/29/2004	07/09/2004	07/23/2004	07/23/2004
			Start Depth - End Depth	1 - 5	1 - 5	0 - 4	1 - 5	2 - 6
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		23.0	17.6	18.3	16.6	16.8
Percent Moisture	EVS0198	% BY WT.						

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG						
1,1,1-Trichloroethane	71-55-6	MG/KG						
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG						
1,1,2-Trichloroethane	79-00-5	MG/KG						
1,1-Dichloroethane	75-34-3	MG/KG						
1,1-Dichloroethene	75-35-4	MG/KG						
1,2,3-Trichloropropane	96-18-4	MG/KG						
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG						
1,2-Dibromoethane (EDB)	106-93-4	MG/KG						
1,2-Dichlorobenzene	95-50-1	MG/KG						
1,2-Dichloroethane	107-06-2	MG/KG						
1,2-Dichloropropane	78-87-5	MG/KG						
1,3-Dichlorobenzene	541-73-1	MG/KG						
1,4-Dichlorobenzene	106-46-7	MG/KG						
2-Hexanone	591-78-6	MG/KG						
Acetone	67-64-1	MG/KG						
Acetonitrile	75-05-8	MG/KG						
Acrolein	107-02-8	MG/KG						
Acrylonitrile	107-13-1	MG/KG						
Allyl Chloride	107-05-1	MG/KG						
Benzene	71-43-2	MG/KG						
Bromodichloromethane	75-27-4	MG/KG						
Bromoform	75-25-2	MG/KG						
Carbon Disulfide	75-15-0	MG/KG						
Carbon Tetrachloride	56-23-5	MG/KG						
Chlorobenzene	108-90-7	MG/KG						
Chlorodibromomethane	124-48-1	MG/KG						
Chloroform	67-66-3	MG/KG						
Chloroprene	126-99-8	MG/KG						
cis-1,2 Dichloroethene	156-59-2	MG/KG						
cis-1,3-Dichloropropene	10061-01-5	MG/KG						
Dichlorodifluoromethane	75-71-8	MG/KG						
Ethyl Chloride	75-00-3	MG/KG						
Ethyl Methacrylate	97-63-2	MG/KG						
Ethylbenzene	100-41-4	MG/KG						
Iodomethane	74-88-4	MG/KG						
Isobutyl Alcohol	78-83-1	MG/KG						
Methacrylonitrile	126-98-7	MG/KG						
Methyl Bromide	74-83-9	MG/KG						
Methyl Chloride	74-87-3	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG						
Methyl Isobutyl Ketone	108-10-1	MG/KG						
Methyl Methacrylate	80-62-6	MG/KG						
Methylene Bromide	74-95-3	MG/KG						
Methylene Chloride	75-09-2	MG/KG						
Pentachloroethane	76-01-7	MG/KG						
Propionitrile	107-12-0	MG/KG						
Styrene	100-42-5	MG/KG						
Tetrachloroethene	127-18-4	MG/KG						
Toluene	108-88-3	MG/KG						
trans-1,2-Dichloroethene	156-60-5	MG/KG						
trans-1,3-Dichloropropene	10061-02-6	MG/KG						
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG						
Trichloroethene	79-01-6	MG/KG						
Trichlorofluoromethane	75-69-4	MG/KG						
Vinyl Acetate	108-05-4	MG/KG						
Vinyl Chloride	75-01-4	MG/KG						
Xylenes	1330-20-7	MG/KG						
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG						
1,2,4-Trichlorobenzene	120-82-1	MG/KG						
1,2-Diphenylhydrazine	122-66-7	MG/KG						
1,3,5-Trinitrobenzene	99-35-4	MG/KG						
1,3-Dinitrobenzene	99-65-0	MG/KG						
1,4-Dioxane	123-91-1	MG/KG						
1,4-Naphthoquinone	130-15-4	MG/KG						
1-Methylnaphthalene	90-12-0	MG/KG						
1-Naphthylamine	134-32-7	MG/KG						
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG						
2,4,5-Trichlorophenol	95-95-4	MG/KG						
2,4,6-Trichlorophenol	88-06-2	MG/KG						
2,4-Dichlorophenol	120-83-2	MG/KG						
2,4-Dimethylphenol	105-67-9	MG/KG						
2,4-Dinitrophenol	51-28-5	MG/KG						
2,4-Dinitrotoluene	121-14-2	MG/KG						
2,6-Dichlorophenol	87-65-0	MG/KG						
2,6-Dinitrotoluene	606-20-2	MG/KG						
2-Acetylaminofluorene	53-96-3	MG/KG						
2-Chloronaphthalene	91-58-7	MG/KG						
2-Chlorophenol	95-57-8	MG/KG						
2-Methylnaphthalene	91-57-6	MG/KG						

Summary of Analytical Results - Historic and RFI Soil
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG						
2-Naphthylamine	91-59-8	MG/KG						
2-Nitroaniline	88-74-4	MG/KG						
2-Nitrophenol	88-75-5	MG/KG						
2-Picoline	109-06-8	MG/KG						
3- And 4- Methylphenol	EVS0197	MG/KG						
3,3'-Dichlorobenzidine	91-94-1	MG/KG						
3,3'-Dimethylbenzidine	119-93-7	MG/KG						
3-Methylcholanthrene	56-49-5	MG/KG						
3-Nitroaniline	99-09-2	MG/KG						
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG						
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG						
4-Aminobiphenyl	92-67-1	MG/KG						
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG						
4-Chloro-3-Methylphenol	59-50-7	MG/KG						
4-Chloroaniline	106-47-8	MG/KG						
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG						
4-Dimethylaminoazobenzene	60-11-7	MG/KG						
4-Methylphenol (P-Cresol)	106-44-5	MG/KG						
4-Nitroaniline	100-01-6	MG/KG						
4-Nitrophenol	100-02-7	MG/KG						
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG						
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG						
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG						
Acenaphthene	83-32-9	MG/KG						
Acenaphthylene	208-96-8	MG/KG						
Acetophenone	98-86-2	MG/KG						
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG						
Aniline	62-53-3	MG/KG						
Anthracene	120-12-7	MG/KG						
Aramite	140-57-8	MG/KG						
Benzaldehyde	100-52-7	MG/KG						
Benzidine	92-87-5	MG/KG						
Benzo(A)Anthracene	56-55-3	MG/KG						
Benzo(B)Fluoranthene	205-99-2	MG/KG						
Benzo(G,H,I)Perylene	191-24-2	MG/KG						
Benzo(K)Fluoranthene	207-08-9	MG/KG						
Benzo[A]Pyrene	50-32-8	MG/KG						
Benzoic Acid	65-85-0	MG/KG						
Benzyl Alcohol	100-51-6	MG/KG						
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG						
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG						
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG						
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG						
Butyl Benzyl Phthalate	85-68-7	MG/KG						
Carbazole	86-74-8	MG/KG						
Chlorobenzilate	510-15-6	MG/KG						
Chrysene	218-01-9	MG/KG						
Diallate	2303-16-4	MG/KG						
Dibenz(A,H)Anthracene	53-70-3	MG/KG						
Dibenzofuran	132-64-9	MG/KG						
Diethyl Phthalate	84-66-2	MG/KG						
Dimethyl Phthalate	131-11-3	MG/KG						
Di-N-Butyl Phthalate	84-74-2	MG/KG						
Ethyl Methanesulfonate	62-50-0	MG/KG						
Fluoranthene	206-44-0	MG/KG						
Fluorene	86-73-7	MG/KG						
Hexachlorobenzene	118-74-1	MG/KG						
Hexachlorobutadiene	87-68-3	MG/KG						
Hexachlorocyclopentadiene	77-47-4	MG/KG						
Hexachloroethane	67-72-1	MG/KG						
Hexachloropropylene	1888-71-7	MG/KG						
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG						
Isodrin	465-73-6	MG/KG						
Isophorone	78-59-1	MG/KG						
Isosafrole	120-58-1	MG/KG						
Methapyrilene	91-80-5	MG/KG						
Methyl Methanesulfonate	66-27-3	MG/KG						
Naphthalene	91-20-3	MG/KG						
N-Dioctyl Phthalate	117-84-0	MG/KG						
Nitrobenzene	98-95-3	MG/KG						
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG						
N-Nitrosodiethylamine	55-18-5	MG/KG						
N-Nitrosodimethylamine	62-75-9	MG/KG						
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG						
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG						
N-Nitrosodiphenylamine	86-30-6	MG/KG						
N-Nitrosomorpholine	59-89-2	MG/KG						
N-Nitrosopiperidine	100-75-4	MG/KG						
N-Nitrosopyrrolidine	930-55-2	MG/KG						
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG						

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Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG						
para-Phenylenediamine	106-50-3	MG/KG						
Pentachlorobenzene	608-93-5	MG/KG						
Pentachloronitrobenzene	82-68-8	MG/KG						
Pentachlorophenol	87-86-5	MG/KG						
Phenacetin	62-44-2	MG/KG						
Phenanthrene	85-01-8	MG/KG						
Phenol	108-95-2	MG/KG						
Pyrene	129-00-0	MG/KG						
Pyridine	110-86-1	MG/KG						
Safrole	94-59-7	MG/KG						
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG						
Thionazin	297-97-2	MG/KG						
Dimethoate	60-51-5	MG/KG						
Pronamide	23950-58-5	MG/KG						
<i>Dowtherm</i>								
Biphenyl	92-52-4	MG/KG						
Diphenyl Ether	101-84-8	MG/KG						
<i>Glycols</i>								
Ethylene Glycol	107-21-1	MG/KG						
Diethylene Glycol	111-46-6	MG/KG						
Propylene Glycol	57-55-6	MG/KG						
Triethylene Glycol	112-27-6	MG/KG						
<i>Inorganics</i>								
Antimony	7440-36-0	MG/KG		<0.855 UJ	<0.791 UJ	<0.864 UJ	<0.831 UJ	<0.818 UJ
Arsenic	7440-38-2	MG/KG		2.17	1.52	0.958 J	1.98	1.94
Barium	7440-39-3	MG/KG		36.4	32.2	224	50.5	23.1
Beryllium	7440-41-7	MG/KG		0.928	0.910	1.69	1.09	0.516 J
Cadmium	7440-43-9	MG/KG		<0.0647	<0.0599	<0.0654	<0.0629	<0.0619
Chromium	7440-47-3	MG/KG		8.56	3.72	2.96	7.35	11.4
Cobalt	7440-48-4	MG/KG		6.82	5.32	5.77	4.73	2.03
Copper	7440-50-8	MG/KG		5.00	2.48	2.08	3.19	4.61
Lead	7439-92-1	MG/KG		26.2	7.53	7.97	14.9	15.9
Mercury	7439-97-6	MG/KG		0.0454 J	<0.0036	<0.0039	0.0245 J	0.0408 J
Nickel	7440-02-0	MG/KG		9.43	3.18	2.96	5.40	4.76
Selenium	7782-49-2	MG/KG		<0.994	<0.920	<1.00	<0.966	<0.951
Silver	7440-22-4	MG/KG		0.203 J	1.91	0.715	10.2	4.51
Thallium	7440-28-0	MG/KG		<1.06	<0.984	<1.07	1.09 J	<1.02
Tin	7440-31-5	MG/KG		4.69 B	4.52 B	5.31 B	5.05 B	4.70 B
Vanadium	7440-62-2	MG/KG		24.9	16.8	16.3	24.0	29.2
Zinc	7440-66-6	MG/KG		26.7	33.3	45.1	29.8	16.3

Summary of Analytical Results - Historic and RFI Soil
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Analyte	CAS No.	Units	Location ID	SWMU9-SS-1	SWMU9-SS-2	SWMU9-SS-3	SWMU9-SS-4	SWMU9-SS-5
			Field Sample ID	13454233	13454235	13454237	13454239	13454241
			Sample Name	BRE-S-SWMU9-SS-1(0-2.5)	BRE-S-SWMU9-SS-2(0-2)	BRE-S-SWMU9-SS-3(0-2)	BRE-S-SWMU9-SS-4(0-2)	BRE-S-SWMU9-SS-5(0-2)
			Date Sampled	07/21/2004	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS	FS
Percent Moisture	EVS0198	%		14.3	9.2	16.0	12.7	11.3
Percent Moisture	EVS0198	% BY WT.						

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Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>							
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG					
1,1,1-Trichloroethane	71-55-6	MG/KG					
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG					
1,1,2-Trichloroethane	79-00-5	MG/KG					
1,1-Dichloroethane	75-34-3	MG/KG					
1,1-Dichloroethene	75-35-4	MG/KG					
1,2,3-Trichloropropane	96-18-4	MG/KG					
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG					
1,2-Dibromoethane (EDB)	106-93-4	MG/KG					
1,2-Dichlorobenzene	95-50-1	MG/KG					
1,2-Dichloroethane	107-06-2	MG/KG					
1,2-Dichloropropane	78-87-5	MG/KG					
1,3-Dichlorobenzene	541-73-1	MG/KG					
1,4-Dichlorobenzene	106-46-7	MG/KG					
2-Hexanone	591-78-6	MG/KG					
Acetone	67-64-1	MG/KG					
Acetonitrile	75-05-8	MG/KG					
Acrolein	107-02-8	MG/KG					
Acrylonitrile	107-13-1	MG/KG					
Allyl Chloride	107-05-1	MG/KG					
Benzene	71-43-2	MG/KG					
Bromodichloromethane	75-27-4	MG/KG					
Bromoform	75-25-2	MG/KG					
Carbon Disulfide	75-15-0	MG/KG					
Carbon Tetrachloride	56-23-5	MG/KG					
Chlorobenzene	108-90-7	MG/KG					
Chlorodibromomethane	124-48-1	MG/KG					
Chloroform	67-66-3	MG/KG					
Chloroprene	126-99-8	MG/KG					
cis-1,2 Dichloroethene	156-59-2	MG/KG					
cis-1,3-Dichloropropene	10061-01-5	MG/KG					
Dichlorodifluoromethane	75-71-8	MG/KG					
Ethyl Chloride	75-00-3	MG/KG					
Ethyl Methacrylate	97-63-2	MG/KG					
Ethylbenzene	100-41-4	MG/KG					
Iodomethane	74-88-4	MG/KG					
Isobutyl Alcohol	78-83-1	MG/KG					
Methacrylonitrile	126-98-7	MG/KG					
Methyl Bromide	74-83-9	MG/KG					
Methyl Chloride	74-87-3	MG/KG					

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	MG/KG					
Methyl Isobutyl Ketone	108-10-1	MG/KG					
Methyl Methacrylate	80-62-6	MG/KG					
Methylene Bromide	74-95-3	MG/KG					
Methylene Chloride	75-09-2	MG/KG					
Pentachloroethane	76-01-7	MG/KG					
Propionitrile	107-12-0	MG/KG					
Styrene	100-42-5	MG/KG					
Tetrachloroethene	127-18-4	MG/KG					
Toluene	108-88-3	MG/KG					
trans-1,2-Dichloroethene	156-60-5	MG/KG					
trans-1,3-Dichloropropene	10061-02-6	MG/KG					
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG					
Trichloroethene	79-01-6	MG/KG					
Trichlorofluoromethane	75-69-4	MG/KG					
Vinyl Acetate	108-05-4	MG/KG					
Vinyl Chloride	75-01-4	MG/KG					
Xylenes	1330-20-7	MG/KG					
<i>Semivolatile Organic Compounds</i>							
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG					
1,2,4-Trichlorobenzene	120-82-1	MG/KG					
1,2-Diphenylhydrazine	122-66-7	MG/KG					
1,3,5-Trinitrobenzene	99-35-4	MG/KG					
1,3-Dinitrobenzene	99-65-0	MG/KG					
1,4-Dioxane	123-91-1	MG/KG					
1,4-Naphthoquinone	130-15-4	MG/KG					
1-Methylnaphthalene	90-12-0	MG/KG					
1-Naphthylamine	134-32-7	MG/KG					
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG					
2,4,5-Trichlorophenol	95-95-4	MG/KG					
2,4,6-Trichlorophenol	88-06-2	MG/KG					
2,4-Dichlorophenol	120-83-2	MG/KG					
2,4-Dimethylphenol	105-67-9	MG/KG					
2,4-Dinitrophenol	51-28-5	MG/KG					
2,4-Dinitrotoluene	121-14-2	MG/KG					
2,6-Dichlorophenol	87-65-0	MG/KG					
2,6-Dinitrotoluene	606-20-2	MG/KG					
2-Acetylaminofluorene	53-96-3	MG/KG					
2-Chloronaphthalene	91-58-7	MG/KG					
2-Chlorophenol	95-57-8	MG/KG					
2-Methylnaphthalene	91-57-6	MG/KG					

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
2-Methylphenol (O-Cresol)	95-48-7	MG/KG					
2-Naphthylamine	91-59-8	MG/KG					
2-Nitroaniline	88-74-4	MG/KG					
2-Nitrophenol	88-75-5	MG/KG					
2-Picoline	109-06-8	MG/KG					
3- And 4- Methylphenol	EVS0197	MG/KG					
3,3'-Dichlorobenzidine	91-94-1	MG/KG					
3,3'-Dimethylbenzidine	119-93-7	MG/KG					
3-Methylcholanthrene	56-49-5	MG/KG					
3-Nitroaniline	99-09-2	MG/KG					
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	MG/KG					
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG					
4-Aminobiphenyl	92-67-1	MG/KG					
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG					
4-Chloro-3-Methylphenol	59-50-7	MG/KG					
4-Chloroaniline	106-47-8	MG/KG					
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG					
4-Dimethylaminoazobenzene	60-11-7	MG/KG					
4-Methylphenol (P-Cresol)	106-44-5	MG/KG					
4-Nitroaniline	100-01-6	MG/KG					
4-Nitrophenol	100-02-7	MG/KG					
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG					
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG					
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG					
Acenaphthene	83-32-9	MG/KG					
Acenaphthylene	208-96-8	MG/KG					
Acetophenone	98-86-2	MG/KG					
Alpha,Alpha-Dimethylphenethylamine	122-09-8	MG/KG					
Aniline	62-53-3	MG/KG					
Anthracene	120-12-7	MG/KG					
Aramite	140-57-8	MG/KG					
Benzaldehyde	100-52-7	MG/KG					
Benzidine	92-87-5	MG/KG					
Benzo(A)Anthracene	56-55-3	MG/KG					
Benzo(B)Fluoranthene	205-99-2	MG/KG					
Benzo(G,H,I)Perylene	191-24-2	MG/KG					
Benzo(K)Fluoranthene	207-08-9	MG/KG					
Benzo[A]Pyrene	50-32-8	MG/KG					
Benzoic Acid	65-85-0	MG/KG					
Benzyl Alcohol	100-51-6	MG/KG					
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	MG/KG					

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG					
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG					
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG					
Butyl Benzyl Phthalate	85-68-7	MG/KG					
Carbazole	86-74-8	MG/KG					
Chlorobenzilate	510-15-6	MG/KG					
Chrysene	218-01-9	MG/KG					
Diallate	2303-16-4	MG/KG					
Dibenz(A,H)Anthracene	53-70-3	MG/KG					
Dibenzofuran	132-64-9	MG/KG					
Diethyl Phthalate	84-66-2	MG/KG					
Dimethyl Phthalate	131-11-3	MG/KG					
Di-N-Butyl Phthalate	84-74-2	MG/KG					
Ethyl Methanesulfonate	62-50-0	MG/KG					
Fluoranthene	206-44-0	MG/KG					
Fluorene	86-73-7	MG/KG					
Hexachlorobenzene	118-74-1	MG/KG					
Hexachlorobutadiene	87-68-3	MG/KG					
Hexachlorocyclopentadiene	77-47-4	MG/KG					
Hexachloroethane	67-72-1	MG/KG					
Hexachloropropylene	1888-71-7	MG/KG					
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG					
Isodrin	465-73-6	MG/KG					
Isophorone	78-59-1	MG/KG					
Isosafrole	120-58-1	MG/KG					
Methapyrilene	91-80-5	MG/KG					
Methyl Methanesulfonate	66-27-3	MG/KG					
Naphthalene	91-20-3	MG/KG					
N-Dioctyl Phthalate	117-84-0	MG/KG					
Nitrobenzene	98-95-3	MG/KG					
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG					
N-Nitrosodiethylamine	55-18-5	MG/KG					
N-Nitrosodimethylamine	62-75-9	MG/KG					
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG					
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG					
N-Nitrosodiphenylamine	86-30-6	MG/KG					
N-Nitrosomorpholine	59-89-2	MG/KG					
N-Nitrosopiperidine	100-75-4	MG/KG					
N-Nitrosopyrrolidine	930-55-2	MG/KG					
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG					

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
O-Toluidine	95-53-4	MG/KG					
para-Phenylenediamine	106-50-3	MG/KG					
Pentachlorobenzene	608-93-5	MG/KG					
Pentachloronitrobenzene	82-68-8	MG/KG					
Pentachlorophenol	87-86-5	MG/KG					
Phenacetin	62-44-2	MG/KG					
Phenanthrene	85-01-8	MG/KG					
Phenol	108-95-2	MG/KG					
Pyrene	129-00-0	MG/KG					
Pyridine	110-86-1	MG/KG					
Safrole	94-59-7	MG/KG					
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG					
Thionazin	297-97-2	MG/KG					
Dimethoate	60-51-5	MG/KG					
Pronamide	23950-58-5	MG/KG					
<i>Dowtherm</i>							
Biphenyl	92-52-4	MG/KG					
Diphenyl Ether	101-84-8	MG/KG					
<i>Glycols</i>							
Ethylene Glycol	107-21-1	MG/KG					
Diethylene Glycol	111-46-6	MG/KG					
Propylene Glycol	57-55-6	MG/KG					
Triethylene Glycol	112-27-6	MG/KG					
<i>Inorganics</i>							
Antimony	7440-36-0	MG/KG		1.27 J	<0.861 UJ	<0.869 UJ	<0.869 UJ
Arsenic	7440-38-2	MG/KG		1.54	1.68	1.76	1.29
Barium	7440-39-3	MG/KG		55.1	59.7	41.3	69.4
Beryllium	7440-41-7	MG/KG		1.05	1.07	1.21	1.18
Cadmium	7440-43-9	MG/KG		<0.0686	<0.0652	<0.0658	<0.0658
Chromium	7440-47-3	MG/KG		22.4	6.74	3.99	6.34
Cobalt	7440-48-4	MG/KG		3.76	4.83	6.17	5.02
Copper	7440-50-8	MG/KG		25.9	4.70	3.26	5.36
Lead	7439-92-1	MG/KG		12.2	12.5	8.35	11.4
Mercury	7439-97-6	MG/KG		0.206	0.0167 J	0.0154 J	0.0383 J
Nickel	7440-02-0	MG/KG		9.51	5.82	5.42	5.27
Selenium	7782-49-2	MG/KG		<1.05	<1.00	<1.01	<1.01
Silver	7440-22-4	MG/KG		530	75.0	9.59	120
Thallium	7440-28-0	MG/KG		2.10 J	1.49 J	<1.08	1.71 J
Tin	7440-31-5	MG/KG		6.41 B	4.76 B	4.75 B	5.56 B
Vanadium	7440-62-2	MG/KG		27.4	19.9	16.6	17.9
Zinc	7440-66-6	MG/KG		87.3	35.6	30.7	39.9

Summary of Analytical Results - Historic and RFI Soil
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SWMU9-SS-6	SWMU9-SS-7	SWMU9-SS-8	SWMU9-SS-9
			Field Sample ID	13454243	13454245	13454247	13454249
			Sample Name	BRE-S-SWMU9-SS-6(0-2)	BRE-S-SWMU9-SS-7(0-2)	BRE-S-SWMU9-SS-8(0-2)	BRE-S-SWMU9-SS-9(0-2)
			Date Sampled	07/22/2004	07/22/2004	07/22/2004	07/22/2004
			Start Depth - End Depth	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Purpose	FS	FS	FS	FS
Percent Moisture	EVS0198	%		20.7	14.9	16.5	15.7
Percent Moisture	EVS0198	% BY WT.					

Summary of Analytical Results - Surficial Aquifer Groundwater - 2003
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW101	MW102A	MW102B	MW104A	MW104B	MW105
				Field Sample ID	12342113	12391353	12391356	12391359	12407549	12407552	12407555
				Sample Name	BRE-G-MW-107B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105
				Date Sampled	10/08/2003	10/13/2003	10/13/2003	10/13/2003	10/10/2003	10/10/2003	10/09/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 UJ
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.2 J
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0 UJ
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Benzene	71-43-2	N	UG/L		0.6	<0.1	<0.1	<0.1	<0.1	0.2 J	0.8 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Carbon Disulfide	75-15-0	N	UG/L		0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chloroform	67-66-3	N	UG/L		3.5	<0.1	<0.1	0.1 J	<0.1	<0.1	15 J
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	0.1 J	<0.1	0.9	<0.1 UJ
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5 J
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10 UJ
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.3 J

Summary of Analytical Results - Surficial Aquifer Groundwater - 2003
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW101	MW102A	MW102B	MW104A	MW104B	MW105
				Field Sample ID	12342113	12391353	12391356	12391359	12407549	12407552	12407555
				Sample Name	BRE-G-MW-107B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105
				Date Sampled	10/08/2003	10/13/2003	10/13/2003	10/13/2003	10/10/2003	10/10/2003	10/09/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.6 B
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1 UJ
Toluene	108-88-3	N	UG/L		0.2 J	<0.1	<0.1	0.1 J	<0.1	<0.1	0.6 J
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	1.6	3.4	<0.010	1.3	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10	<11 R	<10 R	<10 R	<10	<10	<10
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<21	<21	<19	<19	<21	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW101	MW102A	MW102B	MW104A	MW104B	MW105
				Field Sample ID	12342113	12391353	12391356	12391359	12407549	12407552	12407555
				Sample Name	BRE-G-MW-107B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105
				Date Sampled	10/08/2003	10/13/2003	10/13/2003	10/13/2003	10/10/2003	10/10/2003	10/09/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5 UJ	<5	<5	<5	<5	<5	<5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<11	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<21 UJ	<21 UJ	<19 UJ	<19	<21	<20
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1 R	<1 R	<1 R	<1 R	<1 R	<1 R
Benzidine	92-87-5	N	UG/L		<20	<21	<21	<19	<19	<21	<20
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6 R	<6 R	<6 R	<6 R	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW101	MW102A	MW102B	MW104A	MW104B	MW105
				Field Sample ID	12342113	12391353	12391356	12391359	12407549	12407552	12407555
				Sample Name	BRE-G-MW-107B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105
				Date Sampled	10/08/2003	10/13/2003	10/13/2003	10/13/2003	10/10/2003	10/10/2003	10/09/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallylate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<60 R	<63 R	<62 R	<58 R	<58 R	<62 R	<60 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW101	MW102A	MW102B	MW104A	MW104B	MW105
				Field Sample ID	12342113	12391353	12391356	12391359	12407549	12407552	12407555
				Sample Name	BRE-G-MW-107B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105
				Date Sampled	10/08/2003	10/13/2003	10/13/2003	10/13/2003	10/10/2003	10/10/2003	10/09/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<2.50	<2.50	<2.50	<2.50 UJ	<2.50	<2.50	<2.50
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		9.4	9.1	2.10 B	2.40 J	11.2	6	18
Beryllium	7440-41-7	N	UG/L		0.750 J	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340
Cadmium	7440-43-9	N	UG/L		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870
Chromium	7440-47-3	N	UG/L		1.20 J	<0.250	0.270 J	<0.250	<0.250	<0.250	0.850 J
Cobalt	7440-48-4	N	UG/L		1.90 J	<1.60	<1.60	<1.60 UJ	1.60 J	<1.60	<1.60
Copper	7440-50-8	N	UG/L		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	6.60 B
Lead	7439-92-1	N	UG/L		<9.30	<9.30	<9.30	<9.30	<9.30	<9.30	<9.30
Mercury	7439-97-6	N	UG/L		<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160
Nickel	7440-02-0	N	UG/L		<3.80	<3.80	<3.80	<3.80 UJ	<3.80	<3.80	<3.80
Selenium	7782-49-2	N	UG/L		<4.70	<4.70	<4.70	<4.70	<4.70	<4.70	<4.70
Silver	7440-22-4	N	UG/L		<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80
Thallium	7440-28-0	N	UG/L		<0.890 UJ	<0.890	<0.890	<0.890	<0.890 UJ	<0.890	<0.890
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00	<5.00 UJ	<5.00	5.00 J	<5.00
Vanadium	7440-62-2	N	UG/L		3.60 J	<1.70	<1.70	<1.70 UJ	<1.70	<1.70	1.70 J
Zinc	7440-66-6	N	UG/L		32.50 B	<4.10	6.00 J	<4.10	<4.10	12.00 B	7.70 B
<i>Miscellaneous</i>											
Cyanide	57-12-5	N	UG/L		<4.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Sulfide	18496-25-8	N	UG/L		<530	<530 UJ	<530 UJ	<530 UJ	<530	<530 UJ	<530 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW106A	MW106B	MW107A	MW108	MW109A	MW109A	MW109B
				Field Sample ID	12337181	12337184	12369109	12407558	12407564	12407566	12407569
				Sample Name	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109A-DUP	BRE-G-MW109B
				Date Sampled	10/09/2003	10/09/2003	10/08/2003	10/10/2003	10/10/2003	10/10/2003	10/10/2003
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		0.3 J	0.5 J	0.3 J	2.2	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	0.7	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3 UJ	<0.3 UJ	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5 UJ	<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1 UJ	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2-Hexanone	591-78-6	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0 UJ	<3.0 UJ	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0 UJ	<7.0 UJ	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.2 J	0.2 J	0.5	0.2 J	<0.1	<0.1	0.1 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	0.2 J
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		0.7 J	0.2 J	0.8	<0.1	<0.1	<0.1	2.1
Chloroprene	126-99-8	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.3 J	0.5 J	0.4 J	8.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		0.5 J	0.4 J	0.3 J	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	0.1 J
Iodomethane	74-88-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10 UJ	<10 UJ	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	1.3 J

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Analyte	CAS No.	Filtered	Units	Location ID	MW106A	MW106B	MW107A	MW108	MW109A	MW109A	MW109B
				Field Sample ID	12337181	12337184	12369109	12407558	12407564	12407566	12407569
				Sample Name	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109A-DUP	BRE-G-MW109B
				Date Sampled	10/09/2003	10/09/2003	10/08/2003	10/10/2003	10/10/2003	10/10/2003	10/10/2003
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		0.2 B	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	0.5 B
Pentachloroethane	76-01-7	N	UG/L		<0.2 UJ	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	3.1 J	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1 UJ	<0.1 UJ	0.2 J	<0.1	0.1 J	0.2 J	0.4 J
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	0.1 J	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	9.8 J	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1 UJ	<0.1 UJ	<0.1	0.4 J	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2 UJ	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.21 J	0.25	0.71	3.8	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1 UJ	<0.1 UJ	0.3 J	<0.1	<0.1	<0.1	0.1 J
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5 UJ	<5	<5	<5 UJ	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1,4-Dioxane	123-91-1	N	UG/L		<1	12	8	<1	<1	<0.9	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10	<10	<10	<10	<9	<11
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2 R	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<20	<20	<20 R	<20	<19	<21
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2 R	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5

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Analyte	CAS No.	Filtered	Units	Location ID	MW106A	MW106B	MW107A	MW108	MW109A	MW109A	MW109B
				Field Sample ID	12337181	12337184	12369109	12407558	12407564	12407566	12407569
				Sample Name	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109A-DUP	BRE-G-MW109B
				Date Sampled	10/09/2003	10/09/2003	10/08/2003	10/10/2003	10/10/2003	10/10/2003	10/10/2003
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
2-Picoline	109-06-8	N	UG/L		<2 UJ	<2	<2	<2 UJ	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5 UJ	<5	<5 UJ	<5 UJ	<5	<5	<5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5 R	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2 R	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10 R	<10	<9	<11
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<20	<20	<20	<20	<19	<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzaldehyde	100-52-7	N	UG/L		<1 R	<1	<1	<1 R	<1 R	<0.9 R	<1 R
Benzidine	92-87-5	N	UG/L		<20	<20	<20	<20	<20	<19	<21
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Benzoic Acid	65-85-0	N	UG/L		<6 R	<6	<6 R	<6 R	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3

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Analyte	CAS No.	Filtered	Units	Location ID	MW106A	MW106B	MW107A	MW108	MW109A	MW109A	MW109B
				Field Sample ID	12337181	12337184	12369109	12407558	12407564	12407566	12407569
				Sample Name	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109A-DUP	BRE-G-MW109B
				Date Sampled	10/09/2003	10/09/2003	10/08/2003	10/10/2003	10/10/2003	10/10/2003	10/10/2003
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	3 J
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2 UJ	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Isosafrole	120-58-1	N	UG/L		<1 UJ	<1	<1	<1	<1	<0.9	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3	<3	<3 UJ	<3	<3	<3
Methyl Methanesulfonate	66-27-3	N	UG/L		<1 UJ	<1	<1	<1 UJ	<1	<0.9	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	2 J	<1	<1	<0.9	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2 UJ	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2 UJ	<2	<2	<2 UJ	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
para-Phenylenediamine	106-50-3	N	UG/L		<60 R	<61 R	<59 R	<61 R	<59 R	<57 R	<63 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3 R	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1 R	<1	<0.9	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW106A	MW106B	MW107A	MW108	MW109A	MW109A	MW109B
				Field Sample ID	12337181	12337184	12369109	12407558	12407564	12407566	12407569
				Sample Name	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109A-DUP	BRE-G-MW109B
				Date Sampled	10/09/2003	10/09/2003	10/08/2003	10/10/2003	10/10/2003	10/10/2003	10/10/2003
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2 UJ	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<0.9	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		48.3	5	109	21.1	16.3	16.2	12.4
Beryllium	7440-41-7	N	UG/L		<0.340	0.470 J	<0.340	<0.340	<0.340	<0.340	<0.340
Cadmium	7440-43-9	N	UG/L		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870
Chromium	7440-47-3	N	UG/L		0.310 J	0.320 J	0.530 J	0.500 J	<0.250	<0.250	0.330 J
Cobalt	7440-48-4	N	UG/L		1.90 J	<1.60	3.20 J	<1.60	<1.60	<1.60	<1.60
Copper	7440-50-8	N	UG/L		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
Lead	7439-92-1	N	UG/L		<9.30	<9.30	<9.30	<9.30	<9.30	<9.30	<9.30
Mercury	7439-97-6	N	UG/L		<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160
Nickel	7440-02-0	N	UG/L		<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80
Selenium	7782-49-2	N	UG/L		<4.70	<4.70	<4.70	<4.70	<4.70	<4.70	<4.70
Silver	7440-22-4	N	UG/L		<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80
Thallium	7440-28-0	N	UG/L		<0.890 UJ	<0.890 UJ	<0.890 UJ	<0.890	<0.890	<0.890	<0.890
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
Zinc	7440-66-6	N	UG/L		24.40 B	21.40 B	19.10 B	8.60 B	<4.10	<4.10	<4.10
<i>Miscellaneous</i>											
Cyanide	57-12-5	N	UG/L		<4.00	<4.00	<4.00	<5.00	<5.00	<5.00	<5.00
Sulfide	18496-25-8	N	UG/L		<530	<530	<530	<530 UJ	<530 UJ	<530 UJ	<530 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW110A	MW110B	MW111A	MW111B	MW112A	MW112B	MW114A
				Field Sample ID	12413171	12413173	12410497	12410500	12410503	12410506	12413175
				Sample Name	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A
				Date Sampled	10/15/2003	10/15/2003	10/14/2003	10/14/2003	10/14/2003	10/14/2003	10/15/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	1.0	0.1 J	<0.1	0.2 J	0.1 J
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	1.5	<0.1	<0.1	0.1 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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Analyte	CAS No.	Filtered	Units	Location ID	MW110A	MW110B	MW111A	MW111B	MW112A	MW112B	MW114A
				Field Sample ID	12413171	12413173	12410497	12410500	12410503	12410506	12413175
				Sample Name	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A
				Date Sampled	10/15/2003	10/15/2003	10/14/2003	10/14/2003	10/14/2003	10/14/2003	10/15/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	0.4 J	<0.1 UJ	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	0.2 J	<0.1	13	<0.1	0.1 J	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.33
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 R	<10	<10	<10	<10	<10 R
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<20	<21	<20	<20	<21	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5

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Analyte	CAS No.	Filtered	Units	Location ID	MW110A	MW110B	MW111A	MW111B	MW112A	MW112B	MW114A
				Field Sample ID	12413171	12413173	12410497	12410500	12410503	12410506	12413175
				Sample Name	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A
				Date Sampled	10/15/2003	10/15/2003	10/14/2003	10/14/2003	10/14/2003	10/14/2003	10/15/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2 UJ	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<20	<21	<20	<20	<21	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1 R	<1 R	<1 R	<1 R	<1 R	<1 R	<1 R
Benzidine	92-87-5	N	UG/L		<20	<20	<21	<20	<20	<21	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6 R	<6 R	<6 R	<6 R	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3

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Analyte	CAS No.	Filtered	Units	Location ID	MW110A	MW110B	MW111A	MW111B	MW112A	MW112B	MW114A
				Field Sample ID	12413171	12413173	12410497	12410500	12410503	12410506	12413175
				Sample Name	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A
				Date Sampled	10/15/2003	10/15/2003	10/14/2003	10/14/2003	10/14/2003	10/14/2003	10/15/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3	<3	<3 R	<3 R	<3 R	<3 R	<3
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1 UJ	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<59 R	<60 R	<62 R	<60 R	<60 R	<62 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW110A	MW110B	MW111A	MW111B	MW112A	MW112B	MW114A
				Field Sample ID	12413171	12413173	12410497	12410500	12410503	12410506	12413175
				Sample Name	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A
				Date Sampled	10/15/2003	10/15/2003	10/14/2003	10/14/2003	10/14/2003	10/14/2003	10/15/2003
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50	<2.50	<2.50	<2.50	<2.50 UJ
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		35.6	47.4	12.2	20.3	26.2	5.1	16.9
Beryllium	7440-41-7	N	UG/L		<0.340	1.20 J	<0.340	0.490 J	<0.340	<0.340	<0.340
Cadmium	7440-43-9	N	UG/L		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870
Chromium	7440-47-3	N	UG/L		0.550 B	5.6	0.260 J	0.700 J	0.330 J	<0.250	0.270 B
Cobalt	7440-48-4	N	UG/L		11.20 J	4.10 J	<1.60	<1.60	<1.60	<1.60	<1.60 UJ
Copper	7440-50-8	N	UG/L		<2.10	2.50 J	<2.10	<2.10	<2.10	<2.10	<2.10
Lead	7439-92-1	N	UG/L		<9.30	<9.30	<9.30	<9.30	<9.30	<9.30	<9.30
Mercury	7439-97-6	N	UG/L		<0.160	<0.160	<0.160	<0.160	<0.160	<0.160	<0.160
Nickel	7440-02-0	N	UG/L		<3.80 UJ	6.70 J	<3.80	<3.80	<3.80	<3.80	<3.80 UJ
Selenium	7782-49-2	N	UG/L		<4.70	<4.70	<4.70	<4.70	<4.70	<4.70	<4.70
Silver	7440-22-4	N	UG/L		<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80
Thallium	7440-28-0	N	UG/L		<0.890	<0.890	<0.890	<0.890	<0.890	<0.890	<0.890
Tin	7440-31-5	N	UG/L		<5.00 UJ	<5.00 UJ	<5.00	<5.00	<5.00	<5.00	<5.00 UJ
Vanadium	7440-62-2	N	UG/L		<1.70 UJ	12.90 J	<1.70	2.70 J	<1.70	<1.70	<1.70 UJ
Zinc	7440-66-6	N	UG/L		<4.10	42.1	<4.10	11.60 B	<4.10	<4.10	5.20 B
<i>Miscellaneous</i>											
Cyanide	57-12-5	N	UG/L		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Sulfide	18496-25-8	N	UG/L		<530	<530	<530	<530	<530	<530	<530

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Analyte	CAS No.	Filtered	Units	Location ID	MW114B	R87-S10	R87-S11	R87-S11	R87-S3	R87-S4	R87-S5
				Field Sample ID	12413177	12369106	12402049	12402051	12335329	12335332	12335335
				Sample Name	BRE-G-MW114B	BRE-G-R87-S10	BRE-G-R87-S11	BRE-G-R87-S11-DUP	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5
				Date Sampled	10/15/2003	10/08/2003	10/07/2003	10/07/2003	10/06/2003	10/06/2003	10/06/2003
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	0.1 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3 UJ	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		3.5 J	<3.0 UJ	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0 UJ	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		4.6	<0.1 UJ	<0.1	<0.1	0.8	0.5	0.9
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		3.3	<0.1 UJ	2.0	2.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		0.6	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10 UJ	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		1.3 J	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0

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Analyte	CAS No.	Filtered	Units	Location ID	MW114B	R87-S10	R87-S11	R87-S11	R87-S3	R87-S4	R87-S5
				Field Sample ID	12413177	12369106	12402049	12402051	12335329	12335332	12335335
				Sample Name	BRE-G-MW114B	BRE-G-R87-S10	BRE-G-R87-S11	BRE-G-R87-S11-DUP	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5
				Date Sampled	10/15/2003	10/08/2003	10/07/2003	10/07/2003	10/06/2003	10/06/2003	10/06/2003
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		0.3 B	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		0.3 J	<0.1 UJ	<0.1	<0.1	<0.1	0.2 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1 UJ	<0.1	<0.1	<0.1	0.3 J	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1 UJ	1.1	1.2	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2 UJ	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	0.011 J	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		0.2 J	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<20	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<50	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1,4-Dioxane	123-91-1	N	UG/L		<10	<1	<1	<1	23	25	22
1,4-Naphthoquinone	130-15-4	N	UG/L		<100 R	<10	<10 R	<10 R	<10 R	<10 R	<10 R
1-Methylnaphthalene	90-12-0	N	UG/L		<10	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<50	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<20	<2	<2	<2	<2	<2 R	<2 R
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2,4-Dichlorophenol	120-83-2	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2,4-Dimethylphenol	105-67-9	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2,4-Dinitrophenol	51-28-5	N	UG/L		<200	<20	<20	<19	<20	<20 R	<20 R
2,4-Dinitrotoluene	121-14-2	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<20	<2	<2	<2	<2	<2 R	<2 R
2,6-Dinitrotoluene	606-20-2	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<20	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2-Methylnaphthalene	91-57-6	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2-Naphthylamine	91-59-8	N	UG/L		<50	<5	<5	<5	<5	<5	<5

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Analyte	CAS No.	Filtered	Units	Location ID	MW114B	R87-S10	R87-S11	R87-S11	R87-S3	R87-S4	R87-S5
				Field Sample ID	12413177	12369106	12402049	12402051	12335329	12335332	12335335
				Sample Name	BRE-G-MW114B	BRE-G-R87-S10	BRE-G-R87-S11	BRE-G-R87-S11-DUP	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5
				Date Sampled	10/15/2003	10/08/2003	10/07/2003	10/07/2003	10/06/2003	10/06/2003	10/06/2003
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
2-Nitroaniline	88-74-4	N	UG/L		<10	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
2-Picoline	109-06-8	N	UG/L		<20	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<50	<5	<5 UJ	<5 UJ	<5	<5	<5
3-Methylcholanthrene	56-49-5	N	UG/L		<20	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<10	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<50	<5 UJ	<5 UJ	<5 UJ	<5	<5	<5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<50	<5	<5	<5	<5	<5 R	<5 R
4-Aminobiphenyl	92-67-1	N	UG/L		<20	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R
4-Chloroaniline	106-47-8	N	UG/L		<10	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<20	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<20	<2	<2	<2	<2	<2 R	<2 R
4-Nitroaniline	100-01-6	N	UG/L		<10	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<100	<10	<10	<10	<10	<10 R	<10 R
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<200	<20	<20	<19	<20	<20	<20
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<30	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<10 R	<1	<1	<1	<1	<1	<1
Benzidine	92-87-5	N	UG/L		<200	<20	<20	<19	<20	<20	<20
Benzo(A)Anthracene	56-55-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<60	<6 R	<6	<6	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<50	<5	<5	<5	<5	<5	<5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Carbazole	86-74-8	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<30	<3	<3	<3	<3	<3	<3

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Analyte	CAS No.	Filtered	Units	Location ID	MW114B	R87-S10	R87-S11	R87-S11	R87-S3	R87-S4	R87-S5
				Field Sample ID	12413177	12369106	12402049	12402051	12335329	12335332	12335335
				Sample Name	BRE-G-MW114B	BRE-G-R87-S10	BRE-G-R87-S11	BRE-G-R87-S11-DUP	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5
				Date Sampled	10/15/2003	10/08/2003	10/07/2003	10/07/2003	10/06/2003	10/06/2003	10/06/2003
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Chrysene	218-01-9	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<50	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<30	<3	<3 R	<3 R	<3	<3	<3
Methyl Methanesulfonate	66-27-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<10	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<10	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<20	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<20	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<10	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<600 R	<59 R	<59 R	<58 R	<59 R	<59 R	<60 R
Pentachlorobenzene	608-93-5	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<30	<3	<3	<3	<3	<3 R	<3 R
Phenacetin	62-44-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<10	<1	<1	<1	<1	<1 R	<1 R

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Analyte	CAS No.	Filtered	Units	Location ID	MW114B	R87-S10	R87-S11	R87-S11	R87-S3	R87-S4	R87-S5
				Field Sample ID	12413177	12369106	12402049	12402051	12335329	12335332	12335335
				Sample Name	BRE-G-MW114B	BRE-G-R87-S10	BRE-G-R87-S11	BRE-G-R87-S11-DUP	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5
				Date Sampled	10/15/2003	10/08/2003	10/07/2003	10/07/2003	10/06/2003	10/06/2003	10/06/2003
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<10	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<20	<2	<2	<2	<2	<2	<2
Dimethoate	60-51-5	N	UG/L		<30	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<10	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<2.50 UJ	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		257	31.8	43.6	43.5	828	186	286
Beryllium	7440-41-7	N	UG/L		17.7	<0.340	0.570 J	0.600 J	<0.340	<0.340	<0.340
Cadmium	7440-43-9	N	UG/L		<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870
Chromium	7440-47-3	N	UG/L		33.6	<0.250	2.30 J	1.20 J	0.550 J	<0.250	0.280 J
Cobalt	7440-48-4	N	UG/L		30.00 J	<1.60	<1.60	<1.60	<1.60	8.5	12.2
Copper	7440-50-8	N	UG/L		28.4	<2.10	<2.10	<2.10	2.50 J	<2.10	<2.10
Lead	7439-92-1	N	UG/L		90.8	<9.30	<9.30	<9.30	<9.30	<9.30	<9.30
Mercury	7439-97-6	N	UG/L		<0.160	<0.160	<0.160	<0.160	<0.160 UJ	<0.160 UJ	<0.160 UJ
Nickel	7440-02-0	N	UG/L		24.20 J	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80
Selenium	7782-49-2	N	UG/L		<4.70	<4.70	<4.70	<4.70	<4.70	9.60 J	<4.70
Silver	7440-22-4	N	UG/L		2.60 J	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80
Thallium	7440-28-0	N	UG/L		3.70 J	<0.890 UJ	<0.890	<0.890	<0.890	1.40 B	2.20 B
Tin	7440-31-5	N	UG/L		26.10 J	<5.00	<5.00	<5.00	<5.00	<5.00	5.30 J
Vanadium	7440-62-2	N	UG/L		101.0 J	<1.70	<1.70	<1.70	<1.70	<1.70	1.70 J
Zinc	7440-66-6	N	UG/L		447	17.80 B	<4.10	4.60 J	<4.10	<4.10	<4.10
<i>Miscellaneous</i>											
Cyanide	57-12-5	N	UG/L		<5.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00
Sulfide	18496-25-8	N	UG/L		<4200.00	<530	<530	<530	<530	<1100.00	<530

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S7	R87-S8	R87-S9
				Field Sample ID	12400881	12401499	12369103
				Sample Name	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	10/07/2003	10/07/2003	10/08/2003
				Sample Purpose	FS	FS	FS
<i>Volatile Organic Compounds</i>							
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1 UJ
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1 UJ
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1 UJ
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1 UJ
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1 UJ
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5 UJ
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1 UJ
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1 UJ
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1 UJ
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0 UJ
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0 UJ
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0 UJ	<7.0 UJ
Acrolein	107-02-8	N	UG/L		<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1 UJ
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1 UJ
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1 UJ
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1 UJ
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1 UJ
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1 UJ
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1 UJ
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1 UJ
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1 UJ
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1 UJ
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	0.1 J	<0.1 UJ
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1 UJ
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1 UJ
Ethyl Chloride	75-00-3	N	UG/L		<0.1	0.4 J	<0.1 UJ
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1 UJ
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1 UJ
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1 UJ
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10 UJ
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0 UJ
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1 UJ
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1 UJ
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S7	R87-S8	R87-S9
				Field Sample ID	12400881	12401499	12369103
				Sample Name	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	10/07/2003	10/07/2003	10/08/2003
				Sample Purpose	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0 UJ
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1 UJ
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1 UJ
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2 UJ
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2 UJ
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0 UJ
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1 UJ
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1 UJ	<0.1 UJ
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1 UJ
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1 UJ
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1 UJ
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0 UJ
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1 UJ
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1 UJ
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2 UJ
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.12 J	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1 UJ
<i>Semivolatile Organic Compounds</i>							
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5 UJ	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<1	<1	<1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<11 R	<10
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<21	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S7	R87-S8	R87-S9
				Field Sample ID	12400881	12401499	12369103
				Sample Name	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	10/07/2003	10/07/2003	10/08/2003
				Sample Purpose	FS	FS	FS
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2 UJ	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<5 UJ	<5	<5
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2 UJ	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<11	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<21	<20
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2 UJ	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2 UJ	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1 UJ	<1
Benzidine	92-87-5	N	UG/L		<20	<21	<20
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1 UJ	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6 R	<6 R
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2
Carbazole	86-74-8	N	UG/L		<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S7	R87-S8	R87-S9
				Field Sample ID	12400881	12401499	12369103
				Sample Name	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	10/07/2003	10/07/2003	10/08/2003
				Sample Purpose	FS	FS	FS
Chrysene	218-01-9	N	UG/L		<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1 UJ	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 UJ	<3
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1 UJ	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2 UJ	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2 UJ	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2 UJ	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<60 R	<63 R	<59 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S7	R87-S8	R87-S9
				Field Sample ID	12400881	12401499	12369103
				Sample Name	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	10/07/2003	10/07/2003	10/08/2003
				Sample Purpose	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2
Dimethoate	60-51-5	N	UG/L		<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1
<i>Inorganics</i>							
Antimony	7440-36-0	N	UG/L		<2.50	<2.50	<2.50
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		9.4	20.9	31.2
Beryllium	7440-41-7	N	UG/L		<0.340	<0.340	<0.340
Cadmium	7440-43-9	N	UG/L		<0.870	<0.870	<0.870
Chromium	7440-47-3	N	UG/L		<0.250	<0.250	<0.250
Cobalt	7440-48-4	N	UG/L		<1.60	<1.60	<1.60
Copper	7440-50-8	N	UG/L		2.10 J	<2.10	<2.10
Lead	7439-92-1	N	UG/L		<9.30	<9.30	<9.30
Mercury	7439-97-6	N	UG/L		<0.160	<0.160	<0.160
Nickel	7440-02-0	N	UG/L		<3.80	<3.80	<3.80
Selenium	7782-49-2	N	UG/L		<4.70	<4.70	<4.70
Silver	7440-22-4	N	UG/L		<1.80	<1.80	<1.80
Thallium	7440-28-0	N	UG/L		<0.890	<0.890	<0.890 UJ
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.70	<1.70	<1.70
Zinc	7440-66-6	N	UG/L		7.50 J	7.70 J	12.90 B
<i>Miscellaneous</i>							
Cyanide	57-12-5	N	UG/L		<4.00	<5.00	<4.00
Sulfide	18496-25-8	N	UG/L		<530	<530	<530

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Analyte	CAS No.	Filtered	Units	Location ID	MW-111A	MW-111B	MW101	MW102A	MW102B	MW104A	MW104B
				Field Sample ID	13577033	13577035	13530736	13422179	13422181	13401392	13401380
				Sample Name	BRE-G-MW-111A	BRE-G-MW-111B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B
				Date Sampled	08/18/2004	08/18/2004	07/29/2004	07/29/2004	07/29/2004	07/22/2004	07/22/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	5.5	<0.1	<0.1	1.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200		<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-111A	MW-111B	MW101	MW102A	MW102B	MW104A	MW104B
				Field Sample ID	13577033	13577035	13530736	13422179	13422181	13401392	13401380
				Sample Name	BRE-G-MW-111A	BRE-G-MW-111B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B
				Date Sampled	08/18/2004	08/18/2004	07/29/2004	07/29/2004	07/29/2004	07/22/2004	07/22/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	0.1 J	0.3 J	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	1.2	<0.1	<0.1	0.1 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	5.2	1.3	<0.010	1.1
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 R	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<19	<19	<19	<19	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-111A	MW-111B	MW101	MW102A	MW102B	MW104A	MW104B
				Field Sample ID	13577033	13577035	13530736	13422179	13422181	13401392	13401380
				Sample Name	BRE-G-MW-111A	BRE-G-MW-111B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B
				Date Sampled	08/18/2004	08/18/2004	07/29/2004	07/29/2004	07/29/2004	07/22/2004	07/22/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzeneamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<19	<19	<19	<19	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzidine	92-87-5	N	UG/L		<19	<19	<19	<19	<19	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6	<6	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-111A	MW-111B	MW101	MW102A	MW102B	MW104A	MW104B
				Field Sample ID	13577033	13577035	13530736	13422179	13422181	13401392	13401380
				Sample Name	BRE-G-MW-111A	BRE-G-MW-111B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B
				Date Sampled	08/18/2004	08/18/2004	07/29/2004	07/29/2004	07/29/2004	07/22/2004	07/22/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200		<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	<1	2 J
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1 UJ	<1 UJ	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<58 R	<57 R	<58 R	<57 R	<57 R	<58 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-111A	MW-111B	MW101	MW102A	MW102B	MW104A	MW104B
				Field Sample ID	13577033	13577035	13530736	13422179	13422181	13401392	13401380
				Sample Name	BRE-G-MW-111A	BRE-G-MW-111B	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B
				Date Sampled	08/18/2004	08/18/2004	07/29/2004	07/29/2004	07/29/2004	07/22/2004	07/22/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00		<3900.00	<3900.00	<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900		<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900	<0.0900	<0.0900	<0.0900	<0.0900	<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L		0.54	0.56	<0.0590	0.23	0.110 J	0.120 B	1
Barium	7440-39-3	N	UG/L		46	46.8	15.90 J	1.60 J	2.60 J	7.9	3.20 J
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970 UJ	<0.970 UJ	<0.970 UJ	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760	<0.760 UJ	<0.760 UJ	<0.760 UJ	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		8.1	6.9	0.640 B	1.10 B	0.880 B	0.470 B	3.8
Cobalt	7440-48-4	N	UG/L		4.20 J	3.50 J	<2.00 UJ	<2.00 UJ	<2.00 UJ	<2.00	<2.00
Copper	7440-50-8	N	UG/L		6.50 B	6.90 B	4.20 B	3.90 B	3.70 B	<2.70	2.80 B
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00 UJ	<10.00 UJ	<10.00 UJ	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280	<0.0280	<0.0280	<0.0280	<0.0280	<0.0280 UJ	<0.0280 UJ
Nickel	7440-02-0	N	UG/L		4.50 J	4.90 J	<3.10 UJ	<3.10 UJ	<3.10 UJ	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90 UJ	<5.90 UJ	<5.90 UJ	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00 UJ	<2.00 UJ	<2.00 UJ	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		0.340 J	0.330 J	<0.130	<0.130	<0.130	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00 UJ	<5.00 UJ	<5.00 UJ	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		11	10.8	<1.60 UJ	<1.60 UJ	<1.60 UJ	<1.60	<1.60
Zinc	7440-66-6	N	UG/L		54.4	53.6	19.30 B	15.70 B	12.30 B	<4.80	<4.80
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW105	MW106A	MW106B	MW107A	MW107B	MW108	MW109A
				Field Sample ID	13401384	13401386	13401382	13401388	13401390	13447646	13447546
				Sample Name	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A
				Date Sampled	07/22/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	08/05/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	0.3 J	0.5	0.3 J	<0.1	1.5 J	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.5 J	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3 UJ	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 UJ	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 UJ	
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0 UJ	
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Benzene	71-43-2	N	UG/L		<0.1	0.2 J	0.2 J	0.5	<0.1	0.2 J	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	0.4 J	0.5	0.4 J	<0.1	6.6 J	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Ethyl Chloride	75-00-3	N	UG/L		<0.1	0.7	0.4 J	0.6	<0.1	<0.1 UJ	
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10 UJ	
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	

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Analyte	CAS No.	Filtered	Units	Location ID	MW105	MW106A	MW106B	MW107A	MW107B	MW108	MW109A
				Field Sample ID	13401384	13401386	13401382	13401388	13401390	13447646	13447546
				Sample Name	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A
				Date Sampled	07/22/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	08/05/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ	
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ	
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	2.9 J	
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	6.7 J	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ	
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.20	0.15	0.59	<0.010	3.8 J	
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
1,4-Dioxane	123-91-1	N	UG/L		<1	3 J	15 J	8 J	<1 UJ	<1	
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 R	
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
1-Naphthylamine	134-32-7	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<20 UJ	<20 UJ	<19 UJ	<19 UJ	<20	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Chlorophenol	95-57-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	

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Analyte	CAS No.	Filtered	Units	Location ID	MW105	MW106A	MW106B	MW107A	MW107B	MW108	MW109A
				Field Sample ID	13401384	13401386	13401382	13401388	13401390	13447646	13447546
				Sample Name	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A
				Date Sampled	07/22/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	08/05/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
2-Nitroaniline	88-74-4	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Nitrophenol	88-75-5	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
2-Picoline	109-06-8	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10	
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
3-Nitroaniline	99-09-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	
4-Chloroaniline	106-47-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
4-Nitroaniline	100-01-6	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
4-Nitrophenol	100-02-7	N	UG/L		<10	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10	
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<20 R	<20 UJ	<19 UJ	<19 UJ	<20	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3 UJ	<3 UJ	<3 UJ	<3 UJ	<3	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Acenaphthene	83-32-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Acenaphthylene	208-96-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Acetophenone	98-86-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Aniline	62-53-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Anthracene	120-12-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzaldehyde	100-52-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	
Benzidine	92-87-5	N	UG/L		<19	<20 UJ	<20 UJ	<19 UJ	<19 UJ	<20	
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Benzoic Acid	65-85-0	N	UG/L		<6	<6 UJ	<6 UJ	<6 UJ	<6 UJ	<6	
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
Biphenyl	92-52-4	N	UG/L		<1	3 J	1 J	<1 UJ	<1 UJ	<1	
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	

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Analyte	CAS No.	Filtered	Units	Location ID	MW105	MW106A	MW106B	MW107A	MW107B	MW108	MW109A
				Field Sample ID	13401384	13401386	13401382	13401388	13401390	13447646	13447546
				Sample Name	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A
				Date Sampled	07/22/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	08/05/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Chlorobenzilate	510-15-6	N	UG/L		<3	<3 UJ	<3 UJ	<3 UJ	<3 UJ	<3	
Chrysene	218-01-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Diallate	2303-16-4	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Dibenzofuran	132-64-9	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Diphenyl Ether	101-84-8	N	UG/L		<1	26 J	10 J	23 J	<1 UJ	<1	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Fluoranthene	206-44-0	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Fluorene	86-73-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5	
Hexachloroethane	67-72-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Isodrin	465-73-6	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Isophorone	78-59-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Isosafrole	120-58-1	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R	
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Naphthalene	91-20-3	N	UG/L		<1	<1 UJ	<1 UJ	1 J	<1 UJ	<1	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Nitrobenzene	98-95-3	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
O-Toluidine	95-53-4	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
para-Phenylenediamine	106-50-3	N	UG/L		<58 R	<60 R	<59 R	<58 R	<58 R	<60 R	
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	

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Analyte	CAS No.	Filtered	Units	Location ID	MW105	MW106A	MW106B	MW107A	MW107B	MW108	MW109A
				Field Sample ID	13401384	13401386	13401382	13401388	13401390	13447646	13447546
				Sample Name	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A
				Date Sampled	07/22/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	08/05/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3 UJ	<3 UJ	<3 UJ	<3 UJ	<3	
Phenacetin	62-44-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Phenanthrene	85-01-8	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Phenol	108-95-2	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Pyridine	110-86-1	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Safrole	94-59-7	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
Thionazin	297-97-2	N	UG/L		<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2	
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3 UJ	<3 UJ	<3 UJ	<3 UJ	<3	
Pronamide	23950-58-5	N	UG/L		<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1	
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900	<0.0900	0.150 J	<0.0900	<0.0900	<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L		0.56	1.2	1.5	1.8	0.3	1.8	
Barium	7440-39-3	N	UG/L		64.3	62.9	2.10 B	78.1	1.70 B	12.3	
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970	<0.970	<0.970	<0.970	
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	
Chromium	7440-47-3	N	UG/L		7.4	0.570 B	0.470 B	0.980 B	0.710 B	0.500 B	
Cobalt	7440-48-4	N	UG/L		2.00 J	2.90 J	<2.00	<2.00	<2.00	<2.00	
Copper	7440-50-8	N	UG/L		3.70 B	<2.70	<2.70	<2.70	<2.70	<2.70	
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	
Mercury	7439-97-6	N	UG/L		<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	<0.0280	
Nickel	7440-02-0	N	UG/L		<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90	<5.90	<5.90	<5.90	
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
Thallium	7440-28-0	N	UG/L		0.270 J	<0.130	<0.130	<0.130	<0.130	<0.130	
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00	<5.00	<5.00	8.80 J	
Vanadium	7440-62-2	N	UG/L		4.60 J	<1.60	<1.60	<1.60	<1.60	<1.60	
Zinc	7440-66-6	N	UG/L		13.00 J	9.60 J	11.50 J	9.10 J	15.30 J	<4.80	
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW109A	MW109A	MW109A	MW109B	MW109B	MW110A	MW110B
				Field Sample ID	13447547	13613392	13613394	13447549	13613397	13510370	13510373
				Sample Name	BRE-G-MW109A-DUP	BRE-G-109A	BRE-G-109A-DUP	BRE-G-MW109B	BRE-G-109B	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/03/2004	08/02/2004	08/02/2004	08/03/2004	08/02/2004	08/10/2004	08/10/2004
				Sample Purpose	DUP	FS	DUP	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3	<0.3		<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.5	<0.5		<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L			<1	<1		<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L			<1	<1		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L			<1	<1		<1	<1	<1
2-Hexanone	591-78-6	N	UG/L			<1.0	<1.0		<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L			<3.0	<3.0		<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0	<7.0		<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L			<40	<40		<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L			<4	<4		<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200			<5200		<5200	<5200
Iodomethane	74-88-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10	<10		<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L			<1.0	<1.0		<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW109A	MW109A	MW109A	MW109B	MW109B	MW110A	MW110B
				Field Sample ID	13447547	13613392	13613394	13447549	13613397	13510370	13510373
				Sample Name	BRE-G-MW109A-DUP	BRE-G-109A	BRE-G-109A-DUP	BRE-G-MW109B	BRE-G-109B	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/03/2004	08/02/2004	08/02/2004	08/03/2004	08/02/2004	08/10/2004	08/10/2004
				Sample Purpose	DUP	FS	DUP	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0	<1.0		<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0	<1.0		<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L			<0.2	<0.2		<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L			<0.2	<0.2		<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L			<2.0	<2.0		<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L			<0.1	<0.1		1.4	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0	<1.0		<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L			<0.1	<0.1		<0.1	<0.1	0.2 J
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2	<0.2		<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L			<0.010	<0.010 UJ		<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L			<0.1	<0.1		<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L			<2	<2		<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L			<1	<1		<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L			<1	<1		<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L			<5 UJ	<5 UJ		<5 UJ	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L			<2	<2		<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L			<1	<1		<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L			<10 R	<10 R		<10 R	<10 R	<10 R
1-Methylnaphthalene	90-12-0	N	UG/L			<1	<1		<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L			<5	<5		<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L			<2	<2		<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L			<1	<1		<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L			<1	<1		<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L			<1	<1		<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L			<1	<1		<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L			<19	<19		<19	<19	<21
2,4-Dinitrotoluene	121-14-2	N	UG/L			<1	<1		<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L			<2	<2		<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L			<1	<1		<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L			<2	<2		<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L			<1	<1		<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L			<1	<1		<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L			<1	<1		<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L			<1	<1		<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW109A	MW109A	MW109A	MW109B	MW109B	MW110A	MW110B
				Field Sample ID	13447547	13613392	13613394	13447549	13613397	13510370	13510373
				Sample Name	BRE-G-MW109A-DUP	BRE-G-109A	BRE-G-109A-DUP	BRE-G-MW109B	BRE-G-109B	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/03/2004	08/02/2004	08/02/2004	08/03/2004	08/02/2004	08/10/2004	08/10/2004
				Sample Purpose	DUP	FS	DUP	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L			<5	<5		<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L			<1	<1		<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L			<1	<1		<1	<1	<1
2-Picoline	109-06-8	N	UG/L			<2	<2		<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L			<1	<1		<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L			<10	<10		<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L			<2	<2		<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L			<1	<1		<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L			<5 UJ	<5 UJ		<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L			<5	<5		<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L			<2	<2		<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L			<1	<1		<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L			<1	<1		<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L			<1	<1		<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L			<1	<1		<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L			<2	<2		<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L			<2	<2		<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L			<1	<1		<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L			<10	<10		<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L			<19	<19		<19	<19	<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L			<3	<3		<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L			<2	<2		<2	<2	<2
Acenaphthene	83-32-9	N	UG/L			<1	<1		<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L			<1	<1		<1	<1	<1
Acetophenone	98-86-2	N	UG/L			<2	<2		<2	<2	<2
Aniline	62-53-3	N	UG/L			<1	<1		<1	<1	<1
Anthracene	120-12-7	N	UG/L			<1	<1		<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L			<1	<1		<1	<1	<1
Benzidine	92-87-5	N	UG/L			<19	<19		<19	<19	<21
Benzo(A)Anthracene	56-55-3	N	UG/L			<1	<1		<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L			<1	<1		<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L			<1	<1		<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L			<1	<1		<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L			<1	<1		<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L			<6	<6		<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L			<5	<5		<5	<5	<5
Biphenyl	92-52-4	N	UG/L			<1	<1		<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L			<1	<1		<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L			<1	<1		<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L			<1	<1		<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L			<2	<2		<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L			<2	<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW109A	MW109A	MW109A	MW109B	MW109B	MW110A	MW110B
				Field Sample ID	13447547	13613392	13613394	13447549	13613397	13510370	13510373
				Sample Name	BRE-G-MW109A-DUP	BRE-G-109A	BRE-G-109A-DUP	BRE-G-MW109B	BRE-G-109B	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/03/2004	08/02/2004	08/02/2004	08/03/2004	08/02/2004	08/10/2004	08/10/2004
				Sample Purpose	DUP	FS	DUP	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L			<1	<1		<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L			<3 UJ	<3 UJ		<3 UJ	<3	<3
Chrysene	218-01-9	N	UG/L			<1	<1		<1	<1	<1
Diallate	2303-16-4	N	UG/L			<1	<1		<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L			<1	<1		<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L			<1	<1		<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L			<2	<2		<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200			<4200		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L			<2	<2		<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L			<2	<2		<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L			<1	<1		<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L			<2	<2		<2	<2	<2
Fluoranthene	206-44-0	N	UG/L			<1	<1		<1	<1	<1
Fluorene	86-73-7	N	UG/L			<1	<1		<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L			<1	<1		<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L			<1	<1		<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L			<5	<5		<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L			<1	<1		<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L			<2	<2		<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L			<1	<1		<1	<1	<1
Isodrin	465-73-6	N	UG/L			<1	<1		<1	<1	<1
Isophorone	78-59-1	N	UG/L			<1	<1		<1	<1	<1
Isosafrole	120-58-1	N	UG/L			<1	<1		<1	<1	<1
Methapyrilene	91-80-5	N	UG/L			<3 R	<3 R		<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L			<1	<1		<1	<1	<1
Naphthalene	91-20-3	N	UG/L			<1	<1		<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L			<2	<2		<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L			<1	<1		<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L			<2	<2		<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L			<1	<1		<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L			<2	<2		<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L			<2	<2		<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L			<2	<2		<2	<2	<2
O-Toluidine	95-53-4	N	UG/L			<1	<1		<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L			<57 R	<58 R		<58 R	<57 R	<63 R
Pentachlorobenzene	608-93-5	N	UG/L			<2	<2		<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L			<2	<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW109A	MW109A	MW109A	MW109B	MW109B	MW110A	MW110B
				Field Sample ID	13447547	13613392	13613394	13447549	13613397	13510370	13510373
				Sample Name	BRE-G-MW109A-DUP	BRE-G-109A	BRE-G-109A-DUP	BRE-G-MW109B	BRE-G-109B	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/03/2004	08/02/2004	08/02/2004	08/03/2004	08/02/2004	08/10/2004	08/10/2004
				Sample Purpose	DUP	FS	DUP	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L	<3900.00			<3900.00		<3900.00		<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L	<6900			<6900		<6900		<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L			0.0940 B	0.120 B	<0.0900	<0.0900	<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L			0.120 J	0.110 J	0.25	<0.0590	<0.0590	<0.0590
Barium	7440-39-3	N	UG/L			11.8	11.7	11	24	3.80 J	
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970	<0.970	<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760
Chromium	7440-47-3	N	UG/L			0.550 B	0.510 B	0.610 B	0.860 B	0.760 B	
Cobalt	7440-48-4	N	UG/L		<2.00	<2.00	<2.00	<2.00	4.00 J	<2.00	
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	0.0290 J	<0.0280	
Nickel	7440-02-0	N	UG/L		<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90	<5.90	<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L			2.00 J	<1.60	1.70 J	<1.60	<1.60	<1.60
Zinc	7440-66-6	N	UG/L		<4.80	<4.80	<4.80	<4.80	5.70 J	<4.80	
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L		<40.0	<40.0	<40.0	<40.0			
Total Kjeldahl Nitrogen	C021	N	UG/L		<500	<500	<500	<500			
Ammonia	7664-41-7	N	UG/L		<110	<110	<110	<110			

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Analyte	CAS No.	Filtered	Units	Location ID	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	13543153	13543156	13422183	13422185	13515703	13541128	13541130
				Sample Name	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/11/2004	08/11/2004	07/29/2004	07/29/2004	08/10/2004	08/10/2004	08/10/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	0.9 J
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 UJ
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0 UJ
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0 UJ
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Benzene	71-43-2	N	UG/L		<0.1	<0.1	3.2	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1 UJ
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L				<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10 UJ
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	13543153	13543156	13422183	13422185	13515703	13541128	13541130
				Sample Name	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/11/2004	08/11/2004	07/29/2004	07/29/2004	08/10/2004	08/10/2004	08/10/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	0.2 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ
Trichloroethene	79-01-6	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	3.8 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 UJ
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	0.28	<0.010	<0.010	<0.010	<0.010 UJ
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<6	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1 R	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 R	<10 UJ	<10 UJ	<11 R	<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<6	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<20	<19	<19	<22	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	13543153	13543156	13422183	13422185	13515703	13541128	13541130
				Sample Name	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/11/2004	08/11/2004	07/29/2004	07/29/2004	08/10/2004	08/10/2004	08/10/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<6	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10	<10	<11	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<6 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<6	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<11	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<20	<19	<19	<22	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1 UJ	<1	<1	<1 UJ	<1	<1
Benzidine	92-87-5	N	UG/L		<19	<20	<19	<19	<22	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6 R	<6	<6	<7	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<6	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	13543153	13543156	13422183	13422185	13515703	13541128	13541130
				Sample Name	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/11/2004	08/11/2004	07/29/2004	07/29/2004	08/10/2004	08/10/2004	08/10/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L				<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	12 J	<1	<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<6	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<57 R	<60 R	<57 R	<57 R	<67 R	<57 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	13543153	13543156	13422183	13422185	13515703	13541128	13541130
				Sample Name	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/11/2004	08/11/2004	07/29/2004	07/29/2004	08/10/2004	08/10/2004	08/10/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L				<3900.00	<3900.00	<3900.00	<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L				<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900	0.200 J	<0.0900	<0.0900	<0.0900	<0.0900	0.200 J
Arsenic	7440-38-2	N	UG/L		0.0920 J	0.54	0.84	0.21	0.0760 J	0.180 J	0.0920 J
Barium	7440-39-3	N	UG/L		27.1	7.5	7.20 J	10.10 J	14.5	48.4	18.1
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970 UJ	<0.970 UJ	<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	1.10 J	<0.760 UJ	<0.760 UJ	<0.760	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.500 J	1.2	0.680 B	1.70 B	0.700 B	4.8	0.940 B
Cobalt	7440-48-4	N	UG/L		<2.00	<2.00	<2.00 UJ	<2.00 UJ	<2.00	<2.00 UJ	<2.00 UJ
Copper	7440-50-8	N	UG/L		3.70 B	<2.70	3.30 B	9.00 B	<2.70	3.60 J	<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00 UJ	<10.00 UJ	<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280	<0.0280	<0.0280	<0.0280	<0.0280	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10	5.40 J	<3.10 UJ	<3.10 UJ	<3.10	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90 UJ	<5.90 UJ	<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00 UJ	<2.00 UJ	<2.00	4.10 B	<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	<0.130	<0.130	<0.130	0.410 J	<0.130
Tin	7440-31-5	N	UG/L		<5.00	12.60 J	<5.00 UJ	6.70 J	<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.60	4.10 J	<1.60 UJ	2.40 J	<1.60	5.30 J	<1.60 UJ
Zinc	7440-66-6	N	UG/L		<4.80	5.70 J	17.50 B	25.80 B	11.70 J	25.30 J	24.60 J
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B
				Field Sample ID	13541132	13417086	13417088	13417077	13417079	13417081	13417083
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B
				Date Sampled	08/10/2004	07/27/2004	07/27/2004	07/27/2004	07/27/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,1,1-Trichloroethane	71-55-6	N	UG/L		0.6 J	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		13 J	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,1,2-Trichloroethane	79-00-5	N	UG/L		0.1 J	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3 UJ	<0.3	<0.3	<0.3	<0.3 UJ	<0.3 UJ	<0.3 UJ
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5 UJ	<0.5	<0.5	<0.5	<0.5 UJ	<0.5 UJ	<0.5 UJ
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0 UJ	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ
Acetone	67-64-1	N	UG/L		<3.0 UJ	<3.0	<3.0	<3.0	<3.0 UJ	<3.0 UJ	<3.0 UJ
Acetonitrile	75-05-8	N	UG/L		<7.0 UJ	<7.0	<7.0	<7.0	<7.0 UJ	<7.0 UJ	<7.0 UJ
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Bromoform	75-25-2	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Carbon Disulfide	75-15-0	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Chloroform	67-66-3	N	UG/L		10 J	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Chloroprene	126-99-8	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
cis-1,2 Dichloroethene	156-59-2	N	UG/L		7.5 J	<0.1	<0.1	0.2 J	2.9 J	1.4 J	0.4 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1 UJ	<0.1	<0.1	0.3 J	<0.1 UJ	<0.1 UJ	<0.1 UJ
Ethyl Chloride	75-00-3	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Isobutyl Alcohol	78-83-1	N	UG/L		<10 UJ	<10	<10	<10	<10 UJ	<10 UJ	<10 UJ
Methacrylonitrile	126-98-7	N	UG/L		<1.0 UJ	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ
Methyl Bromide	74-83-9	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Methyl Chloride	74-87-3	N	UG/L		<0.1 UJ	<0.1	<0.1	0.1 J	<0.1 UJ	<0.1 UJ	<0.1 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B
				Field Sample ID	13541132	13417086	13417088	13417077	13417079	13417081	13417083
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B
				Date Sampled	08/10/2004	07/27/2004	07/27/2004	07/27/2004	07/27/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0 UJ	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0 UJ	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ
Methyl Methacrylate	80-62-6	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Methylene Bromide	74-95-3	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Methylene Chloride	75-09-2	N	UG/L		<0.2 UJ	<0.2	<0.2	<0.2	<0.2 UJ	<0.2 UJ	<0.2 UJ
Pentachloroethane	76-01-7	N	UG/L		<0.2 UJ	<0.2	<0.2	<0.2	<0.2 UJ	<0.2 UJ	<0.2 UJ
Propionitrile	107-12-0	N	UG/L		<2.0 UJ	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		3.7 J	<0.1	<0.1	<0.1	0.1 J	0.2 J	<0.1 UJ
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		1 J	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0 UJ	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ
Trichloroethene	79-01-6	N	UG/L		68	<0.1	<0.1	<0.1	5.9 J	7.9 J	1.8 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1 UJ	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	0.1 J
Vinyl Acetate	108-05-4	N	UG/L		<0.2 UJ	<0.2	<0.2	<0.2	<0.2 UJ	<0.2 UJ	<0.2 UJ
Vinyl Chloride	75-01-4	N	UG/L		<0.010 UJ	<0.010	<0.010	0.049 J	<0.010 UJ	<0.010 UJ	<0.010 UJ
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<21	<19	<19	<19	<19	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B
				Field Sample ID	13541132	13417086	13417088	13417077	13417079	13417081	13417083
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B
				Date Sampled	08/10/2004	07/27/2004	07/27/2004	07/27/2004	07/27/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<21	<19	<19	<19	<19	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzidine	92-87-5	N	UG/L		<21	<19	<19	<19	<19	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6	<6	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B
				Field Sample ID	13541132	13417086	13417088	13417077	13417079	13417081	13417083
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B
				Date Sampled	08/10/2004	07/27/2004	07/27/2004	07/27/2004	07/27/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<62 R	<58 R	<57 R	<57 R	<58 R	<58 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B
				Field Sample ID	13541132	13417086	13417088	13417077	13417079	13417081	13417083
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B
				Date Sampled	08/10/2004	07/27/2004	07/27/2004	07/27/2004	07/27/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900	<0.0900	<0.0900	<0.0900	<0.0900	<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L		0.0880 J	0.0650 B	<0.0590	0.66	0.0870 B	<0.0590	0.110 J
Barium	7440-39-3	N	UG/L		3.10 B	29.40 J	11.90 J	154	12.9	12.7	42.6
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970 UJ	<0.970 UJ	<0.970	<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760 UJ	<0.760 UJ	<0.760	<0.760	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.690 B	0.850 B	0.730 B	1.50 B	1.30 B	1.20 B	0.700 B
Cobalt	7440-48-4	N	UG/L		<2.00 UJ	<2.00 UJ	<2.00 UJ	2.20 J	<2.00	<2.00	<2.00
Copper	7440-50-8	N	UG/L		<2.70	<2.70 UJ	<2.70 UJ	<2.70	<2.70	<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00 UJ	<10.00 UJ	<10.00	<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280	<0.0280	<0.0280	<0.0280	<0.0280	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10	<3.10 UJ	<3.10 UJ	4.00 J	<3.10	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90 UJ	8.30 J	10.2	<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00 UJ	<2.00 UJ	<2.00	<2.00	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00	5.30 J	6.00 J	5.90 J	6.90 J	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.60 UJ	1.60 J	<1.60 UJ	2.30 J	2.40 J	<1.60	<1.60
Zinc	7440-66-6	N	UG/L		<4.80	12.10 B	<4.80 UJ	9.20 B	17.50 B	5.50 J	5.40 J
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW206B	MW207A	MW207A	MW207B	MW207B	MW209A
				Field Sample ID	13417084	13447542	13506338	13447544	13506341	13497205
				Sample Name	BRE-G-MW206B-DUP	BRE-G-MW207A	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW207B	BRE-G-MW209A
				Date Sampled	07/28/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/04/2004
				Sample Purpose	DUP	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3 UJ		<0.3		<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5 UJ		<0.5		<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1		<1		<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1		<1		<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1		<1		<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0 UJ		<3.0		<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0 UJ		<7.0		<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40		<40		<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4		<4		<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1		<0.1		<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.5 J		<0.1		<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200		<5200		<5200
Iodomethane	74-88-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10 UJ		<10		<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW206B	MW207A	MW207A	MW207B	MW207B	MW209A
				Field Sample ID	13417084	13447542	13506338	13447544	13506341	13497205
				Sample Name	BRE-G-MW206B-DUP	BRE-G-MW207A	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW207B	BRE-G-MW209A
				Date Sampled	07/28/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/04/2004
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0 UJ		<1.0		<1.0	1.9 J
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0 UJ		<2.0		<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1		<0.1		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		2.1 J		<0.1		<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010 UJ		<0.010		<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2		<2		<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1		<1		<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1		<1		<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5		<5		<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2		<2		<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1		<1		<1	2 J
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ		<10 R		<10 R	<10 R
1-Methylnaphthalene	90-12-0	N	UG/L		<1		<1		<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5		<5		<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2		<2		<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1		<1		<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1		<1		<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1		<1		<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1		<1		<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19		<19		<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1		<1		<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2		<2		<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1		<1		<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2		<2		<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1		<1		<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1		<1		<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1		<1		<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1		<1		<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW206B	MW207A	MW207A	MW207B	MW207B	MW209A
				Field Sample ID	13417084	13447542	13506338	13447544	13506341	13497205
				Sample Name	BRE-G-MW206B-DUP	BRE-G-MW207A	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW207B	BRE-G-MW209A
				Date Sampled	07/28/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/04/2004
				Sample Purpose	DUP	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5		<5		<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1		<1		<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1		<1		<1	<1
2-Picoline	109-06-8	N	UG/L		<2		<2		<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1		<1		<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10		<10		<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2		<2		<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1		<1		<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ		<5 UJ		<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5		<5		<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2		<2		<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1		<1		<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1		<1		<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1		<1		<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1		<1		<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2		<2		<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2		<2		<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1		<1		<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10		<10		<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19		<19		<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3		<3		<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2		<2		<2	<2
Acenaphthene	83-32-9	N	UG/L		<1		<1		<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1		<1		<1	<1
Acetophenone	98-86-2	N	UG/L		<2		<2		<2	<2
Aniline	62-53-3	N	UG/L		<1		<1		<1	<1
Anthracene	120-12-7	N	UG/L		<1		<1		<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1		<1		<1	<1
Benzidine	92-87-5	N	UG/L		<19		<19		<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1		<1		<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1		<1		<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1		<1		<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1		<1		<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1		<1		<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6		<6		<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5		<5		<5	<5
Biphenyl	92-52-4	N	UG/L		<1		<1		<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1		<1		<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1		<1		<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1		<1		<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2		<2		<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2		<2		<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW206B	MW207A	MW207A	MW207B	MW207B	MW209A
				Field Sample ID	13417084	13447542	13506338	13447544	13506341	13497205
				Sample Name	BRE-G-MW206B-DUP	BRE-G-MW207A	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW207B	BRE-G-MW209A
				Date Sampled	07/28/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/04/2004
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1		<1		<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3		<3		<3	<3
Chrysene	218-01-9	N	UG/L		<1		<1		<1	<1
Diallate	2303-16-4	N	UG/L		<1		<1		<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1		<1		<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1		<1		<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2		<2		<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200		<4200		<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2		<2		<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2		<2		<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1		<1		<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2		<2		<2	<2
Fluoranthene	206-44-0	N	UG/L		<1		<1		<1	<1
Fluorene	86-73-7	N	UG/L		<1		<1		<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1		<1		<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1		<1		<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5		<5		<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1		<1		<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2		<2		<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1		<1		<1	<1
Isodrin	465-73-6	N	UG/L		<1		<1		<1	<1
Isophorone	78-59-1	N	UG/L		<1		<1		<1	<1
Isosafrole	120-58-1	N	UG/L		<1		<1		<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R		<3 R		<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1		<1		<1	<1
Naphthalene	91-20-3	N	UG/L		<1		<1		<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2		<2		<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1		<1		<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2		<2		<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2		<2		<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2		<2		<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2		<2		<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1		<1		<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2		<2		<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2		<2		<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2		<2		<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2		<2		<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2		<2		<2	<2
O-Toluidine	95-53-4	N	UG/L		<1		<1		<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<57 R		<57 R		<57 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2		<2		<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2		<2		<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW206B	MW207A	MW207A	MW207B	MW207B	MW209A
				Field Sample ID	13417084	13447542	13506338	13447544	13506341	13497205
				Sample Name	BRE-G-MW206B-DUP	BRE-G-MW207A	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW207B	BRE-G-MW209A
				Date Sampled	07/28/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/04/2004
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3		<3		<3	<3
Phenacetin	62-44-2	N	UG/L		<2		<2		<2	<2
Phenanthrene	85-01-8	N	UG/L		<1		<1		<1	<1
Phenol	108-95-2	N	UG/L		<1		<1		<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00		<3900.00		<3900.00
Pyrene	129-00-0	N	UG/L		<1		<1		<1	<1
Pyridine	110-86-1	N	UG/L		<2		<2		<2	<2
Safrole	94-59-7	N	UG/L		<2		<2		<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1		<1		<1	<1
Thionazin	297-97-2	N	UG/L		<2		<2		<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900		<6900		<6900
Dimethoate	60-51-5	N	UG/L		<3		<3		<3	<3
Pronamide	23950-58-5	N	UG/L		<1		<1		<1	<1
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		0.0970 J		<0.0900		<0.0900	0.0970 B
Arsenic	7440-38-2	N	UG/L		0.130 J		0.160 J		0.190 J	1.90 J
Barium	7440-39-3	N	UG/L		42.9		33.6		22.6	57
Beryllium	7440-41-7	N	UG/L		<0.970		<0.970		<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760		<0.760		<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.660 B		0.550 B		0.490 B	4.5
Cobalt	7440-48-4	N	UG/L		<2.00		<2.00		<2.00	4.90 J
Copper	7440-50-8	N	UG/L		<2.70		<2.70		<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00		<10.00		<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280		<0.0280 UJ		<0.0280 UJ	<0.0280 UJ
Nickel	7440-02-0	N	UG/L		<3.10		<3.10		<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90		<5.90		<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00		<2.00		<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130		<0.130		<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00		<5.00		<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.60		<1.60		<1.60	3.40 J
Zinc	7440-66-6	N	UG/L		66.5		<4.80		86	<4.80
<i>Miscellaneous</i>										
Nitrate/Nitrite Nitrogen	C005	N	UG/L				490		630	<40.0
Total Kjeldahl Nitrogen	C021	N	UG/L				<500		<500	8900.00
Ammonia	7664-41-7	N	UG/L				<110		<110	6800.00

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Analyte	CAS No.	Filtered	Units	Location ID	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A
				Field Sample ID	13497208	13497202	13497211	13403743	13403745	13403747	13403749
				Sample Name	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A
				Date Sampled	08/04/2004	08/03/2004	08/03/2004	07/26/2004	07/26/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	0.3 J	<0.1 UJ	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	2.0 J	1.4	<0.1 UJ	<0.1 UJ	0.2 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	0.2 J	0.3 J	<0.1 UJ	<0.1 UJ	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3 UJ	<0.3	<0.3 UJ	<0.3 UJ	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5 UJ	<0.5	<0.5 UJ	<0.5 UJ	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0 UJ	<1.0	<1.0 UJ	<1.0 UJ	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0 UJ	<3.0	<3.0 UJ	<3.0 UJ	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0 UJ	<7.0	<7.0 UJ	<7.0 UJ	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Benzene	71-43-2	N	UG/L		0.2 J	<0.1	1.2	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	1.8 J	<0.1	<0.1 UJ	0.5 J	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	0.4 J	0.2 J	0.2 J	<0.1 UJ	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	1.8 J	0.1 J	0.3 J	0.3 J	1.3
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	0.6 J	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		0.3 J	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10 UJ	<10	<10 UJ	<10 UJ	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0 UJ	<1.0	<1.0 UJ	<1.0 UJ	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Methyl Chloride	74-87-3	N	UG/L		0.2 J	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	0.1 J

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Analyte	CAS No.	Filtered	Units	Location ID	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A
				Field Sample ID	13497208	13497202	13497211	13403743	13403745	13403747	13403749
				Sample Name	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A
				Date Sampled	08/04/2004	08/03/2004	08/03/2004	07/26/2004	07/26/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0 UJ	<1.0	<1.0 UJ	<1.0 UJ	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0 UJ	<1.0	<1.0 UJ	<1.0 UJ	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2 UJ	<0.2	<0.2 UJ	<0.2 UJ	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2 UJ	<0.2	<0.2 UJ	<0.2 UJ	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	2.4 J	0.3 J	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1 UJ	<0.1	<0.1 UJ	<0.1 UJ	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0 UJ	<1.0	<1.0 UJ	<1.0 UJ	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	1.9 J	<0.1	33	8.7 J	0.5
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1 UJ	0.1 J	<0.1 UJ	<0.1 UJ	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2 UJ	<0.2	<0.2 UJ	<0.2 UJ	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	0.79 J	0.013 J	<0.010 UJ	<0.010 UJ	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		23	2 J	22	<1	<1	<1	3 J
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 R	<10 R	<10 UJ	<10 UJ	<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<19	<20	<19	<19	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A
				Field Sample ID	13497208	13497202	13497211	13403743	13403745	13403747	13403749
				Sample Name	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A
				Date Sampled	08/04/2004	08/03/2004	08/03/2004	07/26/2004	07/26/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<19	<20	<19	<19	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1 UJ	<1	<1	<1	<1
Benzidine	92-87-5	N	UG/L		<19	<19	<20	<19	<19	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6 R	<6	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	10	<1	<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1 UJ	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	8 J	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A
				Field Sample ID	13497208	13497202	13497211	13403743	13403745	13403747	13403749
				Sample Name	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A
				Date Sampled	08/04/2004	08/03/2004	08/03/2004	07/26/2004	07/26/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		18 J	<1	390 J	<1	<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1 R	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2 UJ	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<57 R	<57 R	<60 R	<57 R	<58 R	<58 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A
				Field Sample ID	13497208	13497202	13497211	13403743	13403745	13403747	13403749
				Sample Name	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A
				Date Sampled	08/04/2004	08/03/2004	08/03/2004	07/26/2004	07/26/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		0.110 B	<0.0900	0.230 B	<0.0900	<0.0900	0.690 B	<0.0900
Arsenic	7440-38-2	N	UG/L		7.80 J	1.20 J	2.20 J	1.4	0.96	0.46	1.6
Barium	7440-39-3	N	UG/L		24	26.10 J	11.8	46.9	67.6	39.7	11.9
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970 UJ	<0.970	<0.970	<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760 UJ	<0.760	2.10 J	<0.760	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.880 B	0.400 B	0.610 B	0.650 B	0.540 B	2.00 B	1.10 B
Cobalt	7440-48-4	N	UG/L		2.50 J	2.90 J	2.00 J	<2.00	<2.00	<2.00	9.6
Copper	7440-50-8	N	UG/L		<2.70	<2.70 UJ	4.30 J	<2.70	<2.70	4.80 J	<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00 UJ	<10.00	<10.00	<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280 UJ	<0.0280 UJ	<0.0280 UJ	<0.0280	<0.0280	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10	<3.10 UJ	<3.10	<3.10	<3.10	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90 UJ	<5.90	<5.90	<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00 UJ	<2.00	<2.00	<2.00	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	<0.130	0.280 J	0.150 J	0.440 J	<0.130
Tin	7440-31-5	N	UG/L		<5.00	<5.00 UJ	<5.00	<5.00	<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.60	<1.60 UJ	<1.60	<1.60	<1.60	2.90 J	<1.60
Zinc	7440-66-6	N	UG/L		26.7	6.10 B	6.30 B	8.50 J	18.60 J	26.6	42.3
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L			<40.0					
Total Kjeldahl Nitrogen	C021	N	UG/L			<500					
Ammonia	7664-41-7	N	UG/L			<110					

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Analyte	CAS No.	Filtered	Units	Location ID	MW212B	MW213	MW213	MW214	MW214	MW215	MW216A
				Field Sample ID	13403751	13408765	13520506	13408767	13520509	13403761	13403757
				Sample Name	BRE-G-MW212B	BRE-G-MW213	BRE-G-213	BRE-G-MW214	BRE-G-214	BRE-G-MW215	BRE-G-MW216A
				Date Sampled	07/26/2004	07/23/2004	07/23/2004	07/23/2004	07/23/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		0.1 J		<0.1		0.3 J	0.2 J	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		0.1 J		<0.1		<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3 UJ		<0.3		<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5 UJ		<0.5		<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1		<0.9		<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1 UJ		<0.1		0.3 J	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1		<0.9		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1		<0.9		<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0 UJ		<3.0		<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0 UJ		<7.0		<7.0	<7.0 UJ	<7.0
Acrolein	107-02-8	N	UG/L		<40		<40		<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4		<4		<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.1 J		<0.1		1	0.3 J	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		0.2 J	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		5.0 J		<0.1		1.8	0.3 J	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1 UJ		0.5		1.5	0.5	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1	0.3 J	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200		<5200		<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10 UJ		<10		<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW212B	MW213	MW213	MW214	MW214	MW215	MW216A
				Field Sample ID	13403751	13408765	13520506	13408767	13520509	13403761	13403757
				Sample Name	BRE-G-MW212B	BRE-G-MW213	BRE-G-213	BRE-G-MW214	BRE-G-214	BRE-G-MW215	BRE-G-MW216A
				Date Sampled	07/26/2004	07/23/2004	07/23/2004	07/23/2004	07/23/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0 UJ		<2.0		<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.2 J		<0.1		<0.1	<0.1	0.2 J
Toluene	108-88-3	N	UG/L		<0.1		<0.1		0.1 J	0.3 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1 UJ		<0.1		0.3 J	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0 UJ		<1.0		<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		3.9 J		<0.1		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1 UJ		<0.1		<0.1	<0.1	5.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2 UJ		<0.2		<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.16 J		0.10		1.1	0.58	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1	0.6	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2		<2		<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1		<0.9		<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1		<0.9		<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5		<5		<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2		<2		<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		6		2 J		24	5	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ		<9 UJ		<10 UJ	<10 R	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1		<0.9		<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5		<5		<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2		<2		<2	<2 R	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1		<0.9		<1	<1 R	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1		<0.9		<1	<1 R	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1		<0.9		<1	<1 R	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1		<0.9		<1	<1 R	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19		<19		<19	<20 R	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1		<0.9		<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2		<2		<2	<2 R	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1		<0.9		<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2		<2		<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1		<0.9		<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1		<0.9		<1	<1 R	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1		<0.9		<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1		<0.9		<1	<1 R	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW212B	MW213	MW213	MW214	MW214	MW215	MW216A
				Field Sample ID	13403751	13408765	13520506	13408767	13520509	13403761	13403757
				Sample Name	BRE-G-MW212B	BRE-G-MW213	BRE-G-213	BRE-G-MW214	BRE-G-214	BRE-G-MW215	BRE-G-MW216A
				Date Sampled	07/26/2004	07/23/2004	07/23/2004	07/23/2004	07/23/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5		<5		<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1		<0.9		<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1		<0.9		<1	<1 R	<1
2-Picoline	109-06-8	N	UG/L		<2		<2		<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1		<0.9		<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10		<9		<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2		<2		<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1		<0.9		<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ		<5 UJ		<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5		<5		<5	<5 R	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2		<2		<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1		<0.9		<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1		<0.9		<1	<1 R	<1
4-Chloroaniline	106-47-8	N	UG/L		<1		<0.9		<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1		<0.9		<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2		<2		<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2		<2		<2	<2 R	<2
4-Nitroaniline	100-01-6	N	UG/L		<1		<0.9		<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10		<9		<10	<10 R	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19		<19		<19	<20	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3		<3		<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2		<2		<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1		<0.9		<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1		<0.9		<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2		<2		<2	<2	<2
Aniline	62-53-3	N	UG/L		<1		<0.9		<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1		<0.9		<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1		<0.9		<1	<1 UJ	<1
Benzidine	92-87-5	N	UG/L		<19		<19		<19	<20	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1		<0.9		<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1		<0.9		<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1		<0.9		<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1		<0.9		<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1		<0.9		<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6		<6		<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5		<5		<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1		<0.9		<1	32	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1		<0.9		<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1		<0.9		<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1		<0.9		<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2		<2		<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2		<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW212B	MW213	MW213	MW214	MW214	MW215	MW216A
				Field Sample ID	13403751	13408765	13520506	13408767	13520509	13403761	13403757
				Sample Name	BRE-G-MW212B	BRE-G-MW213	BRE-G-213	BRE-G-MW214	BRE-G-214	BRE-G-MW215	BRE-G-MW216A
				Date Sampled	07/26/2004	07/23/2004	07/23/2004	07/23/2004	07/23/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1		<0.9		<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3		<3		<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1		<0.9		<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1		<0.9		<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1		<0.9		<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1		<0.9		<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2		<2		<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200		<4200		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2		<2		<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2		<2		<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		4 J		9 J		6 J	180	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2		<2		<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1		<0.9		<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1		<0.9		<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1		<0.9		<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1		<0.9		<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5		<5		<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1		<0.9		<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2		<2		<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1		<0.9		<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1		<0.9		<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1		<0.9		<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1		<0.9		<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R		<3 R		<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1		<0.9		<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1		<0.9		1 J	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2		<2		<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1		<0.9		<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2		<2		<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1		<0.9		<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2		<2		<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2		<2		<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1		<0.9		<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<57 R		<57 R		<57 R	<60 R	<58 R
Pentachlorobenzene	608-93-5	N	UG/L		<2		<2		<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2		<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW212B	MW213	MW213	MW214	MW214	MW215	MW216A
				Field Sample ID	13403751	13408765	13520506	13408767	13520509	13403761	13403757
				Sample Name	BRE-G-MW212B	BRE-G-MW213	BRE-G-213	BRE-G-MW214	BRE-G-214	BRE-G-MW215	BRE-G-MW216A
				Date Sampled	07/26/2004	07/23/2004	07/23/2004	07/23/2004	07/23/2004	07/26/2004	07/26/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3		<3		<3	<3 R	<3
Phenacetin	62-44-2	N	UG/L		<2		<2		<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1		<0.9		<1	<1	<1
Phenol	108-95-2	N	UG/L		<1		<0.9		<1	<1 R	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00		<3900.00		<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1		<0.9		<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2		<2		<2	<2	<2
Safrole	94-59-7	N	UG/L		<2		<2		<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1		<0.9		<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2		<2		<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900		<6900		<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3		<3		<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1		<0.9		<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900		<0.0900 UJ		0.230 J	<0.0900	0.280 B
Arsenic	7440-38-2	N	UG/L		2.5		0.880 J		3.70 J	3.9	0.35
Barium	7440-39-3	N	UG/L		6.3		26.2		46.6	26.2	20.8
Beryllium	7440-41-7	N	UG/L		1.20 J		<0.970		<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760		<0.760		2.30 B	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		1.20 B		0.710 B		0.880 B	1.00 B	0.910 B
Cobalt	7440-48-4	N	UG/L		<2.00		3.30 J		24.9	120	<2.00
Copper	7440-50-8	N	UG/L		<2.70		<2.70		<2.70	<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00		<10.00		<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280		<0.0280 UJ		<0.0280 UJ	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10		<3.10		3.10 J	5.40 J	<3.10
Selenium	7782-49-2	N	UG/L		7.10 J		<5.90		<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00		<2.00		<2.00	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130		<0.130		<0.130	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00		<5.00		<5.00	<5.00	<5.00
Vanadium	7440-62-2	N	UG/L		<1.60		<1.60 UJ		<1.60 UJ	<1.60	<1.60
Zinc	7440-66-6	N	UG/L		10.0 J		7.30 J		18.80 J	8.80 J	74.5
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW216B	MW217A	MW217A	MW217B	MW217B	MW219A	MW219B
				Field Sample ID	13403759	13403753	13475975	13403755	13475978	13447648	13447650
				Sample Name	BRE-G-MW216B	BRE-G-MW217A	BRE-G-MW217A	BRE-G-MW217B	BRE-G-MW217B	BRE-G-MW219A	BRE-G-MW219B
				Date Sampled	07/26/2004	07/26/2004	07/27/2004	07/26/2004	07/27/2004	08/05/2004	08/05/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1		<0.1		<0.1	1.2	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	0.4 J
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3		<0.3		<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5		<0.5		<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1		<1		<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1		<1		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1		<1		<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0		<3.0		<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0		<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40		<40		<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4		<4		<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1		<0.1		<0.1	0.9	0.9
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200		<5200		<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10		<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW216B	MW217A	MW217A	MW217B	MW217B	MW219A	MW219B
				Field Sample ID	13403759	13403753	13475975	13403755	13475978	13447648	13447650
				Sample Name	BRE-G-MW216B	BRE-G-MW217A	BRE-G-MW217A	BRE-G-MW217B	BRE-G-MW217B	BRE-G-MW219A	BRE-G-MW219B
				Date Sampled	07/26/2004	07/26/2004	07/27/2004	07/26/2004	07/27/2004	08/05/2004	08/05/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0		<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	0.2 J
Toluene	108-88-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	0.5
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1		<0.1	0.3 J	0.4 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		0.2 J		<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010		<0.010		0.011 J	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2		<2		<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1		<1		<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1		<1		<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5		<5		<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2		<2		<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1		<1		<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ		<10 UJ		<10 UJ	<10 R	<10 R
1-Methylnaphthalene	90-12-0	N	UG/L		<1		<1		<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5		<5		<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2		<2		<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1		<1		<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1		<1		<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1		<1		<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1		<1		<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19		<19		<19	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1		<1		<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2		<2		<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1		<1		<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2		<2		<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1		<1		<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1		<1		<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1		<1		<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1		<1		<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW216B	MW217A	MW217A	MW217B	MW217B	MW219A	MW219B
				Field Sample ID	13403759	13403753	13475975	13403755	13475978	13447648	13447650
				Sample Name	BRE-G-MW216B	BRE-G-MW217A	BRE-G-MW217A	BRE-G-MW217B	BRE-G-MW217B	BRE-G-MW219A	BRE-G-MW219B
				Date Sampled	07/26/2004	07/26/2004	07/27/2004	07/26/2004	07/27/2004	08/05/2004	08/05/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5		<5		<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1		<1		<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1		<1		<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2		<2		<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1		<1		<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10		<10		<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2		<2		<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1		<1		<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ		<5 UJ		<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5		<5		<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2		<2		<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1		<1		<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1		<1		<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1		<1		<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1		<1		<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2		<2		<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2		<2		<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1		<1		<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10		<10		<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19		<19		<19	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3		<3		<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2		<2		<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1		<1		<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1		<1		<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2		<2		<2	<2	<2
Aniline	62-53-3	N	UG/L		<1		<1		<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1		<1		<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1		<1		<1	<1	<1
Benzidine	92-87-5	N	UG/L		<19		<19		<19	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1		<1		<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1		<1		<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1		<1		<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1		<1		<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1		<1		<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6		<6		<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5		<5		<5	<5	<5
Biphenyl	92-52-4	N	UG/L		17		<1		<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1		<1		<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1		<1		<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1		<1		<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2		<2		<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2		<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW216B	MW217A	MW217A	MW217B	MW217B	MW219A	MW219B
				Field Sample ID	13403759	13403753	13475975	13403755	13475978	13447648	13447650
				Sample Name	BRE-G-MW216B	BRE-G-MW217A	BRE-G-MW217A	BRE-G-MW217B	BRE-G-MW217B	BRE-G-MW219A	BRE-G-MW219B
				Date Sampled	07/26/2004	07/26/2004	07/27/2004	07/26/2004	07/27/2004	08/05/2004	08/05/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1		<1		<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3		<3		<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1		<1		<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1		<1		<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1		<1		<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1		<1		<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2		<2		<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200		<4200		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2		<2		<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2		<2		<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		64		<1		<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2		<2		<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1		<1		<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1		<1		<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1		<1		<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1		<1		<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5		<5		<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1		<1		<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2		<2		<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1		<1		<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1		<1		<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1		<1		<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1		<1		<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R		<3 R		<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1		<1		<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1		<1		<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2		<2		<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1		<1		<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2		<2		<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1		<1		<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2		<2		<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2		<2		<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2		<2		<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1		<1		<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<58 R		<57 R		<58 R	<57 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2		<2		<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2		<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW216B	MW217A	MW217A	MW217B	MW217B	MW219A	MW219B
				Field Sample ID	13403759	13403753	13475975	13403755	13475978	13447648	13447650
				Sample Name	BRE-G-MW216B	BRE-G-MW217A	BRE-G-MW217A	BRE-G-MW217B	BRE-G-MW217B	BRE-G-MW219A	BRE-G-MW219B
				Date Sampled	07/26/2004	07/26/2004	07/27/2004	07/26/2004	07/27/2004	08/05/2004	08/05/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3		<3		<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2		<2		<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1		<1		<1	<1	<1
Phenol	108-95-2	N	UG/L		1 J		<1		<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00		<3900.00		<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1		<1		<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2		<2		<2	<2	<2
Safrole	94-59-7	N	UG/L		<2		<2		<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1		<1		<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2		<2		<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900		<6900		<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3		<3		<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1		<1		<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		0.170 B		0.0940 B		<0.0900	<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L		0.3		0.230 B		0.92	0.36	0.0770 J
Barium	7440-39-3	N	UG/L		4.70 J		41.1		19	126	5.2
Beryllium	7440-41-7	N	UG/L		<0.970		<0.970		<0.970	<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760		<0.760		<0.760	<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.600 B		0.540 B		1.10 B	0.410 B	0.630 B
Cobalt	7440-48-4	N	UG/L		<2.00		<2.00		<2.00	<2.00	<2.00
Copper	7440-50-8	N	UG/L		<2.70		<2.70		2.80 B	<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00		<10.00		<10.00	<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280		<0.0280		<0.0280	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10		<3.10		<3.10	<3.10	<3.10
Selenium	7782-49-2	N	UG/L		7.90 J		<5.90		<5.90	<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00		<2.00		<2.00	<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130		0.480 J		0.480 J	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00		21		<5.00	<5.00	7.20 J
Vanadium	7440-62-2	N	UG/L		<1.60		<1.60		<1.60	<1.60	<1.60
Zinc	7440-66-6	N	UG/L		6.50 J		5.50 B		23.30 B	8.40 B	6.20 B
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW221A	MW221B	MW222A	MW222B	MW222B	MW223A	MW223B
				Field Sample ID	13541134	13541136	13541142	13541138	13609139	13422187	13422189
				Sample Name	BRE-G-MW221A	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B
				Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/09/2004	07/29/2004	07/29/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	1.8		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	3.1		<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3		<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1		<1	<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	2.1		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1		<1	<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	6.3	<3.0		<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0		<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40		<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4		<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	0.2 J	<0.1		<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	0.7	32		<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	0.1 J		<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200		<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10		<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW221A	MW221B	MW222A	MW222B	MW222B	MW223A	MW223B
				Field Sample ID	13541134	13541136	13541142	13541138	13609139	13422187	13422189
				Sample Name	BRE-G-MW221A	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B
				Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/09/2004	07/29/2004	07/29/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	1.9 J	<1.0		<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0		<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.2 J	0.9		<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	0.3 J	0.1 J		0.2 J	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	7.0		<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	0.9	6.2		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.11	12		0.089	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	0.3 J		<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2		<2	<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1		<1	<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1		<1	<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5		<5	<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2		<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1		<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ	<10 UJ	<10 UJ		<10 R	<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1		<1	<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5		<5	<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2		<2	<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1		<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1		<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1		<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1		<1	<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<19	<19		<21	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1		<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2		<2	<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1		<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2		<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1		<1	<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1		<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1		<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1		<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW221A	MW221B	MW222A	MW222B	MW222B	MW223A	MW223B
				Field Sample ID	13541134	13541136	13541142	13541138	13609139	13422187	13422189
				Sample Name	BRE-G-MW221A	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B
				Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/09/2004	07/29/2004	07/29/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5		<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1		<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1		<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2		<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1		<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10		<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2		<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1		<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ		<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5		<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2		<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1		<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1		<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1		<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1		<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2		<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2		<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1		<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10		<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<19	<19		<21	<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3		<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2		<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1		<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1		<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2		<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1		<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1		<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1		<1 UJ	<1	<1
Benzidine	92-87-5	N	UG/L		<20	<19	<19		<21	<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1		<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1		<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1		<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1		<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1		<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6		<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5		<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	<1		<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1		<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1		<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1		<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2		<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW221A	MW221B	MW222A	MW222B	MW222B	MW223A	MW223B
				Field Sample ID	13541134	13541136	13541142	13541138	13609139	13422187	13422189
				Sample Name	BRE-G-MW221A	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B
				Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/09/2004	07/29/2004	07/29/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1		<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3		<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1		<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1		<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1		<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1		<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2		<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2		<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	3 J		<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1		<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2		<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1		<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1		<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1		<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1		<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5		<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1		<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2		<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1		<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1		<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1		<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1		<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R		<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1		<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1		<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2		<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1		<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1		<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2		<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2		<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2		<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1		<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<61 R	<58 R	<57 R		<62 R	<57 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2		<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2		<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW221A	MW221B	MW222A	MW222B	MW222B	MW223A	MW223B
				Field Sample ID	13541134	13541136	13541142	13541138	13609139	13422187	13422189
				Sample Name	BRE-G-MW221A	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B
				Date Sampled	08/09/2004	08/09/2004	08/09/2004	08/09/2004	08/09/2004	07/29/2004	07/29/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3		<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2		<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1		<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1		<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00	<3900.00	<3900.00		<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1	<1		<1	<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2		<2	<2	<2
Safrole	94-59-7	N	UG/L		<2	<2	<2		<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1		<1	<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2		<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900		<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3	<3		<3	<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1		<1	<1	<1
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		0.0920 B	0.350 B	<0.0900		0.150 B	<0.0900	0.310 J
Arsenic	7440-38-2	N	UG/L		<0.0590	0.140 J	0.170 J		0.0880 J	<0.0590	0.0950 J
Barium	7440-39-3	N	UG/L		34.6	12	28.8		7.3	23.60 J	11.30 J
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970		<0.970	<0.970 UJ	<0.970 UJ
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760	<0.760		<0.760	<0.760 UJ	<0.760 UJ
Chromium	7440-47-3	N	UG/L		0.630 B	1.00 B	0.490 B		0.900 B	0.650 B	2.10 B
Cobalt	7440-48-4	N	UG/L		4.00 J	<2.00 UJ	4.90 J		<2.00 UJ	<2.00 UJ	<2.00 UJ
Copper	7440-50-8	N	UG/L		<2.70	30.5	<2.70		<2.70	3.40 B	3.90 B
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00		<10.00	<10.00 UJ	<10.00 UJ
Mercury	7439-97-6	N	UG/L		<0.0280	<0.0280	<0.0280		<0.0280	<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		<3.10	<3.10	3.50 J		<3.10	<3.10 UJ	<3.10 UJ
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90		<5.90	<5.90 UJ	<5.90 UJ
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00		<2.00	<2.00 UJ	<2.00 UJ
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	0.250 J		<0.130	<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00	<5.00	<5.00		<5.00	<5.00 UJ	<5.00 UJ
Vanadium	7440-62-2	N	UG/L		<1.60 UJ	<1.60 UJ	<1.60 UJ		<1.60 UJ	<1.60 UJ	<1.60 UJ
Zinc	7440-66-6	N	UG/L		<4.80	19.50 J	7.80 J		<4.80	17.70 B	15.10 B
<i>Miscellaneous</i>											
Nitrate/Nitrite Nitrogen	C005	N	UG/L								
Total Kjeldahl Nitrogen	C021	N	UG/L								
Ammonia	7664-41-7	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW224A	MW224B	MW224B	MW225A	MW225A	MW225B
				Field Sample ID	13417090	13417092	13417093	13541140	13609141	13609143
				Sample Name	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW224B-DUP	BRE-G-MW225A	BRE-G-MW225A-ACR	BRE-G-MW225B
				Date Sampled	07/28/2004	07/28/2004	07/28/2004	08/09/2004	08/09/2004	08/09/2004
				Sample Purpose	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	27		0.4 J
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	1.2		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5	<0.5	<0.5		<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1	<1	<1		<1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	0.2 J		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1	<1	<1		<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1	<1	<1		<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0		<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0		<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0		<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40		<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4		<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.5		<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	110		2.4
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	0.1 J		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200		<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10		<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0		<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW224A	MW224B	MW224B	MW225A	MW225A	MW225B
				Field Sample ID	13417090	13417092	13417093	13541140	13609141	13609143
				Sample Name	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW224B-DUP	BRE-G-MW225A	BRE-G-MW225A-ACR	BRE-G-MW225B
				Date Sampled	07/28/2004	07/28/2004	07/28/2004	08/09/2004	08/09/2004	08/09/2004
				Sample Purpose	FS	FS	DUP	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0		<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0		<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2		<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2		<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	4.5		0.3 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	21		0.7
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0		<1.0
Trichloroethene	79-01-6	N	UG/L		0.3 J	<0.1	<0.1	47		1.8
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	1.5		0.2 J
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	0.033 J		<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1		<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2	<2	<2		<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1	<1	<1		<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1	<1	<1		<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5		<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2		<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1		<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ	<10 UJ	<10 UJ	<10 UJ		<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1	<1	<1		<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5		<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2	<2	<2		<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1		<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1		<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1	<1	<1		<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<19	<19	<20		<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1		<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2	<2	<2		<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1		<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2		<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1	<1	<1		<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1		<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1		<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1		<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW224A	MW224B	MW224B	MW225A	MW225A	MW225B
				Field Sample ID	13417090	13417092	13417093	13541140	13609141	13609143
				Sample Name	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW224B-DUP	BRE-G-MW225A	BRE-G-MW225A-ACR	BRE-G-MW225B
				Date Sampled	07/28/2004	07/28/2004	07/28/2004	08/09/2004	08/09/2004	08/09/2004
				Sample Purpose	FS	FS	DUP	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5	<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1	<1	<1	<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2	<2	<2	<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1	<1	<1	<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<19	<19	<20	<20	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3	<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<1	<1	<1	<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1
Benzidine	92-87-5	N	UG/L		<19	<19	<19	<20	<20	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6	<6	<6	<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5	<5	<5	<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW224A	MW224B	MW224B	MW225A	MW225A	MW225B
				Field Sample ID	13417090	13417092	13417093	13541140	13609141	13609143
				Sample Name	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW224B-DUP	BRE-G-MW225A	BRE-G-MW225A-ACR	BRE-G-MW225B
				Date Sampled	07/28/2004	07/28/2004	07/28/2004	08/09/2004	08/09/2004	08/09/2004
				Sample Purpose	FS	FS	DUP	FS	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2	<2	<2	<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<1	<1	<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R	<3 R	<3 R	<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2	<2	<2	<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2	<2	<2	<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1	<1	<1	<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<58 R	<58 R	<57 R	<61 R	<58 R	<58 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2	<2	<2	<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW224A	MW224B	MW224B	MW225A	MW225A	MW225B
				Field Sample ID	13417090	13417092	13417093	13541140	13609141	13609143
				Sample Name	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW224B-DUP	BRE-G-MW225A	BRE-G-MW225A-ACR	BRE-G-MW225B
				Date Sampled	07/28/2004	07/28/2004	07/28/2004	08/09/2004	08/09/2004	08/09/2004
				Sample Purpose	FS	FS	DUP	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00	<3900.00	<3900.00		
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1		<1
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2		<2
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2		<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1		<1
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2		<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900		
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3		<3
Pronamide	23950-58-5	N	UG/L		<1	<1	<1	<1		<1
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<0.0900	0.160 J	0.130 J	0.130 B		<0.0900
Arsenic	7440-38-2	N	UG/L		0.0720 J	0.0600 J	0.120 J	0.160 J		0.0980 J
Barium	7440-39-3	N	UG/L		19.6	55.2	53.9	27.8		6.3
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970	<0.970	<0.970		<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760	1.30 J	<0.760		<0.760
Chromium	7440-47-3	N	UG/L		0.930 B	0.700 B	0.770 B	0.500 B		0.530 B
Cobalt	7440-48-4	N	UG/L		<2.00	2.10 J	<2.00	2.90 J		<2.00 UJ
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	<2.70		<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00	<10.00	<10.00		<10.00
Mercury	7439-97-6	N	UG/L		<0.0280	<0.0280	<0.0280	<0.0280		<0.0280
Nickel	7440-02-0	N	UG/L		<3.10	<3.10	<3.10	<3.10		<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90	<5.90	<5.90		<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00	<2.00	<2.00		<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130	<0.130	<0.130		<0.130
Tin	7440-31-5	N	UG/L		11.90 J	6.10 J	12.00 J	<5.00		<5.00
Vanadium	7440-62-2	N	UG/L		<1.60	<1.60	3.30 J	<1.60 UJ		<1.60 UJ
Zinc	7440-66-6	N	UG/L		5.80 J	19.30 J	6.10 J	<4.80		<4.80
<i>Miscellaneous</i>										
Nitrate/Nitrite Nitrogen	C005	N	UG/L							
Total Kjeldahl Nitrogen	C021	N	UG/L							
Ammonia	7664-41-7	N	UG/L							

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S10	R87-S10	R87-S11	R87-S11	R87-S11	R87-S11
				Field Sample ID	13403763	13475972	13417095	13417096	13490527	13490529
				Sample Name	BRE-G-MWR87-S10	BRE-G-MW-R87-S10	BRE-G-MWR87-S11	BRE-G-MWR87-S11-DUP	BRE-G-R87-S11	BRE-G-R87-S11-DUP
				Date Sampled	07/26/2004	07/26/2004	07/28/2004	07/28/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	DUP	FS	DUP
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1			<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1			<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1			<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1			<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1			<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1			<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3			<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.5			<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1			<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L			<1			<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1			<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1			<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L			<1			<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L			<1			<1	<1
2-Hexanone	591-78-6	N	UG/L			<1.0			<1.0	<1.0
Acetone	67-64-1	N	UG/L			<3.0			<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0			<7.0	<7.0
Acrolein	107-02-8	N	UG/L			<40			<40	<40
Acrylonitrile	107-13-1	N	UG/L			<4			<4	<4
Allyl Chloride	107-05-1	N	UG/L			<0.1			<0.1	<0.1
Benzene	71-43-2	N	UG/L			<0.1			<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L			<0.1			<0.1	<0.1
Bromoform	75-25-2	N	UG/L			<0.1			<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L			<0.1			<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1			<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L			<0.1			<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L			<0.1			<0.1	<0.1
Chloroform	67-66-3	N	UG/L			<0.1			<0.1	1.7
Chloroprene	126-99-8	N	UG/L			<0.1			<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1			<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1			<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1			<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L			<0.1			<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1			<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L			<0.1			<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200		<5200	<5200		
Iodomethane	74-88-4	N	UG/L			<0.1			<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10			<10	<10
Methacrylonitrile	126-98-7	N	UG/L			<1.0			<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L			<0.1			<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L			<0.1			<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S10	R87-S10	R87-S11	R87-S11	R87-S11	R87-S11
				Field Sample ID	13403763	13475972	13417095	13417096	13490527	13490529
				Sample Name	BRE-G-MWR87-S10	BRE-G-MW-R87-S10	BRE-G-MWR87-S11	BRE-G-MWR87-S11-DUP	BRE-G-R87-S11	BRE-G-R87-S11-DUP
				Date Sampled	07/26/2004	07/26/2004	07/28/2004	07/28/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	DUP	FS	DUP
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0			<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0			<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1			<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L			<0.1			<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L			<0.2			<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L			<0.2			<0.2	<0.2
Propionitrile	107-12-0	N	UG/L			<2.0			<2.0	<2.0
Styrene	100-42-5	N	UG/L			<0.1			<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L			<0.1			<0.1	<0.1
Toluene	108-88-3	N	UG/L			<0.1			<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1			<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1			<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0			<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L			<0.1			<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1			0.9	1
Vinyl Acetate	108-05-4	N	UG/L			<0.2			<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L			<0.010			<0.010	<0.010
Xylenes	1330-20-7	N	UG/L			<0.1			<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L			<2			<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L			<1			<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L			<1			<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L			<5			<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L			<2			<2	<2
1,4-Dioxane	123-91-1	N	UG/L			<1			<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L			<10 UJ			<10 UJ	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L			<1			<1	<1
1-Naphthylamine	134-32-7	N	UG/L			<5			<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L			<2			<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L			<1			<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L			<1			<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L			<1			<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L			<1			<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L			<19			<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L			<1			<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L			<2			<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L			<1			<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L			<2			<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L			<1			<1	<1
2-Chlorophenol	95-57-8	N	UG/L			<1			<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L			<1			<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L			<1			<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S10	R87-S10	R87-S11	R87-S11	R87-S11	R87-S11
				Field Sample ID	13403763	13475972	13417095	13417096	13490527	13490529
				Sample Name	BRE-G-MWR87-S10	BRE-G-MW-R87-S10	BRE-G-MWR87-S11	BRE-G-MWR87-S11-DUP	BRE-G-R87-S11	BRE-G-R87-S11-DUP
				Date Sampled	07/26/2004	07/26/2004	07/28/2004	07/28/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	DUP	FS	DUP
2-Naphthylamine	91-59-8	N	UG/L			<5			<5	<5
2-Nitroaniline	88-74-4	N	UG/L			<1			<1	<1
2-Nitrophenol	88-75-5	N	UG/L			<1			<1	<1
2-Picoline	109-06-8	N	UG/L			<2			<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L			<1			<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L			<10			<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L			<2			<2	<2
3-Nitroaniline	99-09-2	N	UG/L			<1			<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L			<5 UJ			<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L			<5			<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L			<2			<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L			<1			<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L			<1			<1	<1
4-Chloroaniline	106-47-8	N	UG/L			<1			<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L			<1			<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L			<2			<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L			<2			<2	<2
4-Nitroaniline	100-01-6	N	UG/L			<1			<1	<1
4-Nitrophenol	100-02-7	N	UG/L			<10			<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L			<19			<19	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L			<3			<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L			<2			<2	<2
Acenaphthene	83-32-9	N	UG/L			<1			<1	<1
Acenaphthylene	208-96-8	N	UG/L			<1			<1	<1
Acetophenone	98-86-2	N	UG/L			<2			<2	<2
Aniline	62-53-3	N	UG/L			<1			<1	<1
Anthracene	120-12-7	N	UG/L			<1			<1	<1
Benzaldehyde	100-52-7	N	UG/L			<1			<1	<1
Benzidine	92-87-5	N	UG/L			<19			<19	<19
Benzo(A)Anthracene	56-55-3	N	UG/L			<1			<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L			<1			<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L			<1			<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L			<1			<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L			<1			<1	<1
Benzoic Acid	65-85-0	N	UG/L			<6			<6	<6
Benzyl Alcohol	100-51-6	N	UG/L			<5			<5	<5
Biphenyl	92-52-4	N	UG/L			<1			<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L			<1			<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L			<1			<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L			<1			<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L			<2			<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L			<2			<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S10	R87-S10	R87-S11	R87-S11	R87-S11	R87-S11
				Field Sample ID	13403763	13475972	13417095	13417096	13490527	13490529
				Sample Name	BRE-G-MWR87-S10	BRE-G-MW-R87-S10	BRE-G-MWR87-S11	BRE-G-MWR87-S11-DUP	BRE-G-R87-S11	BRE-G-R87-S11-DUP
				Date Sampled	07/26/2004	07/26/2004	07/28/2004	07/28/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	DUP	FS	DUP
Carbazole	86-74-8	N	UG/L			<1			<1	<1
Chlorobenzilate	510-15-6	N	UG/L			<3			<3	<3
Chrysene	218-01-9	N	UG/L			<1			<1	<1
Diallate	2303-16-4	N	UG/L			<1			<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L			<1			<1	<1
Dibenzofuran	132-64-9	N	UG/L			<1			<1	<1
Diethyl Phthalate	84-66-2	N	UG/L			<2			<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200		<4200	<4200		
Dimethyl Phthalate	131-11-3	N	UG/L			<2			<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L			<2			<2	<2
Diphenyl Ether	101-84-8	N	UG/L			<1			<1	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L			<2			<2	<2
Fluoranthene	206-44-0	N	UG/L			<1			<1	<1
Fluorene	86-73-7	N	UG/L			<1			<1	<1
Hexachlorobenzene	118-74-1	N	UG/L			<1			<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L			<1			<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L			<5			<5	<5
Hexachloroethane	67-72-1	N	UG/L			<1			<1	<1
Hexachloropropylene	1888-71-7	N	UG/L			<2			<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L			<1			<1	<1
Isodrin	465-73-6	N	UG/L			<1			<1	<1
Isophorone	78-59-1	N	UG/L			<1			<1	<1
Isosafrole	120-58-1	N	UG/L			<1			<1	<1
Methapyrilene	91-80-5	N	UG/L			<3 R			<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L			<1			<1	<1
Naphthalene	91-20-3	N	UG/L			<1			<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L			<2			<2	<2
Nitrobenzene	98-95-3	N	UG/L			<1			<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L			<2			<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L			<2			<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L			<2			<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L			<2			<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L			<1			<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L			<2			<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L			<2			<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L			<2			<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L			<2			<2	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L			<2			<2	<2
O-Toluidine	95-53-4	N	UG/L			<1			<1	<1
para-Phenylenediamine	106-50-3	N	UG/L			<58 R			<58 R	<58 R
Pentachlorobenzene	608-93-5	N	UG/L			<2			<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L			<2			<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S10	R87-S10	R87-S11	R87-S11	R87-S11	R87-S11
				Field Sample ID	13403763	13475972	13417095	13417096	13490527	13490529
				Sample Name	BRE-G-MWR87-S10	BRE-G-MW-R87-S10	BRE-G-MWR87-S11	BRE-G-MWR87-S11-DUP	BRE-G-R87-S11	BRE-G-R87-S11-DUP
				Date Sampled	07/26/2004	07/26/2004	07/28/2004	07/28/2004	07/28/2004	07/28/2004
				Sample Purpose	FS	FS	FS	DUP	FS	DUP
Pentachlorophenol	87-86-5	N	UG/L		<3				<3	<3
Phenacetin	62-44-2	N	UG/L		<2				<2	<2
Phenanthrene	85-01-8	N	UG/L		<1				<1	<1
Phenol	108-95-2	N	UG/L		<1				<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00		<3900.00		<3900.00	
Pyrene	129-00-0	N	UG/L		<1				<1	<1
Pyridine	110-86-1	N	UG/L		<2				<2	<2
Safrole	94-59-7	N	UG/L		<2				<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1				<1	<1
Thionazin	297-97-2	N	UG/L		<2				<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900		<6900		<6900	
Dimethoate	60-51-5	N	UG/L		<3				<3	<3
Pronamide	23950-58-5	N	UG/L		<1				<1	<1
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<0.0900				<0.0900	<0.0900
Arsenic	7440-38-2	N	UG/L		0.21				0.2	0.110 J
Barium	7440-39-3	N	UG/L		28.5				47.3	46.5
Beryllium	7440-41-7	N	UG/L		<0.970				<0.970	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760				<0.760	<0.760
Chromium	7440-47-3	N	UG/L		0.590 B				1.40 B	1.80 B
Cobalt	7440-48-4	N	UG/L		<2.00				<2.00	<2.00
Copper	7440-50-8	N	UG/L		<2.70				<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00				<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280				<0.0280	<0.0280
Nickel	7440-02-0	N	UG/L		4.20 J				4.30 J	3.90 J
Selenium	7782-49-2	N	UG/L		<5.90				<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00				<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130				<0.130	<0.130
Tin	7440-31-5	N	UG/L		<5.00				<5.00	6.00 J
Vanadium	7440-62-2	N	UG/L		<1.60				<1.60	<1.60
Zinc	7440-66-6	N	UG/L		36.4				8.20 J	27.1
<i>Miscellaneous</i>										
Nitrate/Nitrite Nitrogen	C005	N	UG/L							
Total Kjeldahl Nitrogen	C021	N	UG/L							
Ammonia	7664-41-7	N	UG/L							

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S3	R87-S3	R87-S4	R87-S4	R87-S5	R87-S5	R87-S7	R87-S7
				Field Sample ID	13447553	13613383	13447555	13613386	13447557	13613389	13447551	13506335
				Sample Name	BRE-G-R87-S3	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S7
				Date Sampled	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/02/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1		<0.1		0.2 J		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3		<0.3		<0.3		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.5		<0.5		<0.5		<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L			<1		<1		<1		<1
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L			<1		<1		<1		<1
1,4-Dichlorobenzene	106-46-7	N	UG/L			<1		<1		<1		<1
2-Hexanone	591-78-6	N	UG/L			<1.0		<1.0		<1.0		<1.0
Acetone	67-64-1	N	UG/L			<3.0		<3.0		<3.0		<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0		<7.0		<7.0		<7.0
Acrolein	107-02-8	N	UG/L			<40		<40		<40		<40
Acrylonitrile	107-13-1	N	UG/L			<4		<4		<4		<4
Allyl Chloride	107-05-1	N	UG/L			<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L			0.3 J		0.6		0.7		<0.1
Bromodichloromethane	75-27-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
Bromoform	75-25-2	N	UG/L			<0.1		<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L			<0.1		<0.1		<0.1		<0.1
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L			<0.1		<0.1		<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L			<0.1		<0.1		<0.1		<0.1
Chloroform	67-66-3	N	UG/L			<0.1		<0.1		<0.1		<0.1
Chloroprene	126-99-8	N	UG/L			<0.1		<0.1		<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1		0.1 J		<0.1		<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethylbenzene	100-41-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200		<5200		<5200		<5200	
Iodomethane	74-88-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10		<10		<10		<10
Methacrylonitrile	126-98-7	N	UG/L			<1.0		<1.0		<1.0		<1.0
Methyl Bromide	74-83-9	N	UG/L			<0.1		<0.1		<0.1		<0.1
Methyl Chloride	74-87-3	N	UG/L			<0.1		<0.1		<0.1		<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S3	R87-S3	R87-S4	R87-S4	R87-S5	R87-S5	R87-S7	R87-S7
				Field Sample ID	13447553	13613383	13447555	13613386	13447557	13613389	13447551	13506335
				Sample Name	BRE-G-R87-S3	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S7
				Date Sampled	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/02/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0		<1.0		<1.0		<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0		<1.0		<1.0		<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1		<0.1		<0.1		<0.1
Methylene Bromide	74-95-3	N	UG/L			<0.1		<0.1		<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L			<0.2		<0.2		<0.2		<0.2
Pentachloroethane	76-01-7	N	UG/L			<0.2		<0.2		<0.2		<0.2
Propionitrile	107-12-0	N	UG/L			<2.0		<2.0		<2.0		<2.0
Styrene	100-42-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
Toluene	108-88-3	N	UG/L			<0.1		0.1 J		<0.1		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1		<0.1		<0.1		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1		<0.1		<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0		<1.0		<1.0		<1.0
Trichloroethene	79-01-6	N	UG/L			<0.1		1		<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1		<0.1		<0.1		<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2		<0.2		<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L			0.013 J		<0.010		0.016 J		<0.010
Xylenes	1330-20-7	N	UG/L			<0.1		<0.1		<0.1		<0.1
<i>Semivolatile Organic Compounds</i>												
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L			<2		<2		<2		<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L			<1		<1		<1		<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L			<1		<1		<1		<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L			<5 UJ		<5 UJ		<5 UJ		<5
1,3-Dinitrobenzene	99-65-0	N	UG/L			<2		<2		<2		<2
1,4-Dioxane	123-91-1	N	UG/L			21 J		35 J		23 J		<1
1,4-Naphthoquinone	130-15-4	N	UG/L			<10 R		<10 R		<10 R		<10 R
1-Methylnaphthalene	90-12-0	N	UG/L			<1		<1		<1		<1
1-Naphthylamine	134-32-7	N	UG/L			<5		<5		<5		<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L			<2		<2 R		<2		<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L			<1		<1 R		<1		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L			<1		<1 R		<1		<1
2,4-Dichlorophenol	120-83-2	N	UG/L			<1		<1 R		<1		<1
2,4-Dimethylphenol	105-67-9	N	UG/L			<1		<1 R		<1		<1
2,4-Dinitrophenol	51-28-5	N	UG/L			<19		<19 R		<19		<19
2,4-Dinitrotoluene	121-14-2	N	UG/L			<1		<1		<1		<1
2,6-Dichlorophenol	87-65-0	N	UG/L			<2		<2 R		<2		<2
2,6-Dinitrotoluene	606-20-2	N	UG/L			<1		<1		<1		<1
2-Acetylaminofluorene	53-96-3	N	UG/L			<2		<2		<2		<2
2-Chloronaphthalene	91-58-7	N	UG/L			<1		<1		<1		<1
2-Chlorophenol	95-57-8	N	UG/L			<1		<1 R		<1		<1
2-Methylnaphthalene	91-57-6	N	UG/L			<1		<1		<1		<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L			<1		<1 R		<1		<1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S3	R87-S3	R87-S4	R87-S4	R87-S5	R87-S5	R87-S7	R87-S7
				Field Sample ID	13447553	13613383	13447555	13613386	13447557	13613389	13447551	13506335
				Sample Name	BRE-G-R87-S3	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S7
				Date Sampled	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/02/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L			<5		<5		<5		<5
2-Nitroaniline	88-74-4	N	UG/L			<1		<1		<1		<1
2-Nitrophenol	88-75-5	N	UG/L			<1		<1 R		<1		<1
2-Picoline	109-06-8	N	UG/L			<2		<2		<2		<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L			<1		<1		<1		<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L			<10		<10		<10		<10
3-Methylcholanthrene	56-49-5	N	UG/L			<2		<2		<2		<2
3-Nitroaniline	99-09-2	N	UG/L			<1		<1		<1		<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L			<5 UJ		<5 UJ		<5 UJ		<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L			<5		<5 R		<5		<5
4-Aminobiphenyl	92-67-1	N	UG/L			<2		<2		<2		<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L			<1		<1		<1		<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L			<1		<1 R		<1		<1
4-Chloroaniline	106-47-8	N	UG/L			<1		<1		<1		<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L			<1		<1		<1		<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L			<2		<2		<2		<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L			<2		<2 R		<2		<2
4-Nitroaniline	100-01-6	N	UG/L			<1		<1		<1		<1
4-Nitrophenol	100-02-7	N	UG/L			<10		<10 R		<10		<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L			<19		<19		<19		<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L			<3		<3		<3		<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L			<2		<2		<2		<2
Acenaphthene	83-32-9	N	UG/L			<1		<1		<1		<1
Acenaphthylene	208-96-8	N	UG/L			<1		<1		<1		<1
Acetophenone	98-86-2	N	UG/L			<2		<2		<2		<2
Aniline	62-53-3	N	UG/L			<1		<1		<1		<1
Anthracene	120-12-7	N	UG/L			<1		<1		<1		<1
Benzaldehyde	100-52-7	N	UG/L			<1		<1		<1		<1
Benzidine	92-87-5	N	UG/L			<19		<19		<19		<19
Benzo(A)Anthracene	56-55-3	N	UG/L			<1		<1		<1		<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L			<1		<1		<1		<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L			<1		<1		<1		<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L			<1		<1		<1		<1
Benzo[A]Pyrene	50-32-8	N	UG/L			<1		<1		<1		<1
Benzoic Acid	65-85-0	N	UG/L			<6		<6		<6		<6
Benzyl Alcohol	100-51-6	N	UG/L			<5		<5		<5		<5
Biphenyl	92-52-4	N	UG/L			<1		<1		<1		<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L			<1		<1		<1		<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L			<1		<1		<1		<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L			<1		<1		<1		<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L			<2		<2		<2		<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L			<2		<2		<2		<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S3	R87-S3	R87-S4	R87-S4	R87-S5	R87-S5	R87-S7	R87-S7
				Field Sample ID	13447553	13613383	13447555	13613386	13447557	13613389	13447551	13506335
				Sample Name	BRE-G-R87-S3	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S7
				Date Sampled	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/02/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Carbazole	86-74-8	N	UG/L			<1		<1		<1		<1
Chlorobenzilate	510-15-6	N	UG/L			<3 UJ		<3 UJ		<3 UJ		<3
Chrysene	218-01-9	N	UG/L			<1		<1		<1		<1
Diallate	2303-16-4	N	UG/L			<1		<1		<1		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L			<1		<1		<1		<1
Dibenzofuran	132-64-9	N	UG/L			<1		<1		<1		<1
Diethyl Phthalate	84-66-2	N	UG/L			<2		<2		<2		<2
Diethylene Glycol	111-46-6	N	UG/L		<4200		<4200		<4200		<4200	
Dimethyl Phthalate	131-11-3	N	UG/L			<2		<2		<2		<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L			<2		<2		<2		<2
Diphenyl Ether	101-84-8	N	UG/L			4 J		15 J		2 J		<1
Ethyl Methanesulfonate	62-50-0	N	UG/L			<2		<2		<2		<2
Fluoranthene	206-44-0	N	UG/L			<1		<1		<1		<1
Fluorene	86-73-7	N	UG/L			<1		<1		<1		<1
Hexachlorobenzene	118-74-1	N	UG/L			<1		<1		<1		<1
Hexachlorobutadiene	87-68-3	N	UG/L			<1		<1		<1		<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L			<5		<5		<5		<5
Hexachloroethane	67-72-1	N	UG/L			<1		<1		<1		<1
Hexachloropropylene	1888-71-7	N	UG/L			<2		<2		<2		<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L			<1		<1		<1		<1
Isodrin	465-73-6	N	UG/L			<1		<1		<1		<1
Isophorone	78-59-1	N	UG/L			<1		<1		<1		<1
Isosafrole	120-58-1	N	UG/L			<1		<1		<1		<1
Methapyrilene	91-80-5	N	UG/L			<3 R		<3 R		<3 R		<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L			<1		<1		<1		<1
Naphthalene	91-20-3	N	UG/L			<1		<1		<1		<1
N-Dioctyl Phthalate	117-84-0	N	UG/L			<2		<2		<2		<2
Nitrobenzene	98-95-3	N	UG/L			<1		<1		<1		<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L			<2		<2		<2		<2
N-Nitrosodiethylamine	55-18-5	N	UG/L			<2		<2		<2		<2
N-Nitrosodimethylamine	62-75-9	N	UG/L			<2		<2		<2		<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L			<2		<2		<2		<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L			<1		<1		<1		<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L			<2		<2		<2		<2
N-Nitrosomorpholine	59-89-2	N	UG/L			<2		<2		<2		<2
N-Nitrosopiperidine	100-75-4	N	UG/L			<2		<2		<2		<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L			<2		<2		<2		<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L			<2		<2		<2		<2
O-Toluidine	95-53-4	N	UG/L			<1		<1		<1		<1
para-Phenylenediamine	106-50-3	N	UG/L			<57 R		<58 R		<57 R		<57 R
Pentachlorobenzene	608-93-5	N	UG/L			<2		<2		<2		<2
Pentachloronitrobenzene	82-68-8	N	UG/L			<2		<2		<2		<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S3	R87-S3	R87-S4	R87-S4	R87-S5	R87-S5	R87-S7	R87-S7
				Field Sample ID	13447553	13613383	13447555	13613386	13447557	13613389	13447551	13506335
				Sample Name	BRE-G-R87-S3	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S7
				Date Sampled	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/03/2004	08/02/2004	08/02/2004	08/03/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L			<3		<3 R		<3		<3
Phenacetin	62-44-2	N	UG/L			<2		<2		<2		<2
Phenanthrene	85-01-8	N	UG/L			<1		<1		<1		<1
Phenol	108-95-2	N	UG/L			<1		<1 R		<1		<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00		<3900.00		<3900.00		<3900.00	
Pyrene	129-00-0	N	UG/L			<1		<1		<1		<1
Pyridine	110-86-1	N	UG/L			<2		<2		<2		<2
Safrole	94-59-7	N	UG/L			<2		<2		<2		<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L			<1		<1		<1		<1
Thionazin	297-97-2	N	UG/L			<2		<2		<2		<2
Triethylene Glycol	112-27-6	N	UG/L		<6900		<6900		<6900		<6900	
Dimethoate	60-51-5	N	UG/L			<3		<3		<3		<3
Pronamide	23950-58-5	N	UG/L			<1		<1		<1		<1
<i>Inorganics</i>												
Antimony	7440-36-0	N	UG/L			0.220 B		0.0980 B		0.380 B		<0.0900
Arsenic	7440-38-2	N	UG/L			6.9		2.9		7		0.140 J
Barium	7440-39-3	N	UG/L			415		222		444		17.5
Beryllium	7440-41-7	N	UG/L			<0.970		<0.970		<0.970		<0.970
Cadmium	7440-43-9	N	UG/L			<0.760		0.830 J		1.00 J		<0.760
Chromium	7440-47-3	N	UG/L			1.60 B		0.690 B		0.810 B		0.750 B
Cobalt	7440-48-4	N	UG/L			<2.00		9.9		11.5		<2.00
Copper	7440-50-8	N	UG/L			<2.70		<2.70		<2.70		<2.70
Lead	7439-92-1	N	UG/L			<10.00		<10.00		<10.00		<10.00
Mercury	7439-97-6	N	UG/L			<0.0280 UJ		<0.0280 R		<0.0280 UJ		<0.0280 UJ
Nickel	7440-02-0	N	UG/L			<3.10		<3.10		<3.10		<3.10
Selenium	7782-49-2	N	UG/L			<5.90		<5.90		<5.90		<5.90
Silver	7440-22-4	N	UG/L			<2.00		<2.00		<2.00		<2.00
Thallium	7440-28-0	N	UG/L			<0.130		0.470 J		1.3		<0.130
Tin	7440-31-5	N	UG/L			<5.00		<5.00		7.10 J		<5.00
Vanadium	7440-62-2	N	UG/L			<1.60		<1.60		2.50 J		<1.60
Zinc	7440-66-6	N	UG/L			6.90 J		<4.80		37.5		6.60 B
<i>Miscellaneous</i>												
Nitrate/Nitrite Nitrogen	C005	N	UG/L			<40.0		<40.0		<40.0		<40.0
Total Kjeldahl Nitrogen	C021	N	UG/L			74700.00		11500.00 J		11600.00		<500
Ammonia	7664-41-7	N	UG/L			12000.00		11400.00		10400.00		<110

Summary of Analytical Results - Surficial Aquifer Groundwater - 2004
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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S9
				Field Sample ID	13408761	13408763
				Sample Name	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	07/23/2004	07/23/2004
				Sample Purpose	FS	FS
<i>Volatile Organic Compounds</i>						
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		0.6	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1
1,2-Dichloroethane	107-06-2	N	UG/L		0.2 J	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.6	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		1.7	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		2.4	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S9
				Field Sample ID	13408761	13408763
				Sample Name	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	07/23/2004	07/23/2004
				Sample Purpose	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		0.6	<0.1
Methylene Chloride	75-09-2	N	UG/L		0.5 J	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		0.1 J	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.57	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1
<i>Semivolatile Organic Compounds</i>						
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2
1,4-Dioxane	123-91-1	N	UG/L		17	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1
1-Naphthylamine	134-32-7	N	UG/L		<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1
2-Chlorophenol	95-57-8	N	UG/L		<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S9
				Field Sample ID	13408761	13408763
				Sample Name	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	07/23/2004	07/23/2004
				Sample Purpose	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<5	<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1
4,4'-Methylenebis-(2-Chlorobenzamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20	<19
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2
Acenaphthene	83-32-9	N	UG/L		<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2
Aniline	62-53-3	N	UG/L		<1	<1
Anthracene	120-12-7	N	UG/L		<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1 UJ	<1
Benzidine	92-87-5	N	UG/L		<20	<19
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1
Benzoic Acid	65-85-0	N	UG/L		<6	<6
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5
Biphenyl	92-52-4	N	UG/L		<1	<1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S9
				Field Sample ID	13408761	13408763
				Sample Name	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	07/23/2004	07/23/2004
				Sample Purpose	FS	FS
Carbazole	86-74-8	N	UG/L		<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<3
Chrysene	218-01-9	N	UG/L		<1	<1
Diallate	2303-16-4	N	UG/L		<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2
Diphenyl Ether	101-84-8	N	UG/L		30	<1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2
Fluoranthene	206-44-0	N	UG/L		<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1
Isodrin	465-73-6	N	UG/L		<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1
Naphthalene	91-20-3	N	UG/L		<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2 UJ	<2
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2 UJ	<2
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2
O-Toluidine	95-53-4	N	UG/L		<1	<1
para-Phenylenediamine	106-50-3	N	UG/L		<60 R	<57 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S9
				Field Sample ID	13408761	13408763
				Sample Name	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	07/23/2004	07/23/2004
				Sample Purpose	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<2
Phenanthrene	85-01-8	N	UG/L		<1	<1
Phenol	108-95-2	N	UG/L		<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3900.00	<3900.00
Pyrene	129-00-0	N	UG/L		<1	<1
Pyridine	110-86-1	N	UG/L		<2	<2
Safrole	94-59-7	N	UG/L		<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1
Thionazin	297-97-2	N	UG/L		<2	<2
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900
Dimethoate	60-51-5	N	UG/L		<3	<3
Pronamide	23950-58-5	N	UG/L		<1	<1
<i>Inorganics</i>						
Antimony	7440-36-0	N	UG/L		<0.0900 UJ	<0.0900 UJ
Arsenic	7440-38-2	N	UG/L		0.930 J	0.170 J
Barium	7440-39-3	N	UG/L		20.2	47.6
Beryllium	7440-41-7	N	UG/L		1.80 J	<0.970
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760
Chromium	7440-47-3	N	UG/L		1.70 B	0.590 B
Cobalt	7440-48-4	N	UG/L		15.1	2.80 J
Copper	7440-50-8	N	UG/L		<2.70	<2.70
Lead	7439-92-1	N	UG/L		<10.00	<10.00
Mercury	7439-97-6	N	UG/L		<0.0280 UJ	<0.0280 UJ
Nickel	7440-02-0	N	UG/L		88.3	<3.10
Selenium	7782-49-2	N	UG/L		<5.90	<5.90
Silver	7440-22-4	N	UG/L		<2.00	<2.00
Thallium	7440-28-0	N	UG/L		<0.130	<0.130
Tin	7440-31-5	N	UG/L		6.70 B	<5.00
Vanadium	7440-62-2	N	UG/L		4.50 J	<1.60 UJ
Zinc	7440-66-6	N	UG/L		17.90 J	8.60 J
<i>Miscellaneous</i>						
Nitrate/Nitrite Nitrogen	C005	N	UG/L			
Total Kjeldahl Nitrogen	C021	N	UG/L			
Ammonia	7664-41-7	N	UG/L			

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104A	MW104B	MW105	MW106A	MW106A	
				Field Sample ID	16255821	16255833	16255835	16255837	16255846	16255839	16255841	16255850	16335634	
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104A-DUP	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106A	
				Date Sampled	03/22/2006	03/22/2006	03/22/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/24/2006
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS	
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12		<0.12	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11		<0.11	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	1.7	0.25 J	<0.15	<0.15	<0.15	<0.15		<0.15	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		0.23 J	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	2.6	0.4 J	<0.1	<0.1	<0.1	<0.1		<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17		<0.17	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	1.5	0.22 J	<0.1	<0.1	<0.1	<0.1		<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	
Acetone	67-64-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76		<0.76	
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		0.25 J	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		0.12 J	
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	21	2.1	<0.15	<0.15	0.82	<0.15		0.28 J	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11		<0.11	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12		0.86	
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	5800 J	<5200	<5200	<5200		
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46		<0.46	
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7		<7.7	
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1	
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14		<0.14	
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79		<0.79	

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104A	MW104B	MW105	MW106A	MW106A	
				Field Sample ID	16255821	16255833	16255835	16255837	16255846	16255839	16255841	16255850	16335634	
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104A-DUP	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106A	
				Date Sampled	03/22/2006	03/22/2006	03/22/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/24/2006
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57		<0.57	
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1	
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11		<0.11	
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12		<0.12	
Ortho-Xylene	95-47-6	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13		<0.13	
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6		<7.6	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.16	0.45 J	<0.16	<0.16	<0.16	<0.16	<0.16		<0.16	
Toluene	108-88-3	N	UG/L		<0.1	0.13 J	0.2 J	<0.1	<0.1	<0.1	<0.1		<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	4.9	0.56	<0.1	<0.1	<0.1	<0.1		<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4		<4	
Trichloroethene	79-01-6	N	UG/L		<0.1	4.3	0.43 J	<0.1	<0.1	0.16 J	<0.1		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13		<0.13	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.01	34	8.7	<0.01	0.011	0.43	<0.01		0.41	
Xylenes	1330-20-7	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99		<0.99	
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74		<0.74	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41		<0.41	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72		<0.72	
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9		<6.9	
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4		<1.4	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94		<0.94	
1-Naphthylamine	134-32-7	N	UG/L		<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2		<2.2	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6		<1.6	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3		<4.3	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9		<2.9	
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96		<0.96	
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5		<3.5	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76		<0.76	
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4		<1.4	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74		<0.74	
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8		<0.8	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81		<0.81	
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83		<0.83	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77		<0.77	

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104A	MW104B	MW105	MW106A	MW106A
				Field Sample ID	16255821	16255833	16255835	16255837	16255846	16255839	16255841	16255850	16335634
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104A-DUP	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106A
				Date Sampled	03/22/2006	03/22/2006	03/22/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/24/2006
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R
Benzidine	92-87-5	N	UG/L		<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		<20	<20	24.9 J	24.7 J	<20	<20	<20	<20	24.8 J
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3 R
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	1.11 J
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104A	MW104B	MW105	MW106A	MW106A	
				Field Sample ID	16255821	16255833	16255835	16255837	16255846	16255839	16255841	16255850	16335634	
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104A-DUP	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106A	
				Date Sampled	03/22/2006	03/22/2006	03/22/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/24/2006
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS	
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75		<0.75	
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93		<0.93	
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43		<0.43	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67		<0.67	
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94		<0.94	
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200		
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8		<1.8	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86		<0.86	
Diphenyl Ether	101-84-8	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97		12	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92		<0.92	
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74		<0.74	
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85		<0.85	
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82		<0.82	
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89		<0.89	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57		<0.57	
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91		<0.91	
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91		<0.91	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59		<0.59	
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78		<0.78	
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48		<0.48	
Isosafrole	120-58-1	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6		<1.6	
Methapyrilene	91-80-5	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98		<0.98	
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78		<0.78	
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9		<0.9	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69		<0.69	
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62		<0.62	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86		<0.86	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56		<0.56	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84		<0.84	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87		<0.87	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76		<0.76	
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8		<1.8	
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78		<0.78	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1		<8.1	
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9		<0.9	
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R		<32 R	
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83		<0.83	
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74		<0.74	
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2		<3.2	

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104A	MW104B	MW105	MW106A	MW106A
				Field Sample ID	16255821	16255833	16255835	16255837	16255846	16255839	16255841	16255850	16335634
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104A-DUP	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW106A	BRE-G-MW106A
				Date Sampled	03/22/2006	03/22/2006	03/22/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/23/2006	03/24/2006
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89		<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74		<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43		<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85		<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96		<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84		<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93		<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5		<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87		<0.87
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20		<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40		<1.40
Barium	7440-39-3	N	UG/L		8.0 J	1.20 B	8.70 J	5.90 J	6.0 J	2.60 B	11.60 J		74.80 J
Beryllium	7440-41-7	N	UG/L		0.540 B	0.540 B	0.760 B	0.570 B	0.60 B	0.60 B	0.60 B		0.660 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		<0.20
Chromium	7440-47-3	N	UG/L		0.940 B	1.30 B	3.80 B	0.930 B	1.50 B	1.10 B	1.50 B		1.20 B
Cobalt	7440-48-4	N	UG/L		<0.50	1.10 J	1.20 J	<0.50	0.580 J	<0.50	<0.50		2.70 J
Copper	7440-50-8	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30		<0.30
Lead	7439-92-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0
Mercury	7439-97-6	N	UG/L		<0.10	0.140 J	<0.10	<0.10	<0.10	<0.10	<0.10		<0.10
Nickel	7440-02-0	N	UG/L		1.0 B	<0.90	2.0 B	<0.90	0.970 B	<0.90	<0.90		<0.90
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30		<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ		<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70		<6.70
Vanadium	7440-62-2	N	UG/L		<0.30	<0.30	3.40 J	<0.30	<0.30	<0.30	<0.30		<0.30
Zinc	7440-66-6	N	UG/L		5.10 B	4.30 B	29.20 B	3.90 B	4.10 B	3.0 B	4.50 B		6.0 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43		<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47		<0.47

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Analyte	CAS No.	Filtered	Units	Location ID	MW106B	MW107A	MW107B	MW108	MW109A	MW109B	MW110A	MW110B	MW111A
				Field Sample ID	16255852	16299854	16299861	16299399	16295657	16295659	16295677	16295679	16295655
				Sample Name	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A
				Date Sampled	03/23/2006	03/27/2006	03/27/2006	03/27/2006	03/29/2006	03/29/2006	03/30/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		0.38 J	0.31 J	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	0.27 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.1 J	0.33 J	<0.1	0.13 J	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.21 B	<0.1	<0.1	<0.1	<0.1	0.17 B
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.4 J	0.32 J	<0.15	3.8	<0.15	<0.15	<0.15	<0.15	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		0.42 J	0.89	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW106B	MW107A	MW107B	MW108	MW109A	MW109B	MW110A	MW110B	MW111A
				Field Sample ID	16255852	16299854	16299861	16299399	16295657	16295659	16295677	16295679	16295655
				Sample Name	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A
				Date Sampled	03/23/2006	03/27/2006	03/27/2006	03/27/2006	03/29/2006	03/29/2006	03/30/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.16	<0.16	<0.16	2.9	<0.16	<0.16	<0.16	<0.16	<0.16
Toluene	108-88-3	N	UG/L		<0.1	0.16 B	<0.1	<0.1	<0.1	0.13 J	0.11 B	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	3.5	<0.1	<0.1	<0.1	0.41 J	0.13 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	0.14 J	0.55	<0.13	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.22	1	<0.01	2.5	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		13 J	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1-Naphthylamine	134-32-7	N	UG/L		<2.2	<2.2	<2.2	<2.2	<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW106B	MW107A	MW107B	MW108	MW109A	MW109B	MW110A	MW110B	MW111A
				Field Sample ID	16255852	16299854	16299861	16299399	16295657	16295659	16295677	16295679	16295655
				Sample Name	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A
				Date Sampled	03/23/2006	03/27/2006	03/27/2006	03/27/2006	03/29/2006	03/29/2006	03/30/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8	<2.8	<2.8	<2.8	<2.8
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6 R	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Benzidine	92-87-5	N	UG/L		<0.44	<0.44 R	<0.44 R	<0.44 R	<0.44	<0.44	<0.44	<0.44	<0.44
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		<20	<20	<20	<20	<20	<20	24.7 J	24.7 J	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3 R	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		0.815 J	1.31 J	1.01 J	<0.77	1.76 B	3.86 B	3.62 B	1.54 B	1.89 B
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77 R	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW106B	MW107A	MW107B	MW108	MW109A	MW109B	MW110A	MW110B	MW111A
				Field Sample ID	16255852	16299854	16299861	16299399	16295657	16295659	16295677	16295679	16295655
				Sample Name	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A
				Date Sampled	03/23/2006	03/27/2006	03/27/2006	03/27/2006	03/29/2006	03/29/2006	03/30/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		2.6 J	10	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ
Methapyrilene	91-80-5	N	UG/L		<0.98	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98	<0.98	<0.98	<0.98	<0.98
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW106B	MW107A	MW107B	MW108	MW109A	MW109B	MW110A	MW110B	MW111A
				Field Sample ID	16255852	16299854	16299861	16299399	16295657	16295659	16295677	16295679	16295655
				Sample Name	BRE-G-MW106B	BRE-G-MW107A	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110B	BRE-G-MW111A
				Date Sampled	03/23/2006	03/27/2006	03/27/2006	03/27/2006	03/29/2006	03/29/2006	03/30/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20	<1.20	1.20 J	<1.20	<1.20	<1.20	<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	15.8
Barium	7440-39-3	N	UG/L		1.90 B	83.20 J	1.80 B	12.90 J	13.60 J	11.0 J	19.80 J	1.70 B	320
Beryllium	7440-41-7	N	UG/L		1.20 B	0.560 B	0.450 B	0.670 B	0.420 B	0.240 B	0.310 B	0.290 B	3.90 J
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		1.40 B	1.10 B	0.690 B	0.610 B	<0.40	0.780 J	0.870 B	0.770 B	8.40 J
Cobalt	7440-48-4	N	UG/L		<0.50	1.50 J	<0.50	<0.50	<0.50	0.820 J	2.90 J	<0.50	12.4
Copper	7440-50-8	N	UG/L		<0.30	<0.30	<0.30	0.420 J	<0.30	<0.30	<0.30	<0.30	8.3
Lead	7439-92-1	N	UG/L		<1.0	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	33.9
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	3.0 J	<0.90	<0.90	4.80 J
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.20 J
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70	<6.70	<6.70	<6.70	<6.70
Vanadium	7440-62-2	N	UG/L		<0.30	2.10 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	18.50 J
Zinc	7440-66-6	N	UG/L		10.60 B	2.90 B	3.60 B	2.90 B	1.90 B	3.60 B	1.60 B	2.40 B	71.4
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47

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Analyte	CAS No.	Filtered	Units	Location ID	MW111B	MW112A	MW112B	MW114A	MW114A	MW114B	MW114B	MW201A	MW201B	
				Field Sample ID	16295671	16295651	16295653	16295867	16308891	16295869	16308896	16295681	16295683	
				Sample Name	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	
				Date Sampled	03/30/2006	03/29/2006	03/29/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		0.85 J	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Acetone	67-64-1	N	UG/L		<0.76	<0.76	3.3	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	3.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		9.7 J	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	

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Analyte	CAS No.	Filtered	Units	Location ID	MW111B	MW112A	MW112B	MW114A	MW114A	MW114B	MW114B	MW201A	MW201B
				Field Sample ID	16295671	16295651	16295653	16295867	16308891	16295869	16308896	16295681	16295683
				Sample Name	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B
				Date Sampled	03/30/2006	03/29/2006	03/29/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57		<0.57		<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1		<1		<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11		<0.11		<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12		<0.12		<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13		<0.13		<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6		<7.6		<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		7.7	<0.16	0.21 J		<0.16		<0.16	<0.16	<0.16
Toluene	108-88-3	N	UG/L		0.12 B	<0.1	0.16 J		<0.1		<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		0.2 J	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4		<4		<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		98 J	<0.1	0.17 J		<0.1		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13		<0.13		<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2		<0.2		<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.01	<0.01	<0.01		0.63		<0.01	<0.01	<0.01
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1		<1		<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99		<0.99		<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74		<0.74		<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41		<0.41		<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72		<0.72		<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9		<6.9		<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4 UJ	<1.4 UJ	<1.4 UJ		<1.4 UJ		<1.4 UJ	<1.4 UJ	<1.4 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94		<0.94		<0.94	<0.94	2.9 J
1-Naphthylamine	134-32-7	N	UG/L		<2.2 R	<2.2 R	<2.2 R		<2.2 UJ		<2.2 UJ	<2.2 UJ	<2.2 UJ
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6		<1.6		<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3		<4.3		<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9		<2.9		<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3		<1.3		<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96		<0.96		<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5		<3.5		<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76		<0.76		<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4		<1.4		<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74		<0.74		<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8		<0.8		<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81		<0.81		<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2		<1.2		<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83		<0.83		<0.83	<0.83	1.37 J
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77		<0.77		<0.77	<0.77	<0.77

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW111B	MW112A	MW112B	MW114A	MW114A	MW114B	MW114B	MW201A	MW201B
				Field Sample ID	16295671	16295651	16295653	16295867	16308891	16295869	16308896	16295681	16295683
				Sample Name	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B
				Date Sampled	03/30/2006	03/29/2006	03/29/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5 R	<1.5 R	<1.5 R		<1.5 R		<1.5 R	<1.5 R	<1.5 R
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96		<0.96		<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4		<1.4		<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6		<0.6		<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7		<0.7		<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	<2.8	<2.8		<2.8		<2.8	<2.8	<2.8
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53		<0.53		<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4		<1.4		<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2		<4.2		<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2 UJ	<1.2 UJ	<1.2 UJ		<1.2 UJ		<1.2 UJ	<1.2 UJ	<1.2 UJ
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81		<0.81		<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48		<0.48		<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68		<0.68		<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89		<0.89		<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86		<0.86		<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6		<1.6		<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3		<1.3		<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8		<3.8		<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10		<10		<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4		<1.4		<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57		<0.57		<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9		<2.9		<2.9	<2.9	9.76 J
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92		<0.92		<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2		<1.2		<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86		<0.86		<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96		<0.96		<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6	<2.6	<2.6		<2.6		<2.6	<2.6	<2.6
Benzidine	92-87-5	N	UG/L		<0.44	<0.44	<0.44		<0.44 R		<0.44 R	<0.44 R	<0.44 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89		<0.89		<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2		<1.2		<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65		<0.65		<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4		<1.4		<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67		<0.67		<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		24.8 J	<20	<20		<20		<20	<20	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7		<1.7		<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3	<1.3	<1.3		<1.3		<1.3	<1.3	<1.3
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93		<0.93		<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79		<0.79		<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86		<0.86		<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		4.04 B	1.5 B	2.16 B		2.08 B		2.07 B	2.79 B	2.96 B
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6		<1.6		<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77	<0.77	<0.77		<0.77		<0.77	<0.77	<0.77

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW111B	MW112A	MW112B	MW114A	MW114A	MW114B	MW114B	MW201A	MW201B
				Field Sample ID	16295671	16295651	16295653	16295867	16308891	16295869	16308896	16295681	16295683
				Sample Name	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B
				Date Sampled	03/30/2006	03/29/2006	03/29/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75		<0.75		<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93		<0.93		<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43		<0.43		<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67		<0.67		<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94		<0.94		<0.94	<0.94	3.65 J
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2		<1.2		<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200		<4200		<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8		<1.8		<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86		<0.86		<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		<0.97	<0.97	<0.97		7.1 J		<0.97	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92		<0.92		<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74		<0.74		<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85		<0.85		<0.85	<0.85	5.45 J
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82		<0.82		<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89		<0.89		<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57 R	<0.57 R	<0.57 R		<0.57		<0.57	<0.57	<0.57
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91		<0.91		<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91		<0.91		<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59		<0.59		<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78		<0.78		<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48		<0.48		<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6 UJ	<1.6 UJ	<1.6 UJ		<1.6		<1.6	<1.6	<1.6
Methapyrilene	91-80-5	N	UG/L		<0.98	<0.98	<0.98		<0.98		<0.98	<0.98	<0.98
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78		<0.78		<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9		<0.9		<0.9	<0.9	1.84 J
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69		<0.69		<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1		<1.1		<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62		<0.62		<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86		<0.86		<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56		<0.56		<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84		<0.84		<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87		<0.87		<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76		<0.76		<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8		<1.8		<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1		<1		<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78		<0.78		<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1		<8.1		<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9		<0.9		<0.9	6.46 J	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R		<32 R		<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83		<0.83		<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74		<0.74		<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2		<3.2		<3.2	<3.2	<3.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW111B	MW112A	MW112B	MW114A	MW114A	MW114B	MW114B	MW201A	MW201B
				Field Sample ID	16295671	16295651	16295653	16295867	16308891	16295869	16308896	16295681	16295683
				Sample Name	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B
				Date Sampled	03/30/2006	03/29/2006	03/29/2006	03/31/2006	03/31/2006	03/31/2006	03/31/2006	03/30/2006	03/30/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89		<0.89		<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74		<0.74		<0.74	<0.74	4.52 J
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43		<0.43		<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900		<3900		<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85		<0.85		<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96		<0.96		<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84		<0.84		<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93		<0.93		<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900		<6900		<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5		<1.5		<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87		<0.87		<0.87	<0.87	<0.87
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20		<1.20		<1.20	1.60 J	<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40		1.60 J		1.90 J	<1.40	<1.40
Barium	7440-39-3	N	UG/L		51.20 J	30.50 J	9.0 J		7.70 B		2.30 B	34.20 J	4.0 B
Beryllium	7440-41-7	N	UG/L		1.40 B	0.330 B	0.350 B		1.60 B		1.70 B	1.80 B	1.70 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20		0.230 B		<0.20	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		6.70 J	<0.40	1.0 J		0.930 B		0.860 B	0.610 B	0.790 B
Cobalt	7440-48-4	N	UG/L		4.10 J	<0.50	<0.50		0.690 J		<0.50	<0.50	<0.50
Copper	7440-50-8	N	UG/L		1.50 J	<0.30	<0.30		<0.30		<0.30	<0.30	<0.30
Lead	7439-92-1	N	UG/L		4.2	<1.0	<1.0		<1.0		<1.0	<1.0	<1.0
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10		<0.10		<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		4.20 J	<0.90	1.10 J		<0.90		<0.90	<0.90	<0.90
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30		<3.30		<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50		<0.50		<0.50	<0.50	<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ		<3.90 UJ		<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70	<6.70	<6.70		<6.70		<6.70	<6.70	<6.70
Vanadium	7440-62-2	N	UG/L		13.60 J	<0.30	0.680 J		0.610 J		0.560 J	<0.30	0.450 J
Zinc	7440-66-6	N	UG/L		56.3	2.80 B	4.70 B		4.0 B		7.0 B	2.60 B	5.0 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43		<0.43		<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47		<0.47		<0.47	<0.47	<0.47

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW202A	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206A	MW206B
				Field Sample ID	16295673	16295675	16299537	16295665	16295667	16295669	16295646	16295649	16295648
				Sample Name	BRE-G-MW202A	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206A-DUP	BRE-G-MW206B
				Date Sampled	03/30/2006	03/30/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	1.1 J	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	14	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.12 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	2.6	<0.76
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11 J
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	6.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	5.1 J	<0.15	<0.15	<0.15	1.6 J	<0.15	<0.15	3.2 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	0.14 J	<0.1	0.44 J	<0.1	0.55	0.58	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14 UJ
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW202A	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206A	MW206B
				Field Sample ID	16295673	16295675	16299537	16295665	16295667	16295669	16295646	16295649	16295648
				Sample Name	BRE-G-MW202A	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206A-DUP	BRE-G-MW206B
				Date Sampled	03/30/2006	03/30/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.16 J	2.4	<0.16	<0.16	<0.16	0.27 J	<0.16	<0.16	0.66
Toluene	108-88-3	N	UG/L		0.14 B	0.17 B	<0.1	0.11 J	<0.1	<0.1	0.21 J	0.18 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	1.1	<0.1	<0.1	<0.1	0.27 J	<0.1	<0.1	0.26 J
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		0.64 J	94 J	<0.1	<0.1	<0.1	3.5 J	<0.1	0.17 J	24 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	13	13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ	<1.4 UJ
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1-Naphthylamine	134-32-7	N	UG/L		<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R	<2.2 R
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW202A	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206A	MW206B
				Field Sample ID	16295673	16295675	16299537	16295665	16295667	16295669	16295646	16295649	16295648
				Sample Name	BRE-G-MW202A	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206A-DUP	BRE-G-MW206B
				Date Sampled	03/30/2006	03/30/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
3-Methylcholanthrene	56-49-5	N	UG/L		0.535 J	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ	<1.2 UJ
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Benzidine	92-87-5	N	UG/L		<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		24.8 J	24.8 J	<20	<20	24.7 J	<20	24.7 J	24.8 J	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		2.42 B	2.19 B	1.62 B	2 B	1.1 B	1.19 B	2.36 B	1.34 B	1.93 B
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW202A	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206A	MW206B
				Field Sample ID	16295673	16295675	16299537	16295665	16295667	16295669	16295646	16295649	16295648
				Sample Name	BRE-G-MW202A	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206A-DUP	BRE-G-MW206B
				Date Sampled	03/30/2006	03/30/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R	<0.57 R
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ	<1.6 UJ
Methapyrilene	91-80-5	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	1.18 J	<0.9	<0.9	<0.9	<0.9	<0.9
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		0.94 B	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	3.59 J	<3.2	<3.2	<3.2	<3.2	<3.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW202A	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206A	MW206B
				Field Sample ID	16295673	16295675	16299537	16295665	16295667	16295669	16295646	16295649	16295648
				Sample Name	BRE-G-MW202A	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206A-DUP	BRE-G-MW206B
				Date Sampled	03/30/2006	03/30/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006	03/29/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	DUP	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	1.50 J
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		14.50 J	3.50 B	24.30 J	42.0 J	43.60 J	6.60 J	105.0 J	106.0 J	14.70 J
Beryllium	7440-41-7	N	UG/L		0.380 B	0.280 B	0.480 B	0.350 B	0.320 B	0.380 B	0.670 B	0.660 B	0.520 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		<0.40	1.30 B	0.430 J	0.50 J	0.560 J	<0.40	<0.40	<0.40	0.520 J
Cobalt	7440-48-4	N	UG/L		<0.50	0.660 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Copper	7440-50-8	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Lead	7439-92-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		<0.90	1.10 J	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	0.950 J
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70
Vanadium	7440-62-2	N	UG/L		<0.30	1.70 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Zinc	7440-66-6	N	UG/L		1.80 B	10.60 J	3.80 B	3.60 B	7.80 J	3.30 B	3.10 B	3.10 B	5.10 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW207A	MW207B	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C
				Field Sample ID	16299860	16299866	16299856	16299858	16299407	16299409	16299401	16299403	16299405
				Sample Name	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C
				Date Sampled	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.77	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.15 J	1.4	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.23 J	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		<0.76	3.4	3.4	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	0.15 J	<0.1	0.56	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	2.4	<0.1	<0.1	0.42 J
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.43 B	<0.1	0.17 B	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	1.3	0.4 J	<0.15	0.44 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	0.63	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW207A	MW207B	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C
				Field Sample ID	16299860	16299866	16299856	16299858	16299407	16299409	16299401	16299403	16299405
				Sample Name	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C
				Date Sampled	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	0.17 J	<0.16	0.22 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	0.1 B	<0.1	0.1 B	<0.1	<0.1	0.15 B
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	2.5	<0.1	10	1.2
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	0.65	<0.01	<0.01	<0.01
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	22 J	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1-Naphthylamine	134-32-7	N	UG/L		<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW207A	MW207B	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C
				Field Sample ID	16299860	16299866	16299856	16299858	16299407	16299409	16299401	16299403	16299405
				Sample Name	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C
				Date Sampled	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5 R
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Benzidine	92-87-5	N	UG/L		<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	2 J	<1.3	<1.3	<1.3
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW207A	MW207B	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C
				Field Sample ID	16299860	16299866	16299856	16299858	16299407	16299409	16299401	16299403	16299405
				Sample Name	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C
				Date Sampled	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		<0.97	<0.97	<0.97	5.1 B	<0.97	150	<0.97	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Methapyrilene	91-80-5	N	UG/L		<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW207A	MW207B	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C
				Field Sample ID	16299860	16299866	16299856	16299858	16299407	16299409	16299401	16299403	16299405
				Sample Name	BRE-G-MW207A	BRE-G-MW207B	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C
				Date Sampled	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006	03/28/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	2.40 J	1.70 J	<1.40
Barium	7440-39-3	N	UG/L		27.20 J	21.30 J	44.10 J	29.30 J	13.20 J	2.90 J	35.80 J	62.70 J	24.40 J
Beryllium	7440-41-7	N	UG/L		0.680 B	0.650 B	0.420 B	0.540 B	0.430 B	0.510 B	0.450 B	0.910 B	1.10 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.0 J	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		0.810 B	0.50 B	0.920 B	0.440 B	0.410 B	<0.40	0.720 B	<0.40	1.10 B
Cobalt	7440-48-4	N	UG/L		<0.50	<0.50	6.4	1.40 J	0.580 J	0.540 J	1.60 J	<0.50	<0.50
Copper	7440-50-8	N	UG/L		7	0.650 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.40 J
Lead	7439-92-1	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		<0.90	<0.90	<0.90	1.70 J	<0.90	2.50 J	<0.90	<0.90	<0.90
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ
Vanadium	7440-62-2	N	UG/L		<0.30	<0.30	1.20 J	<0.30	<0.30	<0.30	<0.30	<0.30	1.10 J
Zinc	7440-66-6	N	UG/L		5.0 B	6.0 B	3.30 B	3.80 B	3.90 B	3.30 B	9.0 B	2.80 B	40.3
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47

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Analyte	CAS No.	Filtered	Units	Location ID	MW212A	MW212B	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B
				Field Sample ID	16299395	16299397	16299389	16299385	16255854	16255848	16265277	16255843	16255845	16255831
				Sample Name	BRE-G-MW212A	BRE-G-MW212B	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B
				Date Sampled	03/27/2006	03/27/2006	03/27/2006	03/27/2006	03/23/2006	03/24/2006	03/24/2006	03/23/2006	03/23/2006	03/22/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.21 J	6	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.7	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	0.25 J	0.12 J	0.13 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	0.14 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	0.43 J	0.47 J	0.14 J	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.72	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.98	3.3	0.84	0.96	<0.15	<0.15	<0.15	<0.15	1.6	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	0.23 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	2.4	0.61	0.6	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW212A	MW212B	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B
				Field Sample ID	16299395	16299397	16299389	16299385	16255854	16255848	16265277	16255843	16255845	16255831
				Sample Name	BRE-G-MW212A	BRE-G-MW212B	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B
				Date Sampled	03/27/2006	03/27/2006	03/27/2006	03/27/2006	03/23/2006	03/24/2006	03/24/2006	03/23/2006	03/23/2006	03/22/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	0.28 J	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	0.19 B	0.24 B	0.12 B	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1 R	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.16	<0.16	<0.16	<0.16	0.19 J	0.21 J	<0.16	<0.16	0.18 J	<0.16
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	0.14 B	0.16 J	0.15 J	0.2 J	<0.1	0.22 J	0.14 J
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	0.23 J	<0.1	<0.1	<0.1	<0.1	0.35 J	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		0.35 J	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.95	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	0.82	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2 R	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.073	0.42	0.95	1.5	0.48	<0.01	0.022	<0.01	<0.01	0.011
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9 R	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1-Naphthylamine	134-32-7	N	UG/L		<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW212A	MW212B	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B
				Field Sample ID	16299395	16299397	16299389	16299385	16255854	16255848	16265277	16255843	16255845	16255831
				Sample Name	BRE-G-MW212A	BRE-G-MW212B	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B
				Date Sampled	03/27/2006	03/27/2006	03/27/2006	03/27/2006	03/23/2006	03/24/2006	03/24/2006	03/23/2006	03/23/2006	03/22/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5 R	<1.5 R	<1.5 R	<1.5 R	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8 UJ	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6	<2.6	<2.6	<2.6	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R	<2.6 R
Benzidine	92-87-5	N	UG/L		<0.44 R	<0.44 R	<0.44 R	<0.44 R	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		<20	<20	<20	<20	<20	24.7 J	<20	<20 R	<20	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	6.1 J	<1.3 R	14 J	<1.3 R	<1.3 R	<1.3 R
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		0.84 J	<0.77	1.7 J	1.84 J	0.952 J	<0.77	<0.77	<0.77	<0.77	<0.77
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R	<0.77 R

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW212A	MW212B	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B
				Field Sample ID	16299395	16299397	16299389	16299385	16255854	16255848	16265277	16255843	16255845	16255831
				Sample Name	BRE-G-MW212A	BRE-G-MW212B	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B
				Date Sampled	03/27/2006	03/27/2006	03/27/2006	03/27/2006	03/23/2006	03/24/2006	03/24/2006	03/23/2006	03/23/2006	03/22/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		1.1 J	3.3 J	26	1.4 J	62	<0.97	51	<0.97 R	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Methapyrilene	91-80-5	N	UG/L		<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98 UJ	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW212A	MW212B	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B
				Field Sample ID	16299395	16299397	16299389	16299385	16255854	16255848	16265277	16255843	16255845	16255831
				Sample Name	BRE-G-MW212A	BRE-G-MW212B	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B
				Date Sampled	03/27/2006	03/27/2006	03/27/2006	03/27/2006	03/23/2006	03/24/2006	03/24/2006	03/23/2006	03/23/2006	03/22/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L		<1.20	1.70 B	<1.20	2.30 B	<1.20	<1.20	<1.20	1.60 J	<1.20	<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		7.60 J	4.30 J	16.60 J	32.20 J	4.90 J	16.50 J	3.70 B	53.70 J	4.90 J	3.50 B
Beryllium	7440-41-7	N	UG/L		0.480 B	1.50 B	3.30 J	0.550 B	1.60 B	0.780 B	0.790 B	0.720 B	1.30 B	0.560 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		0.80 B	<0.40	1.20 B	0.690 B	1.40 B	0.870 B	1.20 B	1.10 B	1.50 B	0.940 B
Cobalt	7440-48-4	N	UG/L		5.3	<0.50	3.80 J	21.1	101	<0.50	<0.50	<0.50	<0.50	<0.50
Copper	7440-50-8	N	UG/L		<0.30	<0.30	0.450 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.60 J
Lead	7439-92-1	N	UG/L		<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.140 J
Nickel	7440-02-0	N	UG/L		<0.90	<0.90	4.0 J	<0.90	2.60 B	<0.90	<0.90	<0.90	1.40 B	1.20 B
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70 UJ	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70
Vanadium	7440-62-2	N	UG/L		<0.30	<0.30	0.460 J	0.940 J	<0.30	<0.30	<0.30	<0.30	1.50 J	<0.30
Zinc	7440-66-6	N	UG/L		8.10 B	2.40 B	4.70 B	32.6	8.40 B	4.10 B	22.90 B	4.50 B	24.50 B	8.0 B
<i>Miscellaneous</i>														
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW222A	MW222B	MW223A	MW223B	MW225A	MW225B	R87-S10	R87-S7	R87-S8	R87-S9
				Field Sample ID	16255827	16255829	16295871	16295873	16255823	16255825	16255856	16295661	16299387	16299383
				Sample Name	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-R87-S10	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	03/22/2006	03/22/2006	03/30/2006	03/30/2006	03/22/2006	03/22/2006	03/23/2006	03/29/2006	03/27/2006	03/27/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	2	<0.11	<0.11	<0.11	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		4.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.56	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		43	<0.15	<0.15	<0.15	13	0.47 J	<0.15	<0.15	<0.15	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW222A	MW222B	MW223A	MW223B	MW225A	MW225B	R87-S10	R87-S7	R87-S8	R87-S9
				Field Sample ID	16255827	16255829	16295871	16295873	16255823	16255825	16255856	16295661	16299387	16299383
				Sample Name	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-R87-S10	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	03/22/2006	03/22/2006	03/30/2006	03/30/2006	03/22/2006	03/22/2006	03/23/2006	03/29/2006	03/27/2006	03/27/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		0.73	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.43 J	<0.16	<0.16	<0.16	0.45 J	0.2 J	<0.16	<0.16	<0.16	<0.16
Toluene	108-88-3	N	UG/L		0.18 J	0.33 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		6	<0.1	<0.1	<0.1	3.3	0.22 J	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		1.9	<0.1	<0.1	<0.1	4.3	0.33 J	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	0.4 J	<0.13	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.043	110	<0.01	<0.01	0.015	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes	1330-20-7	N	UG/L		0.73	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4	<1.4	<1.4 UJ	<1.4 UJ	<1.4	<1.4	<1.4	<1.4 UJ	<1.4	<1.4
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1-Naphthylamine	134-32-7	N	UG/L		<2.2	<2.2	<2.2 UJ	<2.2 UJ	<2.2	<2.2	<2.2	<2.2 R	<2.2	<2.2
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
2-Chlorophenol	95-57-8	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW222A	MW222B	MW223A	MW223B	MW225A	MW225B	R87-S10	R87-S7	R87-S8	R87-S9
				Field Sample ID	16255827	16255829	16295871	16295873	16255823	16255825	16255856	16295661	16299387	16299383
				Sample Name	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-R87-S10	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	03/22/2006	03/22/2006	03/30/2006	03/30/2006	03/22/2006	03/22/2006	03/23/2006	03/29/2006	03/27/2006	03/27/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<1.5	<1.5	<1.5 R	<1.5 R	<1.5	<1.5	<1.5	<1.5 R	<1.5 R	<1.5 R
2-Nitroaniline	88-74-4	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
2-Nitrophenol	88-75-5	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Picoline	109-06-8	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8 UJ	<2.8 UJ
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53
3-Nitroaniline	99-09-2	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2	<1.2	<1.2 UJ	<1.2 UJ	<1.2	<1.2	<1.2	<1.2 UJ	<1.2	<1.2
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chloroaniline	106-47-8	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Nitroaniline	100-01-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
4-Nitrophenol	100-02-7	N	UG/L		<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Acenaphthene	83-32-9	N	UG/L		<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
Acenaphthylene	208-96-8	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Acetophenone	98-86-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aniline	62-53-3	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Anthracene	120-12-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Benzaldehyde	100-52-7	N	UG/L		<2.6 R	<2.6 R	<2.6	<2.6	<2.6 R	<2.6 R	<2.6 R	<2.6	<2.6	<2.6
Benzidine	92-87-5	N	UG/L		<0.44	<0.44	<0.44 R	<0.44 R	<0.44	<0.44	<0.44	<0.44	<0.44 R	<0.44 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Benzoic Acid	65-85-0	N	UG/L		<20	24.8 J	<20	<20	25.1 J	24.9 J	<20	<20	<20	<20
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Biphenyl	92-52-4	N	UG/L		<1.3 R	<1.3 R	<1.3	<1.3	<1.3 R	<1.3 R	<1.3 R	<1.3	<1.3	<1.3
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<0.77	<0.77	3.16 B	2.58 B	<0.77	<0.77	<0.77	1.55 B	1.86 J	1.03 J
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Carbazole	86-74-8	N	UG/L		<0.77 R	<0.77 R	<0.77	<0.77	<0.77 R	<0.77 R	<0.77 R	<0.77	<0.77	<0.77

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Analyte	CAS No.	Filtered	Units	Location ID	MW222A	MW222B	MW223A	MW223B	MW225A	MW225B	R87-S10	R87-S7	R87-S8	R87-S9	
				Field Sample ID	16255827	16255829	16295871	16295873	16255823	16255825	16255856	16295661	16299387	16299383	
				Sample Name	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-R87-S10	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9	
				Date Sampled	03/22/2006	03/22/2006	03/30/2006	03/30/2006	03/22/2006	03/22/2006	03/23/2006	03/29/2006	03/27/2006	03/27/2006	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
Chlorobenzilate	510-15-6	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
Chrysene	218-01-9	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Diallate	2303-16-4	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Dibenzofuran	132-64-9	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Diethylene Glycol	111-46-6	N	UG/L		<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200	<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Diphenyl Ether	101-84-8	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	2.5 J	<0.97	<0.97
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Fluoranthene	206-44-0	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Fluorene	86-73-7	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57 R	<0.57	<0.57	<0.57
Hexachloroethane	67-72-1	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59
Isodrin	465-73-6	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Isophorone	78-59-1	N	UG/L		<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Isosafrole	120-58-1	N	UG/L		<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6 UJ	<1.6	<1.6	<1.6
Methapyrilene	91-80-5	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98 UJ	<0.98 UJ	<0.98 UJ
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
Naphthalene	91-20-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Nitrobenzene	98-95-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1
O-Toluidine	95-53-4	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R	<32 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Pentachlorophenol	87-86-5	N	UG/L		<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	MW222A	MW222B	MW223A	MW223B	MW225A	MW225B	R87-S10	R87-S7	R87-S8	R87-S9
				Field Sample ID	16255827	16255829	16295871	16295873	16255823	16255825	16255856	16295661	16299387	16299383
				Sample Name	BRE-G-MW222A	BRE-G-MW222B	BRE-G-MW223A	BRE-G-MW223B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-R87-S10	BRE-G-R87-S7	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	03/22/2006	03/22/2006	03/30/2006	03/30/2006	03/22/2006	03/22/2006	03/23/2006	03/29/2006	03/27/2006	03/27/2006
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Phenacetin	62-44-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Phenanthrene	85-01-8	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Phenol	108-95-2	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Propylene Glycol	57-55-6	N	UG/L		<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900	<3900
Pyrene	129-00-0	N	UG/L		<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Pyridine	110-86-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Safrole	94-59-7	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Thionazin	297-97-2	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900	<6900
Dimethoate	60-51-5	N	UG/L		<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Pronamide	23950-58-5	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L		<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
Arsenic	7440-38-2	N	UG/L		<1.40	<1.40	1.60 J	<1.40	2.80 J	<1.40	<1.40	<1.40	<1.40	<1.40
Barium	7440-39-3	N	UG/L		31.50 J	3.90 J	31.60 J	13.80 J	147.0 J	3.70 B	22.0 J	17.10 J	22.0 J	27.90 J
Beryllium	7440-41-7	N	UG/L		0.540 B	0.590 B	2.0 B	1.90 B	2.80 J	0.50 B	0.470 B	0.450 B	0.990 B	0.640 B
Cadmium	7440-43-9	N	UG/L		<0.20	<0.20	<0.20	0.210 B	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chromium	7440-47-3	N	UG/L		1.30 B	1.70 B	0.710 B	0.930 B	2.30 B	1.30 B	1.10 B	0.620 J	1.20 B	<0.40
Cobalt	7440-48-4	N	UG/L		5.8	<0.50	<0.50	<0.50	3.10 J	<0.50	<0.50	<0.50	1.20 J	<0.50
Copper	7440-50-8	N	UG/L		<0.30	0.920 J	<0.30	<0.30	5	<0.30	<0.30	<0.30	<0.30	<0.30
Lead	7439-92-1	N	UG/L		<1.0	<1.0	2.90 J	1.60 J	11.8	<1.0	<1.0	<1.0	<1.0 UJ	<1.0 UJ
Mercury	7439-97-6	N	UG/L		0.160 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		1.30 B	1.20 B	<0.90	<0.90	2.40 B	<0.90	<0.90	<0.90	<0.90	<0.90
Selenium	7782-49-2	N	UG/L		<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
Silver	7440-22-4	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Thallium	7440-28-0	N	UG/L		<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ	<3.90 UJ
Tin	7440-31-5	N	UG/L		<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70	<6.70 UJ	<6.70 UJ
Vanadium	7440-62-2	N	UG/L		<0.30	0.310 J	0.930 J	0.30 J	3.30 J	<0.30	2.50 J	0.380 J	1.80 J	<0.30
Zinc	7440-66-6	N	UG/L		16.20 B	30.70 B	7.20 B	7.20 B	33.10 B	5.50 B	5.70 B	2.60 B	5.70 B	3.10 B
<i>Miscellaneous</i>														
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9	R87-S9
				Field Sample ID	16299536	16299864
				Sample Name	BRE-G-R87-S9-DUP	BRE-G-MW-R87-S9-DUP
				Date Sampled	03/27/2006	03/27/2006
				Sample Purpose	DUP	DUP
<i>Volatile Organic Compounds</i>						
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	
2-Hexanone	591-78-6	N	UG/L		<0.5	
Acetone	67-64-1	N	UG/L		<0.76	
Acetonitrile	75-05-8	N	UG/L		<0.1	
Allyl Chloride	107-05-1	N	UG/L		<0.1	
Benzene	71-43-2	N	UG/L		<0.1	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	
Bromoform	75-25-2	N	UG/L		<0.1	
Carbon Disulfide	75-15-0	N	UG/L		<0.1	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	
Chloroform	67-66-3	N	UG/L		<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.12	
Ethyl Methacrylate	97-63-2	N	UG/L		<1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	
Ethylene Glycol	107-21-1	N	UG/L			<5200
Iodomethane	74-88-4	N	UG/L		<0.46	
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	
Meta- And Para-Xylene	EVS0253	N	UG/L		0.24 J	
Methacrylonitrile	126-98-7	N	UG/L		<1	
Methyl Bromide	74-83-9	N	UG/L		<0.14	
Methyl Chloride	74-87-3	N	UG/L		<0.1	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	

Summary of Analytical Results - Surficial Aquifer Groundwater - 2006
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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9	R87-S9
				Field Sample ID	16299536	16299864
				Sample Name	BRE-G-R87-S9-DUP	BRE-G-MW-R87-S9-DUP
				Date Sampled	03/27/2006	03/27/2006
				Sample Purpose	DUP	DUP
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	
Methyl Methacrylate	80-62-6	N	UG/L		<1	
Methylene Bromide	74-95-3	N	UG/L		<0.11	
Methylene Chloride	75-09-2	N	UG/L		<0.12	
Ortho-Xylene	95-47-6	N	UG/L		<0.1	
Pentachloroethane	76-01-7	N	UG/L		<0.13	
Propionitrile	107-12-0	N	UG/L		<7.6	
Styrene	100-42-5	N	UG/L		<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.16	
Toluene	108-88-3	N	UG/L		<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	
Trichloroethene	79-01-6	N	UG/L		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.01	
Xylenes	1330-20-7	N	UG/L		0.25 J	
<i>Semivolatile Organic Compounds</i>						
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<1	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.99	
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.74	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<0.41	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.72	
1,4-Dioxane	123-91-1	N	UG/L		<6.9	
1,4-Naphthoquinone	130-15-4	N	UG/L		<1.4 UJ	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.94	
1-Naphthylamine	134-32-7	N	UG/L		<2.2 R	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<1.6	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<4.3	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<2.9	
2,4-Dichlorophenol	120-83-2	N	UG/L		<1.3	
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.96	
2,4-Dinitrophenol	51-28-5	N	UG/L		<3.5	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<0.76	
2,6-Dichlorophenol	87-65-0	N	UG/L		<1.4	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.74	
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.8	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.81	
2-Chlorophenol	95-57-8	N	UG/L		<1.2	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.83	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.77	

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9	R87-S9
				Field Sample ID	16299536	16299864
				Sample Name	BRE-G-R87-S9-DUP	BRE-G-MW-R87-S9-DUP
				Date Sampled	03/27/2006	03/27/2006
				Sample Purpose	DUP	DUP
2-Naphthylamine	91-59-8	N	UG/L		<1.5 R	
2-Nitroaniline	88-74-4	N	UG/L		<0.96	
2-Nitrophenol	88-75-5	N	UG/L		<1.4	
2-Picoline	109-06-8	N	UG/L		<0.6	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.7	
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<2.8	
3-Methylcholanthrene	56-49-5	N	UG/L		<0.53	
3-Nitroaniline	99-09-2	N	UG/L		<1.4	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<4.2	
4-Aminobiphenyl	92-67-1	N	UG/L		<1.2 UJ	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.81	
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.48	
4-Chloroaniline	106-47-8	N	UG/L		<0.68	
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.89	
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.86	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<1.6	
4-Nitroaniline	100-01-6	N	UG/L		<1.3	
4-Nitrophenol	100-02-7	N	UG/L		<3.8	
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<10	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<1.4	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.57	
Acenaphthene	83-32-9	N	UG/L		<2.9	
Acenaphthylene	208-96-8	N	UG/L		<0.92	
Acetophenone	98-86-2	N	UG/L		<1.2	
Aniline	62-53-3	N	UG/L		<0.86	
Anthracene	120-12-7	N	UG/L		<0.96	
Benzaldehyde	100-52-7	N	UG/L		<2.6	
Benzidine	92-87-5	N	UG/L		<0.44	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.89	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1.2	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.65	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1.4	
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.67	
Benzoic Acid	65-85-0	N	UG/L		24.7 J	
Benzyl Alcohol	100-51-6	N	UG/L		<1.7	
Biphenyl	92-52-4	N	UG/L		<1.3	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.93	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.79	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.86	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		1.96 B	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1.6	
Carbazole	86-74-8	N	UG/L		<0.77	

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9	R87-S9
				Field Sample ID	16299536	16299864
				Sample Name	BRE-G-R87-S9-DUP	BRE-G-MW-R87-S9-DUP
				Date Sampled	03/27/2006	03/27/2006
				Sample Purpose	DUP	DUP
Chlorobenzilate	510-15-6	N	UG/L		<0.75	
Chrysene	218-01-9	N	UG/L		<0.93	
Diallate	2303-16-4	N	UG/L		<0.43	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.67	
Dibenzofuran	132-64-9	N	UG/L		<0.94	
Diethyl Phthalate	84-66-2	N	UG/L		<1.2	
Diethylene Glycol	111-46-6	N	UG/L			<4200
Dimethyl Phthalate	131-11-3	N	UG/L		<1.8	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<0.86	
Diphenyl Ether	101-84-8	N	UG/L		<0.97	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.92	
Fluoranthene	206-44-0	N	UG/L		<0.74	
Fluorene	86-73-7	N	UG/L		<0.85	
Hexachlorobenzene	118-74-1	N	UG/L		<0.82	
Hexachlorobutadiene	87-68-3	N	UG/L		<0.89	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<0.57 R	
Hexachloroethane	67-72-1	N	UG/L		<0.91	
Hexachloropropylene	1888-71-7	N	UG/L		<0.91	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.59	
Isodrin	465-73-6	N	UG/L		<0.78	
Isophorone	78-59-1	N	UG/L		<0.48	
Isosafrole	120-58-1	N	UG/L		<1.6 UJ	
Methapyrilene	91-80-5	N	UG/L		<0.98	
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.78	
Naphthalene	91-20-3	N	UG/L		<0.9	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.69	
Nitrobenzene	98-95-3	N	UG/L		<1.1	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<0.62	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.86	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<0.56	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<0.84	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.87	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.76	
N-Nitrosomorpholine	59-89-2	N	UG/L		<1.8	
N-Nitrosopiperidine	100-75-4	N	UG/L		<1	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.78	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<8.1	
O-Toluidine	95-53-4	N	UG/L		<0.9	
para-Phenylenediamine	106-50-3	N	UG/L		<32 R	
Pentachlorobenzene	608-93-5	N	UG/L		<0.83	
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.74	
Pentachlorophenol	87-86-5	N	UG/L		<3.2	

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9	R87-S9
				Field Sample ID	16299536	16299864
				Sample Name	BRE-G-R87-S9-DUP	BRE-G-MW-R87-S9-DUP
				Date Sampled	03/27/2006	03/27/2006
				Sample Purpose	DUP	DUP
Phenacetin	62-44-2	N	UG/L		<0.89	
Phenanthrene	85-01-8	N	UG/L		<0.74	
Phenol	108-95-2	N	UG/L		<0.43	
Propylene Glycol	57-55-6	N	UG/L			<3900
Pyrene	129-00-0	N	UG/L		<0.85	
Pyridine	110-86-1	N	UG/L		<0.5	
Safrole	94-59-7	N	UG/L		<0.96	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.84	
Thionazin	297-97-2	N	UG/L		<0.93	
Triethylene Glycol	112-27-6	N	UG/L			<6900
Dimethoate	60-51-5	N	UG/L		<1.5	
Pronamide	23950-58-5	N	UG/L		<0.87	
<i>Inorganics</i>						
Antimony	7440-36-0	N	UG/L		1.70 B	
Arsenic	7440-38-2	N	UG/L		1.40 J	
Barium	7440-39-3	N	UG/L		28.40 J	
Beryllium	7440-41-7	N	UG/L		0.480 B	
Cadmium	7440-43-9	N	UG/L		<0.20	
Chromium	7440-47-3	N	UG/L		0.610 B	
Cobalt	7440-48-4	N	UG/L		0.550 J	
Copper	7440-50-8	N	UG/L		<0.30	
Lead	7439-92-1	N	UG/L		<1.0	
Mercury	7439-97-6	N	UG/L		<0.10	
Nickel	7440-02-0	N	UG/L		0.950 J	
Selenium	7782-49-2	N	UG/L		<3.30	
Silver	7440-22-4	N	UG/L		<0.50	
Thallium	7440-28-0	N	UG/L		<3.90 UJ	
Tin	7440-31-5	N	UG/L		<6.70	
Vanadium	7440-62-2	N	UG/L		<0.30	
Zinc	7440-66-6	N	UG/L		9.30 B	
<i>Miscellaneous</i>						
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.43	
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.47	

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104B	MW105	MW105	MW106A	MW106B
				Field Sample ID	18436447	18436427	18436429	18436435	18436437	18443169	18443176	18443178	18443180
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW105-DUP	BRE-G-MW106A	BRE-G-MW106B
				Date Sampled	08/27/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/29/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	0.83	0.77	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.27 J	0.36 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	1.6	1.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	1.1	0.90	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		3.0 B	4.9 B	3.7 B	3.1 B	3.1 B	1.9 B	3.3 B	2.5 B	2.3 B
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	0.17 B	0.13 B	0.11 B	0.21 B	<0.1	<0.1	0.29 B	0.15 B
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	16	7.6	<0.15	0.71	<0.15	<0.15	0.40 J	0.33 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.66	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104B	MW105	MW105	MW106A	MW106B
				Field Sample ID	18436447	18436427	18436429	18436435	18436437	18443169	18443176	18443178	18443180
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW105-DUP	BRE-G-MW106A	BRE-G-MW106B
				Date Sampled	08/27/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/29/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.23 J	0.24 J	0.42 J	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	4.0	2.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	2.7	1.7	<0.1	0.13 J	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.002	10	5.1	<0.002	0.24	<0.002	<0.002	0.22	0.043
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
1-Naphthylamine	134-32-7	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104B	MW105	MW105	MW106A	MW106B
				Field Sample ID	18436447	18436427	18436429	18436435	18436437	18443169	18443176	18443178	18443180
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW105-DUP	BRE-G-MW106A	BRE-G-MW106B
				Date Sampled	08/27/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/29/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64
2-Picoline	109-06-8	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79 R	<0.79 R	<0.79 R	<0.79 R
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
Acenaphthene	83-32-9	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Acenaphthylene	208-96-8	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
Acetophenone	98-86-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
Aniline	62-53-3	N	UG/L		<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3 R	<1.3 R	<1.3 R	<1.3 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Carbazole	86-74-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzilate	510-15-6	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
Chrysene	218-01-9	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
Diallate	2303-16-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104B	MW105	MW105	MW106A	MW106B
				Field Sample ID	18436447	18436427	18436429	18436435	18436437	18443169	18443176	18443178	18443180
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW105-DUP	BRE-G-MW106A	BRE-G-MW106B
				Date Sampled	08/27/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/29/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzofuran	132-64-9	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	1.1 J	1.1 J	<0.99	<0.99
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Fluoranthene	206-44-0	N	UG/L		<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085
Fluorene	86-73-7	N	UG/L		<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
Isodrin	465-73-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Isophorone	78-59-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Isosafrole	120-58-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Methapyrilene	91-80-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2 R	<1.2 R	<1.2 R	<1.2 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Naphthalene	91-20-3	N	UG/L		0.014 B	0.0051 B	0.0069 B	<0.005	<0.005	<0.005	<0.005	0.0056 B	0.0070 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Nitrobenzene	98-95-3	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
O-Toluidine	95-53-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Phenacetin	62-44-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
Phenanthrene	85-01-8	N	UG/L		0.026 B	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Phenol	108-95-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW101	MW102A	MW102B	MW104A	MW104B	MW105	MW105	MW106A	MW106B
				Field Sample ID	18436447	18436427	18436429	18436435	18436437	18443169	18443176	18443178	18443180
				Sample Name	BRE-G-MW101	BRE-G-MW102A	BRE-G-MW102B	BRE-G-MW104A	BRE-G-MW104B	BRE-G-MW105	BRE-G-MW105-DUP	BRE-G-MW106A	BRE-G-MW106B
				Date Sampled	08/27/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/29/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Pyridine	110-86-1	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81 R	<0.81 R	<0.81 R	<0.81 R
Safrole	94-59-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Pronamide	23950-58-5	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	3.20 J	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40
Barium	7440-39-3	N	UG/L		6.30 J	0.740 J	0.930 J	9.80 J	3.60 J	12.90 B	19.70 B	78.70 B	1.20 B
Beryllium	7440-41-7	N	UG/L		<0.50	<0.50	<0.50	<0.50	<0.50	0.510 B	0.560 B	0.550 B	0.970 B
Cadmium	7440-43-9	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	7440-47-3	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	1.20 B	2.0 B	<0.90	<0.90
Cobalt	7440-48-4	N	UG/L		<0.70	1.10 J	<0.70	<0.70	<0.70	<0.70	<0.70	3.60 B	<0.70
Copper	7440-50-8	N	UG/L		<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		4.10 J	<0.60	<0.60	<0.60	<0.60	0.980 B	1.50 B	0.970 B	2.60 B
Selenium	7782-49-2	N	UG/L		<4.50	<4.50	<4.50	<4.50	<4.50	<4.50 UJ	<4.50 UJ	<4.50 UJ	<4.50 UJ
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Thallium	7440-28-0	N	UG/L		<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ
Tin	7440-31-5	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Vanadium	7440-62-2	N	UG/L		<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	1.20 B	0.730 B	<0.60
Zinc	7440-66-6	N	UG/L		4.70 B	3.80 B	2.70 B	6.20 B	4.0 B	4.80 B	7.40 B	7.10 B	7.60 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54

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Analyte	CAS No.	Filtered	Units	Location ID	MW107A	MW107B	MW107B	MW108	MW109A	MW109B	MW110A	MW110A	MW110B
				Field Sample ID	18438029	18438025	18438030	18438106	18438114	18438116	18443194	18560349	18436455
				Sample Name	BRE-G-MW107A	BRE-G-MW107B-DUP	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/30/2007	08/30/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.12		<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.11		<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.15		<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		0.29 J	<0.1	<0.1	0.44 J	<0.1	<0.1	<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	0.21 J	<0.1	<0.1	<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.17		<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5
Acetone	67-64-1	N	UG/L		2.1 B	1.4 B	2.9 B	1.3 B	1.9 B	3.8 B	3.8 B		2.7 B
Acetonitrile	75-05-8	N	UG/L		<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.1		<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.1		<0.1
Benzene	71-43-2	N	UG/L		0.36 J	<0.1	<0.1	0.32 B	0.11 B	<0.1	<0.1		<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Bromoform	75-25-2	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.13 J	<0.1	<0.1	<0.1		<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.36 J	<0.1	<0.1	6.2	<0.1	<0.1	<0.15		<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.11		<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.12		<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200		<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.46		<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7		<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		0.23 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1
Methyl Bromide	74-83-9	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.14		<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.79		<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW107A	MW107B	MW107B	MW108	MW109A	MW109B	MW110A	MW110A	MW110B
				Field Sample ID	18438029	18438025	18438030	18438106	18438114	18438116	18443194	18560349	18436455
				Sample Name	BRE-G-MW107A	BRE-G-MW107B-DUP	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/30/2007	08/30/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.57		<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1		<1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.11		<0.11
Methylene Chloride	75-09-2	N	UG/L		0.16 B	<0.1	0.14 B	<0.1	0.12 B	0.12 B	<0.12		<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.13		<0.13
Propionitrile	107-12-0	N	UG/L		<5	<5	<5	<5	<5	<5	<7.6		<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.11	<0.11	<0.11	3.0	0.14 J	<0.11	0.27 J		0.23 J
Toluene	108-88-3	N	UG/L		0.13 J	<0.1	<0.1	<0.1	<0.1	<0.1	0.10 B		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	0.10 J	<0.1	<0.1	<0.1		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4		<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	4.4	<0.1	<0.1	<0.1		0.68
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	0.11 J	0.28 J	<0.1	<0.1	<0.13		<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.60	<0.002	<0.002	4.2	<0.002	<0.002	<0.002		<0.002
Xylenes	1330-20-7	N	UG/L		0.24 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.7		<0.69	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.73	<0.73	<0.73	<0.73	<0.75		<0.73	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1		<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.96		<0.94	<0.94
1,4-Dioxane	123-91-1	N	UG/L		12 J	<2.5	<2.5	<2.5	<2.5	<2.5	<6.9		<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.23		<0.22	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		0.059 J	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015
1-Naphthylamine	134-32-7	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.7		<0.68	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.91		<0.89	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1.1		<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<1		<0.98	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.84		<0.82	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.6		<2.5	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.8		<0.78	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.91		<0.88	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<1		<0.99	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.91		<0.88	<0.88
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.59		<0.58	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		0.041 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0097		0.019 J	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.9		<0.88	<0.88

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Analyte	CAS No.	Filtered	Units	Location ID	MW107A	MW107B	MW107B	MW108	MW109A	MW109B	MW110A	MW110A	MW110B
				Field Sample ID	18438029	18438025	18438030	18438106	18438114	18438116	18443194	18560349	18436455
				Sample Name	BRE-G-MW107A	BRE-G-MW107B-DUP	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/30/2007	08/30/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.71	<0.71	<0.71	<0.71	<0.71	<0.73		<0.71	<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<0.64	<0.64	<0.64	<0.64	<0.66		<0.64	<0.64
2-Picoline	109-06-8	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.81		<0.79 R	<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.94		<0.92	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.8		<0.78	<0.78
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.85		<0.82	<0.82
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.78		<0.76	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55	<0.55	<0.55	<0.55	<0.55	<0.56		<0.55	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.93		<0.9	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<1		<0.99	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.94		<0.92	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.76		<0.74	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<0.93	<0.93	<0.93 UJ	<0.93	<0.95		<0.93	<0.93
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.94		<0.92	<0.92
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.77		<0.75	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.62		<0.6	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.89		<0.87	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.74		<0.72	<0.72
Acenaphthene	83-32-9	N	UG/L		0.020 J	<0.008	<0.008	<0.008	<0.008	<0.0082		0.012 J	<0.008
Acenaphthylene	208-96-8	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.0092		<0.009	<0.009
Acetophenone	98-86-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.64		<0.63	<0.63
Aniline	62-53-3	N	UG/L		<0.61	<0.61	<0.61	<0.61	<0.61	<0.63		<0.61	<0.61
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.4		<1.3 R	<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.0082		<0.008	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077		<0.0075	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011		<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	<0.007	<0.007	<0.007	<0.007	<0.0072		<0.007	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077		<0.0075	<0.0075
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.92		<0.89	<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.95		<0.93	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.58		<0.57	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.99		<0.97	<0.97
Carbazole	86-74-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.51		<0.5	<0.5
Chlorobenzilate	510-15-6	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.98		<0.95	<0.95
Chrysene	218-01-9	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.0092		<0.009	<0.009
Diallate	2303-16-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.64		<0.63	<0.63

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Analyte	CAS No.	Filtered	Units	Location ID	MW107A	MW107B	MW107B	MW108	MW109A	MW109B	MW110A	MW110A	MW110B
				Field Sample ID	18438029	18438025	18438030	18438106	18438114	18438116	18443194	18560349	18436455
				Sample Name	BRE-G-MW107A	BRE-G-MW107B-DUP	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/30/2007	08/30/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
Dibenzofuran	132-64-9	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.89		<0.87	<0.87
Diethyl Phthalate	84-66-2	N	UG/L		1.6 B	<0.99	<0.99	<0.99	<0.99	<1		<0.99	<0.99
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300		<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.99		<0.97	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.77		<0.76	<0.76
Fluoranthene	206-44-0	N	UG/L		<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0087		0.012 J	<0.0085
Fluorene	86-73-7	N	UG/L		0.0083 J	<0.0065	<0.0065	0.0065 J	<0.0065	<0.0067		0.023 B	<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.97		<0.94	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.83		<0.81	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.59		<0.57	<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.58		<0.57	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0097		<0.0095	<0.0095
Isodrin	465-73-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.94		<0.92	<0.92
Isophorone	78-59-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.99		<0.96	<0.96
Isosafrole	120-58-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.99		<0.96	<0.96
Methapyrilene	91-80-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.3		<1.2 R	<1.2
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.23		<0.22	<0.22
Naphthalene	91-20-3	N	UG/L		0.81	0.0054 B	0.0057 B	0.0067 J	0.0068 B	0.0055 B		0.033 B	0.0076 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.92		<0.89	<0.89
Nitrobenzene	98-95-3	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.77		<0.76	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3		<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.97		<0.95	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.91		<0.89	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.59		<0.58	<0.58
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.69		<0.67	<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.64		<0.63	<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.9		<0.88	<0.88
O-Toluidine	95-53-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.65		<0.63	<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R		<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.78		<0.76	<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.92		<0.89	<0.89
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1		<1.1	<1.1
Phenacetin	62-44-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<1		<0.98	<0.98
Phenanthrene	85-01-8	N	UG/L		<0.023	<0.023	<0.023	<0.023	<0.023	<0.024		0.11 B	<0.023
Phenol	108-95-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.67		<0.65	<0.65
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700		<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW107A	MW107B	MW107B	MW108	MW109A	MW109B	MW110A	MW110A	MW110B
				Field Sample ID	18438029	18438025	18438030	18438106	18438114	18438116	18443194	18560349	18436455
				Sample Name	BRE-G-MW107A	BRE-G-MW107B-DUP	BRE-G-MW107B	BRE-G-MW108	BRE-G-MW109A	BRE-G-MW109B	BRE-G-MW110A	BRE-G-MW110A	BRE-G-MW110B
				Date Sampled	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/30/2007	08/30/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077		<0.0075	<0.0075
Pyridine	110-86-1	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.83		<0.81 R	<0.81
Safrole	94-59-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.83		<0.81	<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.93		<0.9	<0.9
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300		<6300
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2
Pronamide	23950-58-5	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.94		<0.92	<0.92
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	<4.40	<4.40	<4.40	<4.40	<4.40			<4.40
Barium	7440-39-3	N	UG/L		84.30 J	1.20 B	1.0 B	12.30 J	12.50 B	9.80 B			18.70 J
Beryllium	7440-41-7	N	UG/L		<0.50	<0.50	<0.50	0.710 J	<0.50	<0.50			0.780 J
Cadmium	7440-43-9	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30			<0.30
Chromium	7440-47-3	N	UG/L		1.20 J	1.10 J	<0.90	1.10 J	<0.90	<0.90			8.10 J
Cobalt	7440-48-4	N	UG/L		1.80 B	<0.70	<0.70	<0.70	<0.70	<0.70			1.60 J
Copper	7440-50-8	N	UG/L		<1.90	<1.90	<1.90	<1.90	<1.90	<1.90			2.0 J
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	<1.50	<1.50	<1.50			3.7
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10 UJ	<0.10	<0.10			<0.10
Nickel	7440-02-0	N	UG/L		1.50 B	1.30 B	0.790 B	1.10 J	0.790 B	1.20 B			2.80 B
Selenium	7782-49-2	N	UG/L		<4.50	<4.50	<4.50	<4.50	<4.50	<4.50			<4.50
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90			<0.90
Thallium	7440-28-0	N	UG/L		<7.30	<7.30	<7.30	<7.30	<7.30	<7.30			<7.30 UJ
Tin	7440-31-5	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0			<7.0
Vanadium	7440-62-2	N	UG/L		1.80 B	<0.60	<0.60	<0.60	<0.60	<0.60			6.30 J
Zinc	7440-66-6	N	UG/L		10.20 B	12.80 B	20.60 B	8.30 B	14.60 B	5.10 B			24.90 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.61		<0.6	<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54	<0.54	<0.54	<0.54	<0.54	<0.55		<0.54	<0.54

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Analyte	CAS No.	Filtered	Units	Location ID	MW111A	MW111B	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	18443163	18443165	18443167	18443171	18436443	18436445	18436451	18436453	18443159
				Sample Name	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	2.3	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	4.8	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	0.12 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.24 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	0.10 B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		3.0 B	2.7 B	2.6 B	2.0 B	2.6 B	2.3 B	2.6 B	3.3 B	3.2 B
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.86 B	<0.1	0.10 B	0.11 B	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.31 B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	17	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200 UJ	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW111A	MW111B	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	18443163	18443165	18443167	18443171	18436443	18436445	18436451	18436453	18443159
				Sample Name	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.19 J	15	0.30 J	0.21 J	<0.16	0.16 J	0.27 J	<0.16	0.43 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	0.38 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	180	<0.1	0.35 J	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.002	<0.002	<0.002	<0.002	0.11	<0.002	<0.002	<0.002	<0.002
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.7
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.75
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.96
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.23
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
1-Naphthylamine	134-32-7	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.7
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.91
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1.1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.84
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.6
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.8
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.91
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.91
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.59
2-Methylnaphthalene	91-57-6	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.011 J	<0.0095	0.013 J
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.9

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Analyte	CAS No.	Filtered	Units	Location ID	MW111A	MW111B	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	18443163	18443165	18443167	18443171	18436443	18436445	18436451	18436453	18443159
				Sample Name	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.73
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.66
2-Picoline	109-06-8	N	UG/L		<0.79 R	<0.79 R	<0.79 R	<0.79 R	<0.79	<0.79	<0.79	<0.79	<0.81 R
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.94
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.8
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.85
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.78
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.56
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.93
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.94
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.76
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.95
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.94
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.77
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.62
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.89
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.74
Acenaphthene	83-32-9	N	UG/L		<0.008	<0.008	<0.008	<0.008	0.14	<0.008	<0.008	<0.008	<0.0082
Acenaphthylene	208-96-8	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.0092
Acetophenone	98-86-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.64
Aniline	62-53-3	N	UG/L		<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.63
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3	<1.3	<1.3	<1.3	<1.4 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.0082
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.0072
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.92
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.95
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.58
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	1.4 J	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.99
Carbazole	86-74-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.51
Chlorobenzilate	510-15-6	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.98
Chrysene	218-01-9	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.0092
Diallate	2303-16-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.64

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Analyte	CAS No.	Filtered	Units	Location ID	MW111A	MW111B	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	18443163	18443165	18443167	18443171	18436443	18436445	18436451	18436453	18443159
				Sample Name	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzofuran	132-64-9	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.89
Diethyl Phthalate	84-66-2	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<1
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.99
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.77
Fluoranthene	206-44-0	N	UG/L		<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0087
Fluorene	86-73-7	N	UG/L		0.0069 B	<0.0065	0.0067 B	0.0065 B	0.13	<0.0065	<0.0065	<0.0065	<0.0067
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.97
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.83
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.59
Hexachloropropylene	1888-71-7	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.58
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0097
Isodrin	465-73-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.94
Isophorone	78-59-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.99
Isosafrole	120-58-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.99
Methapyrilene	91-80-5	N	UG/L		<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2	<1.2	<1.2	<1.2	<1.3 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.23
Naphthalene	91-20-3	N	UG/L		0.0083 B	0.0065 B	0.0097 B	0.0059 B	0.012 B	0.0095 B	0.019 B	0.0080 B	0.027 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.92
Nitrobenzene	98-95-3	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.77
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.97
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.91
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.59
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.69
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.64
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.9
O-Toluidine	95-53-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.65
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.78
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.92
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Phenacetin	62-44-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<1
Phenanthrene	85-01-8	N	UG/L		0.035 B	0.030 B	0.031 B	0.025 B	0.031 B	0.024 B	<0.023	<0.023	0.025 B
Phenol	108-95-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.67
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW111A	MW111B	MW112A	MW112B	MW114A	MW114B	MW201A	MW201B	MW202A
				Field Sample ID	18443163	18443165	18443167	18443171	18436443	18436445	18436451	18436453	18443159
				Sample Name	BRE-G-MW111A	BRE-G-MW111B	BRE-G-MW112A	BRE-G-MW112B	BRE-G-MW114A	BRE-G-MW114B	BRE-G-MW201A	BRE-G-MW201B	BRE-G-MW202A
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/28/2007	08/28/2007	08/28/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0077
Pyridine	110-86-1	N	UG/L		<0.81 R	<0.81 R	<0.81 R	<0.81 R	<0.81	<0.81	<0.81	<0.81	<0.83 R
Safrole	94-59-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.83
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.93
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Pronamide	23950-58-5	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.94
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	5.10 J	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40
Barium	7440-39-3	N	UG/L		23.90 B	122.0 J	40.10 B	20.80 B	9.10 J	<0.40	22.20 J	10.80 J	12.0 J
Beryllium	7440-41-7	N	UG/L		0.60 B	3.0 J	<0.50	0.640 B	<0.50	<0.50	<0.50	<0.50	<0.50
Cadmium	7440-43-9	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	7440-47-3	N	UG/L		1.20 B	13.7	<0.90	1.60 B	<0.90	<0.90	<0.90	<0.90	<0.90
Cobalt	7440-48-4	N	UG/L		0.980 B	9.80 B	<0.70	0.930 B	<0.70	<0.70	<0.70	<0.70	<0.70
Copper	7440-50-8	N	UG/L		<1.90	4.80 B	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90
Lead	7439-92-1	N	UG/L		<1.50	15.7	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		0.890 B	9.30 B	1.30 B	1.70 B	8.30 J	<0.60	<0.60	0.670 B	1.10 B
Selenium	7782-49-2	N	UG/L		<4.50 UJ	<4.50 UJ	<4.50 UJ	<4.50 UJ	<4.50	<4.50	<4.50	<4.50	<4.50 UJ
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Thallium	7440-28-0	N	UG/L		<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ
Tin	7440-31-5	N	UG/L		<7.0	11.10 J	7.40 J	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Vanadium	7440-62-2	N	UG/L		1.60 B	33.5	<0.60	3.70 B	<0.60	<0.60	<0.60	1.90 J	<0.60
Zinc	7440-66-6	N	UG/L		8.30 B	100.00	10.90 B	11.90 B	<1.80	2.90 B	4.30 B	8.80 B	4.50 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.61
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.55

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B	MW207A	MW207B
				Field Sample ID	18443161	18438015	18438017	18438011	18438013	18468503	18443601	18438100	18438102
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B	BRE-G-MW207A	BRE-G-MW207B
				Date Sampled	08/28/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/31/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		1.8	<0.1	<0.1	<0.1	<0.1	<0.1	0.24 J	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		4.6	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	0.17 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		0.16 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 J
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		2.8 B	2.9 B	1.5 B	4.0 B	2.2 B	1.9 B	2.8 B	1.6 B	1.3 B
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	0.19 J	<0.1	<0.1	<0.1	0.19 B	0.14 B
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 J	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		6.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11 J	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		5.7	<0.1	<0.1	0.27 J	3.3	<0.1	3.2	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	0.14 J	<0.1	0.35 J	<0.1	0.72	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200 UJ	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B	MW207A	MW207B
				Field Sample ID	18443161	18438015	18438017	18438011	18438013	18468503	18443601	18438100	18438102
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B	BRE-G-MW207A	BRE-G-MW207B
				Date Sampled	08/28/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/31/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.1	<0.1	0.10 B	<0.1	<0.1	<0.1	<0.1	<0.1
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propionitrile	107-12-0	N	UG/L		<7.6	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		4.8	<0.11	<0.11	<0.11	0.35 J	<0.11	1.1	<0.11	<0.11
Toluene	108-88-3	N	UG/L		0.68 B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		110	<0.1	<0.1	<0.1	6.5	<0.1	26	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	<0.1	<0.1	<0.1	<0.1	17	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.002	<0.002	<0.002	0.085	<0.002	<0.002	<0.002	<0.002	<0.002
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.72	<0.69	<0.69	<0.72	<0.69	<0.69	<0.69	<0.69	<0.72
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.77	<0.73	<0.73	<0.77	<0.73	<0.73	<0.73	<0.73	<0.77
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.99	<0.94	<0.94	<0.99	<0.94	<0.94	<0.94	<0.94	<0.99
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.24	<0.22	<0.22	<0.24	<0.22	<0.22	<0.22	<0.22	<0.24
1-Methylnaphthalene	90-12-0	N	UG/L		<0.016	<0.015	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	<0.016
1-Naphthylamine	134-32-7	N	UG/L		<0.72	<0.68	<0.68	<0.72	<0.68	<0.68	<0.68	<0.68	<0.72
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.94	<0.89	<0.89	<0.94	<0.89	<0.89	<0.89	<0.89	<0.94
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1.1	<1	<1	<1.1	<1	<1	<1	<1	<1.1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<0.98	<0.98	<1	<0.98	<0.98	<0.98	<0.98	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.86	<0.82	<0.82	<0.86	<0.82	<0.82	<0.82	<0.82	<0.86
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.6	<2.5	<2.5	<2.6	<2.5	<2.5	<2.5	<2.5	<2.6
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.82	<0.78	<0.78	<0.82	<0.78	<0.78	<0.78	<0.78	<0.82
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.93	<0.88	<0.88	<0.93	<0.88	<0.88	<0.88	<0.88	<0.93
2-Acetylaminofluorene	53-96-3	N	UG/L		<1	<0.99	<0.99	<1	<0.99	<0.99	<0.99	<0.99	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<0.93	<0.88	<0.88	<0.93	<0.88	<0.88	<0.88	<0.88	<0.93
2-Chlorophenol	95-57-8	N	UG/L		<0.61	<0.58	<0.58	<0.61	<0.58	<0.58	<0.58	<0.58	<0.61
2-Methylnaphthalene	91-57-6	N	UG/L		<0.01	<0.0095	<0.0095	<0.01	<0.0095	<0.0095	<0.0095	<0.0095	<0.01
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.92	<0.88	<0.88	<0.92	<0.88	<0.88	<0.88	<0.88	<0.92

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B	MW207A	MW207B
				Field Sample ID	18443161	18438015	18438017	18438011	18438013	18468503	18443601	18438100	18438102
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B	BRE-G-MW207A	BRE-G-MW207B
				Date Sampled	08/28/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/31/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.75	<0.71	<0.71	<0.75	<0.71	<0.71	<0.71	<0.71	<0.75
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.67	<0.64	<0.64	<0.67	<0.64	<0.64	<0.64	<0.64	<0.67
2-Picoline	109-06-8	N	UG/L		<0.83 R	<0.79	<0.79	<0.83	<0.79	<0.79	<0.79 R	<0.79	<0.83
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.97	<0.92	<0.92	<0.97	<0.92	<0.92	<0.92	<0.92	<0.97
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.82	<0.78	<0.78	<0.82	<0.78	<0.78	<0.78	<0.78	<0.82
3-Nitroaniline	99-09-2	N	UG/L		<0.87	<0.82	<0.82	<0.87	<0.82	<0.82	<0.82	<0.82	<0.87
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.8	<0.76	<0.76	<0.8	<0.76	<0.76	<0.76	<0.76	<0.8
4-Aminobiphenyl	92-67-1	N	UG/L		<0.57	<0.55	<0.55	<0.57	<0.55	<0.55	<0.55	<0.55	<0.57
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.95	<0.9	<0.9	<0.95	<0.9	<0.9	<0.9	<0.9	<0.95
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<1	<0.99	<0.99	<1	<0.99	<0.99	<0.99	<0.99	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.96	<0.92	<0.92	<0.96	<0.92	<0.92	<0.92	<0.92	<0.96
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.78	<0.74	<0.74	<0.78	<0.74	<0.74	<0.74	<0.74	<0.78
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.97	<0.93	<0.93	<0.97	<0.93	<0.93	<0.93	<0.93 UJ	<0.97 UJ
4-Nitroaniline	100-01-6	N	UG/L		<0.96	<0.92	<0.92	<0.96	<0.92	<0.92	<0.92	<0.92	<0.96
4-Nitrophenol	100-02-7	N	UG/L		<0.79	<0.75	<0.75	<0.79	<0.75	<0.75	<0.75	<0.75	<0.79
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.63	<0.6	<0.6	<0.63	<0.6	<0.6	<0.6	<0.6	<0.63
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.91	<0.87	<0.87	<0.91	<0.87	<0.87	<0.87	<0.87	<0.91
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.76	<0.72	<0.72	<0.76	<0.72	<0.72	<0.72	<0.72	<0.76
Acenaphthene	83-32-9	N	UG/L		<0.0084	<0.008	<0.008	<0.0084	<0.008	<0.008	<0.008	<0.008	<0.0084
Acenaphthylene	208-96-8	N	UG/L		<0.0095	<0.009	<0.009	<0.0095	<0.009	<0.009	<0.009	<0.009	<0.0095
Acetophenone	98-86-2	N	UG/L		<0.66	<0.63	<0.63	<0.66	<0.63	<0.63	<0.63	<0.63	<0.66
Aniline	62-53-3	N	UG/L		<0.64	<0.61	<0.61	<0.64	<0.61	<0.61	<0.61	<0.61	<0.64
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.4 R	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3 R	<1.3	<1.4
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.0084	<0.008	<0.008	<0.0084	<0.008	0.022 J	<0.008	<0.008	<0.0084
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0079	<0.0075	<0.0075	<0.0079	<0.0075	0.033 J	<0.0075	<0.0075	<0.0079
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.012	<0.011	<0.011	<0.012	<0.011	0.034 J	<0.011	<0.011	<0.012
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.0074	<0.007	<0.007	<0.0074	<0.007	0.034 J	<0.007	<0.007	<0.0074
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0079	<0.0075	<0.0075	<0.0079	<0.0075	0.027 J	<0.0075	<0.0075	<0.0079
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.94	<0.89	<0.89	<0.94	<0.89	<0.89	<0.89	<0.89	<0.94
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.97	<0.93	<0.93	<0.97	<0.93	<0.93	<0.93	<0.93	<0.97
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.59	<0.57	<0.57	<0.59	<0.57	<0.57	<0.57	<0.57	<0.59
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<1	<0.97	<0.97	<1	<0.97	<0.97	<0.97	<0.97	<1
Carbazole	86-74-8	N	UG/L		<0.53	<0.5	<0.5	<0.53	<0.5	<0.5	<0.5	<0.5	<0.53
Chlorobenzilate	510-15-6	N	UG/L		<1	<0.95	<0.95	<1	<0.95	<0.95	<0.95	<0.95	<1
Chrysene	218-01-9	N	UG/L		<0.0095	<0.009	<0.009	<0.0095	<0.009	0.023 J	<0.009	<0.009	<0.0095
Diallate	2303-16-4	N	UG/L		<0.66	<0.63	<0.63	<0.66	<0.63	<0.63	<0.63	<0.63	<0.66

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B	MW207A	MW207B
				Field Sample ID	18443161	18438015	18438017	18438011	18438013	18468503	18443601	18438100	18438102
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B	BRE-G-MW207A	BRE-G-MW207B
				Date Sampled	08/28/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/31/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.011	<0.01	<0.01	<0.011	<0.01	0.033 J	<0.01	<0.01	<0.011
Dibenzofuran	132-64-9	N	UG/L		<0.92	<0.87	<0.87	<0.92	<0.87	<0.87	<0.87	<0.87	<0.92
Diethyl Phthalate	84-66-2	N	UG/L		<1	<0.99	<0.99	<1	<0.99	<0.99	<0.99	<0.99	<1
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<1	<0.97	<0.97	<1	<0.97	<0.97	<0.97	<0.97	<1
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.79	<0.76	<0.76	<0.79	<0.76	<0.76	<0.76	<0.76	<0.79
Fluoranthene	206-44-0	N	UG/L		<0.0089	<0.0085	<0.0085	<0.0089	<0.0085	<0.0085	<0.0085	<0.0085	<0.0089
Fluorene	86-73-7	N	UG/L		<0.0068	<0.0065	<0.0065	<0.0068	<0.0065	<0.0065	<0.0065	<0.0065	<0.0068
Hexachlorobenzene	118-74-1	N	UG/L		<0.99	<0.94	<0.94	<0.99	<0.94	<0.94	<0.94	<0.94	<0.99
Hexachlorobutadiene	87-68-3	N	UG/L		<0.85	<0.81	<0.81	<0.85	<0.81	<0.81	<0.81	<0.81	<0.85
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.61	<0.57	<0.57	<0.61	<0.57	<0.57	<0.57	<0.57	<0.61
Hexachloropropylene	1888-71-7	N	UG/L		<0.6	<0.57	<0.57	<0.6	<0.57	<0.57	<0.57	<0.57	<0.6
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.01	<0.0095	<0.0095	<0.01	<0.0095	0.032 J	<0.0095	<0.0095	<0.01
Isodrin	465-73-6	N	UG/L		<0.97	<0.92	<0.92	<0.97	<0.92	<0.92	<0.92	<0.92	<0.97
Isophorone	78-59-1	N	UG/L		<1	<0.96	<0.96	<1	<0.96	<0.96	<0.96	<0.96	<1
Isosafrole	120-58-1	N	UG/L		<1	<0.96	<0.96	<1	<0.96	<0.96	<0.96	<0.96	<1
Methapyrilene	91-80-5	N	UG/L		<1.3 R	<1.2	<1.2	<1.3	<1.2	<1.2	<1.2 R	<1.2	<1.3
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.23	<0.22	<0.22	<0.23	<0.22	<0.22	<0.22	<0.22	<0.23
Naphthalene	91-20-3	N	UG/L		0.011 B	0.0051 B	0.0066 B	0.014 B	0.0055 B	0.0067 B	0.0091 B	0.0088 J	0.0083 J
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.94	<0.89	<0.89	<0.94	<0.89	<0.89	<0.89	<0.89	<0.94
Nitrobenzene	98-95-3	N	UG/L		<0.79	<0.76	<0.76	<0.79	<0.76	<0.76	<0.76	<0.76	<0.79
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.2	<1.1	<1.1	<1.2	<1.1	<1.1	<1.1	<1.1	<1.2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<0.95	<0.95	<1	<0.95	<0.95	<0.95	<0.95	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.94	<0.89	<0.89	<0.94	<0.89	<0.89	<0.89	<0.89	<0.94
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.61	<0.58	<0.58	<0.61	<0.58	<0.58	<0.58	<0.58	<0.61
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.71	<0.67	<0.67	<0.71	<0.67	<0.67	<0.67	<0.67	<0.71
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.66	<0.63	<0.63	<0.66	<0.63	<0.63	<0.63	<0.63	<0.66
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.93	<0.88	<0.88	<0.93	<0.88	<0.88	<0.88	<0.88	<0.93
O-Toluidine	95-53-4	N	UG/L		<0.66	<0.63	<0.63	<0.66	<0.63	<0.63	<0.63	<0.63	<0.66
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.81	<0.76	<0.76	<0.81	<0.76	<0.76	<0.76	<0.76	<0.81
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.94	<0.89	<0.89	<0.94	<0.89	<0.89	<0.89	<0.89	<0.94
Pentachlorophenol	87-86-5	N	UG/L		<1.2	<1.1	<1.1	<1.2	<1.1	<1.1	<1.1	<1.1	<1.2
Phenacetin	62-44-2	N	UG/L		<1	<0.98	<0.98	<1	<0.98	<0.98	<0.98	<0.98	<1
Phenanthrene	85-01-8	N	UG/L		0.026 B	<0.023	<0.023	<0.025	<0.023	<0.023	<0.023	<0.023	<0.025
Phenol	108-95-2	N	UG/L		<0.68	<0.65	<0.65	<0.68	<0.65	<0.65	<0.65	<0.65	<0.68
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW202B	MW204A	MW204B	MW205A	MW205B	MW206A	MW206B	MW207A	MW207B
				Field Sample ID	18443161	18438015	18438017	18438011	18438013	18468503	18443601	18438100	18438102
				Sample Name	BRE-G-MW202B	BRE-G-MW204A	BRE-G-MW204B	BRE-G-MW205A	BRE-G-MW205B	BRE-G-MW206A	BRE-G-MW206B	BRE-G-MW207A	BRE-G-MW207B
				Date Sampled	08/28/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/30/2007	08/31/2007	08/31/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0079	<0.0075	<0.0075	<0.0079	<0.0075	<0.0075	<0.0075	<0.0075	<0.0079
Pyridine	110-86-1	N	UG/L		<0.85 R	<0.81	<0.81	<0.85	<0.81	<0.81	<0.81 R	<0.81	<0.85
Safrole	94-59-7	N	UG/L		<0.85	<0.81	<0.81	<0.85	<0.81	<0.81	<0.81	<0.81	<0.85
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.95	<0.9	<0.9	<0.95	<0.9	<0.9	<0.9	<0.9	<0.95
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300
Dimethoate	60-51-5	N	UG/L		<1.3	<1.2	<1.2	<1.3	<1.2	<1.2	<1.2	<1.2	<1.3
Pronamide	23950-58-5	N	UG/L		<0.96	<0.92	<0.92	<0.96	<0.92	<0.92	<0.92	<0.92	<0.96
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	40.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	7.30 J	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40
Barium	7440-39-3	N	UG/L		3.40 J	198.0 J	41.60 J	69.30 J	9.0 B	131.0 J	16.50 B	31.20 J	22.60 J
Beryllium	7440-41-7	N	UG/L		<0.50	4.0 J	0.810 J	<0.50	<0.50	0.770 J	<0.50	0.70 J	0.830 J
Cadmium	7440-43-9	N	UG/L		<0.30	3.70 J	0.30 J	<0.30	<0.30	0.450 J	<0.30	<0.30	<0.30
Chromium	7440-47-3	N	UG/L		<0.90	7.90 J	1.40 J	<0.90	0.910 J	<0.90	<0.90	<0.90	<0.90
Cobalt	7440-48-4	N	UG/L		<0.70	38	3.0 B	0.950 B	0.810 B	0.720 B	1.20 J	<0.70	<0.70
Copper	7440-50-8	N	UG/L		<1.90	19.4	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10 UJ	<0.10 UJ
Nickel	7440-02-0	N	UG/L		0.710 B	31.80 J	2.90 B	1.30 B	1.50 B	1.0 B	1.70 B	1.20 J	1.0 J
Selenium	7782-49-2	N	UG/L		<4.50 UJ	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50 UJ	<4.50	<4.50
Silver	7440-22-4	N	UG/L		<0.90	6.5	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Thallium	7440-28-0	N	UG/L		<7.30 UJ	<7.30	<7.30	<7.30	<7.30	<7.30	<7.30 UJ	<7.30	<7.30
Tin	7440-31-5	N	UG/L		<7.0	8.30 J	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Vanadium	7440-62-2	N	UG/L		0.70 J	39.1	3.10 B	<0.60	0.880 B	<0.60	0.910 J	<0.60	<0.60
Zinc	7440-66-6	N	UG/L		7.30 B	25.80 B	20.10 B	9.80 B	10.20 B	13.70 B	10.70 B	10.20 B	6.60 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.63	<0.6	<0.6	<0.63	<0.6	<0.6	<0.6	<0.6	<0.63
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.56	<0.54	<0.54	<0.56	<0.54	<0.54	<0.54	<0.54	<0.56

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Analyte	CAS No.	Filtered	Units	Location ID	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A	MW212B
				Field Sample ID	18438104	18438098	18476778	18476780	18438108	18438110	18438112	18438032	18438034
				Sample Name	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A	BRE-G-MW212B
				Date Sampled	08/31/2007	08/31/2007	09/05/2007	09/05/2007	08/31/2007	08/31/2007	08/31/2007	08/30/2007	08/30/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	0.31 J	<0.12	<0.12	<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	0.64	1.6	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	0.22 J	0.21 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		3.3 B	3.0 B	4.7 B	4.0 B	1.7 B	1.6 B	1.9 B	2.5 B	1.7 B
Acetonitrile	75-05-8	N	UG/L		<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Allyl Chloride	107-05-1	N	UG/L		<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Benzene	71-43-2	N	UG/L		0.14 B	0.44 B	0.14 B	0.74	0.10 B	0.15 B	<0.1	<0.1	0.11 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	5.3	<0.1	<0.1	0.40 J	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.66	<0.1	0.12 J	<0.1	<0.1	1.6
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	2.4	<0.1	<0.1	0.47 J	2.4	4.0
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.18 J
Ethyl Chloride	75-00-3	N	UG/L		<0.13	<0.13	<0.13	0.30 J	<0.13	<0.13	<0.13	<0.13	<0.13
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	0.47 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A	MW212B
				Field Sample ID	18438104	18438098	18476778	18476780	18438108	18438110	18438112	18438032	18438034
				Sample Name	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A	BRE-G-MW212B
				Date Sampled	08/31/2007	08/31/2007	09/05/2007	09/05/2007	08/31/2007	08/31/2007	08/31/2007	08/30/2007	08/30/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.1	<0.1	0.14 J	0.22 J	<0.1	<0.1	<0.1	0.14 B	0.32 B
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Propionitrile	107-12-0	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	100-42-5	N	UG/L		<0.1	<0.1 R	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.11	<0.11	<0.11	0.12 J	<0.11	1.9	0.29 J	<0.11	0.25 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	0.11 B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	4.6	<0.1	7.4	0.39 J	0.64	2.4
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.28 J
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.002	0.0045 J	0.011	0.39	0.034	<0.002	<0.002	0.084	0.29
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.7	<0.69	<0.69	<0.7	<0.7	<0.69	<0.69	<0.69	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.75	<0.73	<0.73	<0.75	<0.75	<0.73	<0.73	<0.73	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.96	<0.94	<0.94	<0.96	<0.96	<0.94	<0.94	<0.94	<0.94
1,4-Dioxane	123-91-1	N	UG/L		<2.5	62	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.23	<0.22	<0.22	<0.23	<0.23	<0.22	<0.22	<0.22	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		0.016 J	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
1-Naphthylamine	134-32-7	N	UG/L		<0.7	<0.68 R	<0.68	<0.7	<0.7	<0.68	<0.68	<0.68	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.91	<0.89	<0.89	<0.91	<0.91	<0.89	<0.89	<0.89	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1.1	<1	<1	<1.1	<1.1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<0.98	<0.98	<1	<1	<0.98	<0.98	<0.98	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.84	<0.82	<0.82	<0.84	<0.84	<0.82	<0.82	<0.82	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.6	<2.5	<2.5	<2.6	<2.6	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.8	<0.78	<0.78	<0.8	<0.8	<0.78	<0.78	<0.78	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.91	<0.88	<0.88	<0.91	<0.91	<0.88	<0.88	<0.88	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<1	<0.99 R	<0.99	<1	<1	<0.99	<0.99	<0.99	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<0.91	<0.88	<0.88 UJ	<0.91 UJ	<0.91	<0.88	<0.88	<0.88	<0.88
2-Chlorophenol	95-57-8	N	UG/L		<0.59	<0.58	<0.58	<0.59	<0.59	<0.58	<0.58	<0.58	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		0.039 J	<0.0095	<0.0095	<0.0097	<0.0097	<0.0095	<0.0095	<0.0095	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.9	<0.88	<0.88	<0.9	<0.9	<0.88	<0.88	<0.88	<0.88

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A	MW212B
				Field Sample ID	18438104	18438098	18476778	18476780	18438108	18438110	18438112	18438032	18438034
				Sample Name	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A	BRE-G-MW212B
				Date Sampled	08/31/2007	08/31/2007	09/05/2007	09/05/2007	08/31/2007	08/31/2007	08/31/2007	08/30/2007	08/30/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.73	<0.71 R	<0.71	<0.73	<0.73	<0.71	<0.71	<0.71	<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.66	<0.64	<0.64	<0.66	<0.66	<0.64	<0.64	<0.64	<0.64
2-Picoline	109-06-8	N	UG/L		<0.81	<0.79 R	<0.79	<0.81	<0.81	<0.79	<0.79	<0.79	<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.94	<0.92	<0.92	<0.94	<0.94	<0.92	<0.92	<0.92	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3 R	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.8	<0.78	<0.78	<0.8	<0.8	<0.78	<0.78	<0.78	<0.78
3-Nitroaniline	99-09-2	N	UG/L		<0.85	<0.82	<0.82	<0.85	<0.85	<0.82	<0.82	<0.82	<0.82
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.78	<0.76	<0.76	<0.78	<0.78	<0.76	<0.76	<0.76	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<0.56	<0.55 R	<0.55	<0.56	<0.56	<0.55	<0.55	<0.55	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.93	<0.9	<0.9	<0.93	<0.93	<0.9	<0.9	<0.9	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<1	<0.99 UJ	<0.99	<1	<1	<0.99	<0.99	<0.99	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.94	<0.92	<0.92	<0.94	<0.94	<0.92	<0.92	<0.92	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.76	<0.74 R	<0.74	<0.76	<0.76	<0.74	<0.74	<0.74	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.95 UJ	<0.93 UJ	<0.93 UJ	<0.95 UJ	<0.95 UJ	<0.93 UJ	<0.93 UJ	<0.93	<0.93
4-Nitroaniline	100-01-6	N	UG/L		<0.94	<0.92	<0.92	<0.94	<0.94	<0.92	<0.92	<0.92	<0.92
4-Nitrophenol	100-02-7	N	UG/L		<0.77	<0.75	<0.75	<0.77	<0.77	<0.75	<0.75	<0.75	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.62	<0.6 R	<0.6	<0.62	<0.62	<0.6	<0.6	<0.6	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.89	<0.87	<0.87	<0.89	<0.89	<0.87	<0.87	<0.87	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.74	<0.72	<0.72	<0.74	<0.74	<0.72	<0.72	<0.72	<0.72
Acenaphthene	83-32-9	N	UG/L		<0.0082	<0.008	<0.008	0.049 J	<0.0082	<0.008	<0.008	<0.008	<0.008
Acenaphthylene	208-96-8	N	UG/L		<0.0092	<0.009 UJ	<0.009	<0.0092	<0.0092	<0.009	<0.009	<0.009	<0.009
Acetophenone	98-86-2	N	UG/L		<0.64	<0.63	<0.63	<0.64	<0.64	<0.63	<0.63	<0.63	<0.63
Aniline	62-53-3	N	UG/L		<0.63	<0.61 R	<0.61	<0.63	<0.63	<0.61	<0.61	<0.61	<0.61
Anthracene	120-12-7	N	UG/L		<0.015	<0.015 UJ	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.4	<1.3 R	<1.3	<1.4	<1.4	<1.3	<1.3	<1.3	<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.0082	<0.008	<0.008	<0.0082	<0.0082	<0.008	<0.008	<0.008	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0077	<0.0075	<0.0075	<0.0077	<0.0077	<0.0075	<0.0075	<0.0075	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011 UJ	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.0072	<0.007	<0.007	<0.0072	<0.0072	<0.007	<0.007	<0.007	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0077	<0.0075 R	<0.0075	<0.0077	<0.0077	<0.0075	<0.0075	<0.0075	<0.0075
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1 UJ	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.92	<0.89	<0.89	<0.92	<0.92	<0.89	<0.89	<0.89	<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.95	<0.93	<0.93	<0.95	<0.95	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.58	<0.57	<0.57	<0.58	<0.58	<0.57	<0.57	<0.57	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.99	<0.97	<0.97	<0.99	<0.99	<0.97	<0.97	<0.97	<0.97
Carbazole	86-74-8	N	UG/L		<0.51	<0.5	<0.5 UJ	<0.51 UJ	<0.51	<0.5	<0.5	<0.5	<0.5
Chlorobenzilate	510-15-6	N	UG/L		<0.98	<0.95	<0.95	<0.98	<0.98	<0.95	<0.95	<0.95	<0.95
Chrysene	218-01-9	N	UG/L		<0.0092	<0.009	<0.009	<0.0092	<0.0092	<0.009	<0.009	<0.009	<0.009
Diallate	2303-16-4	N	UG/L		<0.64	<0.63	<0.63	<0.64	<0.64	<0.63	<0.63	<0.63	<0.63

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Analyte	CAS No.	Filtered	Units	Location ID	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A	MW212B
				Field Sample ID	18438104	18438098	18476778	18476780	18438108	18438110	18438112	18438032	18438034
				Sample Name	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A	BRE-G-MW212B
				Date Sampled	08/31/2007	08/31/2007	09/05/2007	09/05/2007	08/31/2007	08/31/2007	08/31/2007	08/30/2007	08/30/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzofuran	132-64-9	N	UG/L		<0.89	<0.87	<0.87	<0.89	<0.89	<0.87	<0.87	<0.87	<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<1	<0.99	<0.99	<1	<1	<0.99	<0.99	5.4 B	<0.99
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<0.99	<0.97	<0.97	<0.99	<0.99	<0.97	<0.97	<0.97	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.77	<0.76	<0.76	<0.77	<0.77	<0.76	<0.76	<0.76	<0.76
Fluoranthene	206-44-0	N	UG/L		<0.0087	<0.0085	<0.0085	<0.0087	<0.0087	<0.0085	<0.0085	<0.0085	<0.0085
Fluorene	86-73-7	N	UG/L		0.0086 J	<0.0065	<0.0065	0.045 J	<0.0067	<0.0065	<0.0065	<0.0065	<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<0.97	<0.94	<0.94	<0.97	<0.97	<0.94	<0.94	<0.94	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<0.83	<0.81	<0.81	<0.83	<0.83	<0.81	<0.81	<0.81	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.59	<0.57	<0.57	<0.59	<0.59	<0.57	<0.57	<0.57	<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<0.58	<0.57	<0.57	<0.58	<0.58	<0.57	<0.57	<0.57	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0097	<0.0095	<0.0095	<0.0097	<0.0097	<0.0095	<0.0095	<0.0095	<0.0095
Isodrin	465-73-6	N	UG/L		<0.94	<0.92	<0.92	<0.94	<0.94	<0.92	<0.92	<0.92	<0.92
Isophorone	78-59-1	N	UG/L		<0.99	<0.96	<0.96	<0.99	<0.99	<0.96	<0.96	<0.96	<0.96
Isosafrole	120-58-1	N	UG/L		<0.99	<0.96 R	<0.96	<0.99	<0.99	<0.96	<0.96	<0.96	<0.96
Methapyrilene	91-80-5	N	UG/L		<1.3	<1.2 R	<1.2	<1.3	<1.3	<1.2	<1.2	<1.2	<1.2
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.23	<0.22	<0.22	<0.23	<0.23	<0.22	<0.22	<0.22	<0.22
Naphthalene	91-20-3	N	UG/L		0.024 J	<0.005	<0.005	0.0082 B	0.0090 J	0.0093 J	0.0099 J	0.0068 B	0.011 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.92	<0.89	<0.89	<0.92	<0.92	<0.89	<0.89	<0.89	<0.89
Nitrobenzene	98-95-3	N	UG/L		<0.77	<0.76	<0.76	<0.77	<0.77	<0.76	<0.76	<0.76	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.97	<0.95	<0.95	<0.97	<0.97	<0.95	<0.95	<0.95	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.91	<0.89 UJ	<0.89	<0.91	<0.91	<0.89	<0.89	<0.89	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.59	<0.58	<0.58	<0.59	<0.59	<0.58	<0.58	<0.58	<0.58
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.69	<0.67	<0.67	<0.69	<0.69	<0.67	<0.67	<0.67	<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.64	<0.63 R	<0.63	<0.64	<0.64	<0.63	<0.63	<0.63	<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.9	<0.88	<0.88	<0.9	<0.9	<0.88	<0.88	<0.88	<0.88
O-Toluidine	95-53-4	N	UG/L		<0.65	<0.63 R	<0.63	<0.65	<0.65	<0.63	<0.63	<0.63	<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13	<13	<13 R	<13 R	<13 R	<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.78	<0.76	<0.76	<0.78	<0.78	<0.76	<0.76	<0.76	<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.92	<0.89	<0.89	<0.92	<0.92	<0.89	<0.89	<0.89	<0.89
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Phenacetin	62-44-2	N	UG/L		<1	<0.98 UJ	<0.98	<1	<1	<0.98	<0.98	<0.98	<0.98
Phenanthrene	85-01-8	N	UG/L		<0.024	<0.023	<0.023	<0.024	<0.024	<0.023	<0.023	<0.023	<0.023
Phenol	108-95-2	N	UG/L		<0.67	<0.65	<0.65	<0.67	<0.67	<0.65	<0.65	<0.65	<0.65
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW209A	MW209B	MW210A	MW210B	MW211A	MW211B	MW211C	MW212A	MW212B
				Field Sample ID	18438104	18438098	18476778	18476780	18438108	18438110	18438112	18438032	18438034
				Sample Name	BRE-G-MW209A	BRE-G-MW209B	BRE-G-MW210A	BRE-G-MW210B	BRE-G-MW211A	BRE-G-MW211B	BRE-G-MW211C	BRE-G-MW212A	BRE-G-MW212B
				Date Sampled	08/31/2007	08/31/2007	09/05/2007	09/05/2007	08/31/2007	08/31/2007	08/31/2007	08/30/2007	08/30/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0077	0.012 J	<0.0075	<0.0077	<0.0077	<0.0075	<0.0075	<0.0075	<0.0075
Pyridine	110-86-1	N	UG/L		<0.83	<0.81 R	<0.81	<0.83	<0.83	<0.81	<0.81	<0.81	<0.81
Safrole	94-59-7	N	UG/L		<0.83	<0.81	<0.81	<0.83	<0.83	<0.81	<0.81	<0.81	<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.93	<0.9	<0.9	<0.93	<0.93	<0.9	<0.9	<0.9	<0.9
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2 R	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Pronamide	23950-58-5	N	UG/L		<0.94	<0.92 R	<0.92	<0.94	<0.94	<0.92	<0.92	<0.92	<0.92
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40
Barium	7440-39-3	N	UG/L		48.20 J	45.70 J	25.0 J	3.0 J	44.70 J	79.90 J	12.90 J	6.0 B	3.40 B
Beryllium	7440-41-7	N	UG/L		<0.50	0.630 J	0.510 B	0.540 B	<0.50	1.20 J	0.80 J	<0.50	1.40 J
Cadmium	7440-43-9	N	UG/L		<0.30	<0.30	<0.30	<0.30	0.530 J	<0.30	<0.30	<0.30	<0.30
Chromium	7440-47-3	N	UG/L		1.60 J	<0.90	<0.90	<0.90	<0.90	<0.90	1.10 J	1.0 J	<0.90
Cobalt	7440-48-4	N	UG/L		4.90 J	2.60 J	1.10 J	<0.70	1.20 J	<0.70	<0.70	5.90 B	<0.70
Copper	7440-50-8	N	UG/L		<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
Mercury	7439-97-6	N	UG/L		<0.10 UJ	<0.10 UJ	<0.10	<0.10	<0.10 UJ	0.240 J	<0.10 UJ	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		1.70 J	2.90 J	1.50 B	2.20 B	<0.60	0.770 J	1.50 J	<0.60	0.730 B
Selenium	7782-49-2	N	UG/L		<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50	<4.50
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Thallium	7440-28-0	N	UG/L		<7.30	<7.30	<7.30	<7.30	<7.30	<7.30	<7.30	<7.30	<7.30
Tin	7440-31-5	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	9.20 J	<7.0	<7.0
Vanadium	7440-62-2	N	UG/L		2.10 J	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
Zinc	7440-66-6	N	UG/L		9.0 B	10.60 B	7.50 B	5.10 B	3.70 B	4.70 B	10.50 B	10.40 B	18.30 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.61	<0.6	<0.6	<0.61	<0.61	<0.6	<0.6	<0.6	<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.55	<0.54	<0.54	<0.55	<0.55	<0.54	<0.54	<0.54	<0.54

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Analyte	CAS No.	Filtered	Units	Location ID	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B	MW222A	MW222B
				Field Sample ID	18438021	18443186	18443182	18443190	18443192	18436431	18436433	18436441	18436418	18436439
				Sample Name	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/27/2007	08/27/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.12	<0.11	<0.11	<0.11	<0.11	0.35 J	13	0.35 J	<0.11	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.15	<0.15	<0.15	<0.15	<0.15	1.4	1.0	<0.15	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		0.36 J	0.15 J	0.12 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.1	0.67	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.1	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.44 J	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 J	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		3.5 B	2.2 B	2.7 B	2.9 B	2.2 B	3.3 B	3.8 B	3.1 B	5.0 B	3.1 B
Acetonitrile	75-05-8	N	UG/L		<0.23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		0.70	0.57 B	0.23 B	<0.1	<0.1	0.14 B	0.12 B	0.12 B	0.22 B	0.10 B
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.79 B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		1.2	1.2	0.24 J	<0.15	<0.15	<0.15	7.8	20	20 J	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		0.13 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		2.5	0.94	0.58	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200 UJ	<5200
Iodomethane	74-88-4	N	UG/L		<0.1	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.47	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.5	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B	MW222A	MW222B	
				Field Sample ID	18438021	18443186	18443182	18443190	18443192	18436431	18436433	18436441	18436418	18436439	
				Sample Name	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/27/2007	08/27/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.5	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	0.58 J	<0.57	
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene Bromide	74-95-3	N	UG/L		0.28 J	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
Methylene Chloride	75-09-2	N	UG/L		0.31 B	0.15 B	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.15 J	<0.12	
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Pentachloroethane	76-01-7	N	UG/L		<0.1	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	
Propionitrile	107-12-0	N	UG/L		<5	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.11	<0.16	<0.16	0.17 J	0.17 J	<0.16	0.55	0.86	<0.16	<0.16	
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11 J	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	0.24 J	<0.1	<0.1	<0.1	<0.1	0.90	1.4	4.0	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.0	4.4	0.74	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.13	<0.13	1.2	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		0.92	0.96	0.31	<0.002	<0.002	<0.002	0.16	1.1	7.6	0.028	
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>															
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	
1,4-Dioxane	123-91-1	N	UG/L		<2.5	11 J	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
1-Naphthylamine	134-32-7	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	

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Analyte	CAS No.	Filtered	Units	Location ID	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B	MW222A	MW222B	
				Field Sample ID	18438021	18443186	18443182	18443190	18443192	18436431	18436433	18436441	18436418	18436439	
				Sample Name	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/27/2007	08/27/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	
2-Picoline	109-06-8	N	UG/L		<0.79	<0.79 R	<0.79 R	<0.79 R	<0.79 R	<0.79	<0.79	<0.79	<0.79	<0.79	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	
Acenaphthene	83-32-9	N	UG/L		0.017 J	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	
Acenaphthylene	208-96-8	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	
Acetophenone	98-86-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	
Aniline	62-53-3	N	UG/L		<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
Benzidine	92-87-5	N	UG/L		<1.3	<1.3 R	<1.3 R	<1.3 R	<1.3 R	<1.3	<1.3	<1.3	<1.3	<1.3	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	
Carbazole	86-74-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chlorobenzilate	510-15-6	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	
Chrysene	218-01-9	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	
Diallate	2303-16-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	

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Analyte	CAS No.	Filtered	Units	Location ID	MW213	MW214	MW215	MW216A	MW216B	MW219A	MW219B	MW221B	MW222A	MW222B	
				Field Sample ID	18438021	18443186	18443182	18443190	18443192	18436431	18436433	18436441	18436418	18436439	
				Sample Name	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/27/2007	08/27/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Dibenzofuran	132-64-9	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	
Diethyl Phthalate	84-66-2	N	UG/L		3.5 J	1.2 J	1.0 J	24	3.1 J	<0.99	14	2.3 J	1.0 J	11	
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	
Fluoranthene	206-44-0	N	UG/L		<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085	
Fluorene	86-73-7	N	UG/L		0.0086 J	0.0066 B	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
Hexachloroethane	67-72-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	
Hexachloropropylene	1888-71-7	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	
Isodrin	465-73-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	
Isophorone	78-59-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	
Isosafrole	120-58-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	
Methapyrilene	91-80-5	N	UG/L		<1.2	<1.2 R	<1.2 R	<1.2 R	<1.2 R	<1.2	<1.2	<1.2	<1.2	<1.2	
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Naphthalene	91-20-3	N	UG/L		0.010 B	0.15	0.015 B	0.013 B	0.025 B	0.0084 B	0.0074 B	0.0078 B	0.011 B	0.0067 B	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	
Nitrobenzene	98-95-3	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	
O-Toluidine	95-53-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	
Pentachlorobenzene	608-93-5	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	
Phenacetin	62-44-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	
Phenanthrene	85-01-8	N	UG/L		<0.023	<0.023	<0.023	<0.023	<0.023	0.032 B	<0.023	0.025 B	<0.023	<0.023	
Phenol	108-95-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	

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				Field Sample ID	18438021	18443186	18443182	18443190	18443192	18436431	18436433	18436441	18436418	18436439	
				Sample Name	BRE-G-MW213	BRE-G-MW214	BRE-G-MW215	BRE-G-MW216A	BRE-G-MW216B	BRE-G-MW219A	BRE-G-MW219B	BRE-G-MW221B	BRE-G-MW222A	BRE-G-MW222B	
				Date Sampled	08/29/2007	08/29/2007	08/29/2007	08/29/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/28/2007	08/27/2007	08/27/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	
Pyridine	110-86-1	N	UG/L		<0.81	<0.81 R	<0.81 R	<0.81 R	<0.81 R	<0.81	<0.81	<0.81	<0.81	<0.81	
Safrole	94-59-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	
Pronamide	23950-58-5	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	
<i>Inorganics</i>															
Antimony	7440-36-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Arsenic	7440-38-2	N	UG/L		<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	<4.40	
Barium	7440-39-3	N	UG/L		17.30 B	31.90 B	4.20 B	25.0 B	4.0 J	21.10 J	<0.40	2.20 J	54.10 J	0.60 J	
Beryllium	7440-41-7	N	UG/L		3.70 J	0.520 B	1.30 B	0.820 B	0.880 J	<0.50	<0.50	<0.50	<0.50	<0.50	
Cadmium	7440-43-9	N	UG/L		<0.30	1.70 B	0.310 B	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	
Chromium	7440-47-3	N	UG/L		<0.90	<0.90	<0.90	<0.90	1.10 J	<0.90	<0.90	<0.90	1.10 J	<0.90	
Cobalt	7440-48-4	N	UG/L		2.0 B	21.1	91.1	<0.70	<0.70	<0.70	<0.70	1.50 J	4.70 J	<0.70	
Copper	7440-50-8	N	UG/L		<1.90	<1.90	<1.90	<1.90	2.20 J	<1.90	3.50 J	<1.90	3.30 J	<1.90	
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50	3.6	<1.50	
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Nickel	7440-02-0	N	UG/L		1.80 B	0.690 B	2.70 B	0.990 B	0.820 B	<0.60	<0.60	<0.60	0.830 J	<0.60	
Selenium	7782-49-2	N	UG/L		<4.50	<4.50 UJ	<4.50 UJ	<4.50 UJ	<4.50 UJ	<4.50	<4.50	<4.50	<4.50	<4.50	
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	
Thallium	7440-28-0	N	UG/L		<7.30	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	
Tin	7440-31-5	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	
Vanadium	7440-62-2	N	UG/L		<0.60	1.10 B	<0.60	<0.60	0.770 J	<0.60	<0.60	<0.60	2.20 J	<0.60	
Zinc	7440-66-6	N	UG/L		17.20 B	4.30 B	8.90 B	4.30 B	10.30 B	3.30 B	14.10 B	3.90 B	25.10 B	12.90 B	
<i>Miscellaneous</i>															
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	

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Analyte	CAS No.	Filtered	Units	Location ID	MW223B	MW224A	MW224B	MW225A	MW225B	MW225B	R87-S10	R87-S8	R87-S9
				Field Sample ID	18443157	18443173	18443175	18436420	18436422	18436423	18443184	18438023	18443188
				Sample Name	BRE-G-MW223B	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-MW225B-DUP	BRE-G-R87-S10	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	08/27/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/27/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.1	<0.12
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.11	<0.11	<0.11	93	<0.11	<0.11	<0.11	<0.12	<0.11
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.15	<0.15	<0.15	5.0	<0.15	<0.15	<0.15	<0.1	<0.15
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	0.24 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	0.52	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.1	<0.17
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.10 J	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L		2.8 B	2.5 B	2.1 B	3.6 B	3.5 B	2.7 B	2.1 B	1.2 B	1.9 B
Acetonitrile	75-05-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.23	<0.1
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.32	<0.1
Benzene	71-43-2	N	UG/L		0.10 B	<0.1	<0.1	0.32 B	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.15	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.13 J	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	2.9	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.15	<0.15	<0.15	660	0.95	1.0	<0.15	<0.1	<0.15
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.1	<0.11
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.33 J	<0.13	<0.12
Ethyl Methacrylate	97-63-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200	<5200
Iodomethane	74-88-4	N	UG/L		<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.1	<0.46
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Bromide	74-83-9	N	UG/L		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.47	<0.14
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.5	<0.79

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Analyte	CAS No.	Filtered	Units	Location ID	MW223B	MW224A	MW224B	MW225A	MW225B	MW225B	R87-S10	R87-S8	R87-S9
				Field Sample ID	18443157	18443173	18443175	18436420	18436422	18436423	18443184	18438023	18443188
				Sample Name	BRE-G-MW223B	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-MW225B-DUP	BRE-G-R87-S10	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	08/27/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/27/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.5	<0.57
Methyl Methacrylate	80-62-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	N	UG/L		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.1	<0.11
Methylene Chloride	75-09-2	N	UG/L		<0.12	<0.12	<0.12	0.34 J	<0.12	<0.12	<0.12	<0.1	<0.12
Ortho-Xylene	95-47-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.1	<0.13
Propionitrile	107-12-0	N	UG/L		<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<5	<7.6
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.19 J	<0.16	<0.16	16	<0.16	<0.16	<0.16	<0.11	<0.16
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	0.20 J	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	81	0.31 J	0.36 J	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	0.12 J	310	0.12 J	0.12 J	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.13	0.17 J	<0.13	2.1	<0.13	<0.13	<0.13	<0.1	<0.13
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.002	<0.002	<0.002	0.098	<0.002	<0.002	0.14	0.065	0.011
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
1,4-Dioxane	123-91-1	N	UG/L		<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<2.5	<6.9
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
1-Naphthylamine	134-32-7	N	UG/L		<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		0.012 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88

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Analyte	CAS No.	Filtered	Units	Location ID	MW223B	MW224A	MW224B	MW225A	MW225B	MW225B	R87-S10	R87-S8	R87-S9
				Field Sample ID	18443157	18443173	18443175	18436420	18436422	18436423	18443184	18438023	18443188
				Sample Name	BRE-G-MW223B	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-MW225B-DUP	BRE-G-R87-S10	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	08/27/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/27/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
2-Naphthylamine	91-59-8	N	UG/L		<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64
2-Picoline	109-06-8	N	UG/L		<0.79	<0.79 R	<0.79 R	<0.79	<0.79	<0.79	<0.79 R	<0.79	<0.79 R
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72
Acenaphthene	83-32-9	N	UG/L		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Acenaphthylene	208-96-8	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
Acetophenone	98-86-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
Aniline	62-53-3	N	UG/L		<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61
Anthracene	120-12-7	N	UG/L		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzidine	92-87-5	N	UG/L		<1.3	<1.3 R	<1.3 R	<1.3	<1.3	<1.3	<1.3 R	<1.3	<1.3 R
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	0.0092 J	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	0.0097 J	<0.0075	0.0089 B	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	0.0095 J	<0.007	0.0091 B	<0.007	<0.007	<0.007	<0.007	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	0.0086 J	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Benzyl Alcohol	100-51-6	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<1.1	1.3 J	<1.1	<1.1	<1.1	1.6 J	<1.1	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Carbazole	86-74-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzilate	510-15-6	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
Chrysene	218-01-9	N	UG/L		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
Diallate	2303-16-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63

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Analyte	CAS No.	Filtered	Units	Location ID	MW223B	MW224A	MW224B	MW225A	MW225B	MW225B	R87-S10	R87-S8	R87-S9
				Field Sample ID	18443157	18443173	18443175	18436420	18436422	18436423	18443184	18438023	18443188
				Sample Name	BRE-G-MW223B	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-MW225B-DUP	BRE-G-R87-S10	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	08/27/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/27/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzofuran	132-64-9	N	UG/L		<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<0.99	<0.99	<0.99	<0.99	8.6	9.2	10	<0.99	2.8 J
Diethylene Glycol	111-46-6	N	UG/L		<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300	<5300
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Fluoranthene	206-44-0	N	UG/L		<0.0085	<0.0085	<0.0085	0.0098 B	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085
Fluorene	86-73-7	N	UG/L		0.0067 B	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Hexachloroethane	67-72-1	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
Isodrin	465-73-6	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Isophorone	78-59-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Isosafrole	120-58-1	N	UG/L		<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
Methapyrilene	91-80-5	N	UG/L		<1.2	<1.2 R	<1.2 R	<1.2	<1.2	<1.2	<1.2 R	<1.2	<1.2 R
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Naphthalene	91-20-3	N	UG/L		0.020 B	0.0086 B	0.011 B	0.011 B	0.0095 B	0.0075 B	<0.005	0.0064 B	<0.005
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Nitrobenzene	98-95-3	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88	<0.88
O-Toluidine	95-53-4	N	UG/L		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Phenacetin	62-44-2	N	UG/L		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
Phenanthrene	85-01-8	N	UG/L		0.027 B	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Phenol	108-95-2	N	UG/L		<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
Propylene Glycol	57-55-6	N	UG/L		<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700	<9700

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Analyte	CAS No.	Filtered	Units	Location ID	MW223B	MW224A	MW224B	MW225A	MW225B	MW225B	R87-S10	R87-S8	R87-S9
				Field Sample ID	18443157	18443173	18443175	18436420	18436422	18436423	18443184	18438023	18443188
				Sample Name	BRE-G-MW223B	BRE-G-MW224A	BRE-G-MW224B	BRE-G-MW225A	BRE-G-MW225B	BRE-G-MW225B-DUP	BRE-G-R87-S10	BRE-G-R87-S8	BRE-G-R87-S9
				Date Sampled	08/27/2007	08/29/2007	08/29/2007	08/27/2007	08/27/2007	08/27/2007	08/29/2007	08/29/2007	08/29/2007
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
Pyrene	129-00-0	N	UG/L		<0.0075	0.0082 J	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Pyridine	110-86-1	N	UG/L		<0.81	<0.81 R	<0.81 R	<0.81	<0.81	<0.81	<0.81 R	<0.81	<0.81 R
Safrole	94-59-7	N	UG/L		<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Thionazin	297-97-2	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Triethylene Glycol	112-27-6	N	UG/L		<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300	<6300
Dimethoate	60-51-5	N	UG/L		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Pronamide	23950-58-5	N	UG/L		<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	7440-38-2	N	UG/L		<4.40	<4.40	<4.40	5.0 J	<4.40	<4.40	<4.40	<4.40	<4.40
Barium	7440-39-3	N	UG/L		4.70 J	63.60 B	26.90 B	262	3.50 J	3.40 J	75.30 B	24.20 B	30.60 B
Beryllium	7440-41-7	N	UG/L		<0.50	<0.50	0.640 B	4.40 J	<0.50	<0.50	<0.50	0.60 B	0.690 B
Cadmium	7440-43-9	N	UG/L		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	7440-47-3	N	UG/L		<0.90	<0.90	<0.90	5.50 J	0.930 J	<0.90	<0.90	<0.90	<0.90
Cobalt	7440-48-4	N	UG/L		<0.70	<0.70	<0.70	6	<0.70	<0.70	1.40 B	1.10 B	<0.70
Copper	7440-50-8	N	UG/L		<1.90	<1.90	<1.90	13.4	<1.90	<1.90	<1.90	<1.90	<1.90
Lead	7439-92-1	N	UG/L		<1.50	<1.50	<1.50	28.4	<1.50	<1.50	<1.50	<1.50	<1.50
Mercury	7439-97-6	N	UG/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	7440-02-0	N	UG/L		0.840 J	<0.60	1.20 B	4.60 J	<0.60	<0.60	1.30 B	<0.60	1.10 B
Selenium	7782-49-2	N	UG/L		<4.50	<4.50 UJ	<4.50 UJ	<4.50	<4.50	<4.50	<4.50 UJ	<4.50	<4.50 UJ
Silver	7440-22-4	N	UG/L		<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Thallium	7440-28-0	N	UG/L		<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30 UJ	<7.30	9.80 J
Tin	7440-31-5	N	UG/L		<7.0	<7.0	7.70 J	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Vanadium	7440-62-2	N	UG/L		<0.60	<0.60	<0.60	7.80 J	<0.60	<0.60	<0.60	<0.60	<0.60
Zinc	7440-66-6	N	UG/L		5.30 B	4.70 B	6.80 B	74.7	58.3	14.90 B	7.50 B	10.40 B	6.0 B
<i>Miscellaneous</i>													
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54

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Analyte	CAS No.	Filtered	Units	Location ID	MW-101	MW-102A	MW-102B	MW-104A	MW-104B	MW-105	MW-106A	MW-106B	MW-107A
				Field Sample ID	21361710	21361722	21361724	21378966	21378968	21378970	21413409	21413411	21396400
				Sample Name	BRE-G-MW-101	BRE-G-MW-102A	BRE-G-MW-102B	BRE-G-MW-104A	BRE-G-MW-104B	BRE-G-MW-105	BRE-G-MW-106A	BRE-G-MW-106B	BRE-G-MW-107A
				Date Sampled	01/27/2009	01/28/2009	01/28/2009	01/29/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009	02/05/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.4 J	0.3 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.3 J	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	0.3 J	1.2	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4.3 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	0.4 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	3.1	11	<0.1	0.4 J	<0.1	0.5	0.4 J	0.3 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	0.3 J
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-101	MW-102A	MW-102B	MW-104A	MW-104B	MW-105	MW-106A	MW-106B	MW-107A
				Field Sample ID	21361710	21361722	21361724	21378966	21378968	21378970	21413409	21413411	21396400
				Sample Name	BRE-G-MW-101	BRE-G-MW-102A	BRE-G-MW-102B	BRE-G-MW-104A	BRE-G-MW-104B	BRE-G-MW-105	BRE-G-MW-106A	BRE-G-MW-106B	BRE-G-MW-107A
				Date Sampled	01/27/2009	01/28/2009	01/28/2009	01/29/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009	02/05/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 B
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	0.7	2.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	0.3 J	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	4.0	8.1	<0.010	1.1	<0.010	0.32	0.053	1.0
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	4 J	9	8
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3 R	<3	<3	<3	<3	<3 R	<3	<3 R
2,4-Dinitrophenol	51-28-5	N	UG/L		<21	<20 R	<20	<20	<21	<20	<20 R	<20	<20 R
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1 UJ	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
2-Methylnaphthalene	91-57-6	N	UG/L		<1 UJ	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5 R	<5	<5	<5	<5	<5 R	<5	<5 R
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2 UJ	<2	<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2 R	<2	<2	<2	<2	<2 R	<2	<2 R
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10 R	<10	<10	<10	<10	<10 R	<10	<10 R
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-101	MW-102A	MW-102B	MW-104A	MW-104B	MW-105	MW-106A	MW-106B	MW-107A
				Field Sample ID	21361710	21361722	21361724	21378966	21378968	21378970	21413409	21413411	21396400
				Sample Name	BRE-G-MW-101	BRE-G-MW-102A	BRE-G-MW-102B	BRE-G-MW-104A	BRE-G-MW-104B	BRE-G-MW-105	BRE-G-MW-106A	BRE-G-MW-106B	BRE-G-MW-107A
				Date Sampled	01/27/2009	01/28/2009	01/28/2009	01/29/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009	02/05/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2 UJ	<2	<2	<2	<2	<2	<2 UJ	<2 UJ	<2
Diethylene Glycol	111-46-6	N	UG/L										
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2 UJ	<2 UJ	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	<1	17	1 J	16 J
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1 UJ	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1 UJ	<1	<1	<1	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1 UJ	<1	<1	<1	<1	<1	<1	<1	2 J
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3 R	<3	<3	<3	<3	<3 R	<3	<3 R
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1	<1 R
Propylene Glycol	57-55-6	N	UG/L										
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L										
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		8.4	<0.600	0.780 J	6.7	1.80 J	5.9	66.5	1.30 J	72.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-101	MW-102A	MW-102B	MW-104A	MW-104B	MW-105	MW-106A	MW-106B	MW-107A
				Field Sample ID	21361710	21361722	21361724	21378966	21378968	21378970	21413409	21413411	21396400
				Sample Name	BRE-G-MW-101	BRE-G-MW-102A	BRE-G-MW-102B	BRE-G-MW-104A	BRE-G-MW-104B	BRE-G-MW-105	BRE-G-MW-106A	BRE-G-MW-106B	BRE-G-MW-107A
				Date Sampled	01/27/2009	01/28/2009	01/28/2009	01/29/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009	02/05/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900 UJ	<0.900 UJ	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00 UJ	<3.00 UJ	<3.00 UJ
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10	<2.10	<2.10	2.30 J	<2.10 UJ	<2.10 UJ
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	3.10 B	2.90 B	<2.70
Iron	7439-89-6	N	UG/L		<52.20	1720	93.70 J	<52.20	111.0 J	66.70 J	9	<52.20	31300.00
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		3.40 J	5690	994	10.8	223	119	1570 J	61.50 J	1910 J
Mercury	7439-97-6	N	UG/L		0.000194 J	0.00323	0.00227	0.00066	0.00441	0.00156	0.000216 J	0.0031	0.000185 J
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60 UJ	<5.60 UJ	<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50	<2.50	<2.50	<2.50 UJ	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-108	MW-109A	MW-109B	MW-110B	MW-111A	MW-111B	MW-112A	MW-112B
				Field Sample ID	21396402	21412331	21431551	21431553	21430385	21475192	21455556	21455552	21455554
				Sample Name	BRE-G-MW-107B	BRE-G-MW-108	BRE-G-MW-109A	BRE-G-MW-109B	BRE-G-MW-110B	BRE-G-BR-111A	BRE-G-MW-111B	BRE-G-MW-112A	BRE-G-MW-112B
				Date Sampled	02/05/2009	02/10/2009	02/12/2009	02/12/2009	02/17/2009	02/25/2009	02/18/2009	02/18/2009	02/18/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.5	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	11	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	3.6 J	3.2 B	3.0 J	3.5 J	3.3 J	3.4 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	1.0	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	2.7	<0.1	<0.1	<0.1	<0.1	13	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	4.1	<0.1	<0.1	<0.1	<0.1	6.9	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-108	MW-109A	MW-109B	MW-110B	MW-111A	MW-111B	MW-112A	MW-112B
				Field Sample ID	21396402	21412331	21431551	21431553	21430385	21475192	21455556	21455552	21455554
				Sample Name	BRE-G-MW-107B	BRE-G-MW-108	BRE-G-MW-109A	BRE-G-MW-109B	BRE-G-MW-110B	BRE-G-BR-111A	BRE-G-MW-111B	BRE-G-MW-112A	BRE-G-MW-112B
				Date Sampled	02/05/2009	02/10/2009	02/12/2009	02/12/2009	02/17/2009	02/25/2009	02/18/2009	02/18/2009	02/18/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	2.0	<0.1	<0.1	0.5	<0.1	110	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	5.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.78	<0.010	<0.010	<0.010	<0.010	0.012 J	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3 R	<3 R	<3	<3	<5	<3	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<19 R	<19 R	<20	<20	<35	<19	<21	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5 R	<5 R	<5	<5	<9	<5	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2 R	<2 R	<2	<2	<3	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10 R	<10 R	<10	<10	<17	<10	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-108	MW-109A	MW-109B	MW-110B	MW-111A	MW-111B	MW-112A	MW-112B
				Field Sample ID	21396402	21412331	21431551	21431553	21430385	21475192	21455556	21455552	21455554
				Sample Name	BRE-G-MW-107B	BRE-G-MW-108	BRE-G-MW-109A	BRE-G-MW-109B	BRE-G-MW-110B	BRE-G-BR-111A	BRE-G-MW-111B	BRE-G-MW-112A	BRE-G-MW-112B
				Date Sampled	02/05/2009	02/10/2009	02/12/2009	02/12/2009	02/17/2009	02/25/2009	02/18/2009	02/18/2009	02/18/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<9	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L										
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<9	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1 UJ	<1	<1	<1 UJ	<2	<1 UJ	<1	<1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3 R	<3 R	<3	<3	<5	<3	<3	<3
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1 R	<1 R	<1	<1	<2	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L										
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<2	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L										
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<3	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70		<9.70 UJ	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	20	<10.00		<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		1.20 J	11.1	14.2	7.5	3.80 J		71.3	7	24.7

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-108	MW-109A	MW-109B	MW-110B	MW-111A	MW-111B	MW-112A	MW-112B
				Field Sample ID	21396402	21412331	21431551	21431553	21430385	21475192	21455556	21455552	21455554
				Sample Name	BRE-G-MW-107B	BRE-G-MW-108	BRE-G-MW-109A	BRE-G-MW-109B	BRE-G-MW-110B	BRE-G-BR-111A	BRE-G-MW-111B	BRE-G-MW-112A	BRE-G-MW-112B
				Date Sampled	02/05/2009	02/10/2009	02/12/2009	02/12/2009	02/17/2009	02/25/2009	02/18/2009	02/18/2009	02/18/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900 UJ	<0.900	<0.900 UJ	<0.900 UJ	<0.900		<0.900 UJ	<0.900	<0.900
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00		<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00 UJ	<3.00	<3.00	<3.00	<3.00		7.20 J	<3.00	<3.00
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<2.10	<2.10 UJ	<2.10 UJ	<2.10		5.1	<2.10	<2.10
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70 UJ	3.90 J	3.80 B		6.00 B	<2.70	<2.70
Iron	7439-89-6	N	UG/L		780	<52.20	536	452	803		12300.00	432	259
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90		10.50 J	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		32.10 J	7580	4670	548	21.4		455	25.6	18.9
Mercury	7439-97-6	N	UG/L		<0.000122	0.0207	0.000755	<0.000122	0.000181 B		0.00307	0.000184 J	0.000432 J
Nickel	7440-02-0	N	UG/L		<5.60 UJ	<5.60	<5.60 UJ	<5.60 UJ	<5.60		<5.60	<5.60	<5.60
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70		<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20		<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00	<14.00	<70.00 UJ	<14.00 UJ	<14.00		<14.00	<14.00	<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50		15.20 J	<2.50	<2.50
Zinc	7440-66-6	N	UG/L		<8.10	<8.10	<8.10 UJ	15.10 J	<8.10		51.3	<8.10	<8.10

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Analyte	CAS No.	Filtered	Units	Location ID	MW-114A	MW-114B	MW-114B	MW-201B	MW-202B	MW-204A	MW-204B	MW-205A	MW-205B
				Field Sample ID	21455558	21455560	21455561	21430387	21430383	21431559	21431561	21431563	21431565
				Sample Name	BRE-G-MW-114A	BRE-G-MW-114B	BRE-G-MW-114B-DUP	BRE-G-MW-201B	BRE-G-MW-202B	BRE-G-MW-204A	BRE-G-MW-204B	BRE-G-MW-205A	BRE-G-MW-205B
				Date Sampled	02/18/2009	02/18/2009	02/18/2009	02/17/2009	02/17/2009	02/12/2009	02/12/2009	02/12/2009	02/12/2009
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	2.0	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	<0.2	0.4 J	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	3.1 J	<3.0	3.1 B	<3.0	<3.0	<3.0	<3.0
Benzene	71-43-2	N	UG/L		9.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	4.8	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.1 J	<0.1	<0.1	<0.1	3.1	<0.1	<0.1	<0.1	2.7
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	3.4	<0.1	<0.1	<0.1	0.2 J

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Analyte	CAS No.	Filtered	Units	Location ID	MW-114A	MW-114B	MW-114B	MW-201B	MW-202B	MW-204A	MW-204B	MW-205A	MW-205B
				Field Sample ID	21455558	21455560	21455561	21430387	21430383	21431559	21431561	21431563	21431565
				Sample Name	BRE-G-MW-114A	BRE-G-MW-114B	BRE-G-MW-114B-DUP	BRE-G-MW-201B	BRE-G-MW-202B	BRE-G-MW-204A	BRE-G-MW-204B	BRE-G-MW-205A	BRE-G-MW-205B
				Date Sampled	02/18/2009	02/18/2009	02/18/2009	02/17/2009	02/17/2009	02/12/2009	02/12/2009	02/12/2009	02/12/2009
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		0.2 J	0.2 J	0.2 J	<0.1	0.3 B	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	0.5
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	54	<0.1	<0.1	<0.1	5.5
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		0.33	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.042 J	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		4 J	<1	<1	<0.9	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3 R	<3	<3	<3	<3	<3	<3	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<19 R	<20	<20	<19	<20	<22	<20	<20	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5 R	<5	<5	<5	<5	<6	<5	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2 R	<2	<2	<2	<2	<2	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10 R	<10	<10	<9	<10	<11	<10	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-114A	MW-114B	MW-114B	MW-201B	MW-202B	MW-204A	MW-204B	MW-205A	MW-205B
				Field Sample ID	21455558	21455560	21455561	21430387	21430383	21431559	21431561	21431563	21431565
				Sample Name	BRE-G-MW-114A	BRE-G-MW-114B	BRE-G-MW-114B-DUP	BRE-G-MW-201B	BRE-G-MW-202B	BRE-G-MW-204A	BRE-G-MW-204B	BRE-G-MW-205A	BRE-G-MW-205B
				Date Sampled	02/18/2009	02/18/2009	02/18/2009	02/17/2009	02/17/2009	02/12/2009	02/12/2009	02/12/2009	02/12/2009
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<6	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L										
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		6 J	<1	<1	<0.9	<1	<1	<1	<1	<1
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<6	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<0.9 UJ	<1 UJ	<1	<1	<1	<1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3 R	<3	<3	<3	<3	<3	<3	<3	<3
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1 R	<1	<1	<0.9	<1	<1	<1	<1	<1
Propylene Glycol	57-55-6	N	UG/L										
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L										
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	13.90 J
Barium	7440-39-3	N	UG/L		12.5	2.00 J	<0.600	4.90 J	4.10 J	25.1	26.5	52.1	6.9

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Analyte	CAS No.	Filtered	Units	Location ID	MW-114A	MW-114B	MW-114B	MW-201B	MW-202B	MW-204A	MW-204B	MW-205A	MW-205B
				Field Sample ID	21455558	21455560	21455561	21430387	21430383	21431559	21431561	21431563	21431565
				Sample Name	BRE-G-MW-114A	BRE-G-MW-114B	BRE-G-MW-114B-DUP	BRE-G-MW-201B	BRE-G-MW-202B	BRE-G-MW-204A	BRE-G-MW-204B	BRE-G-MW-205A	BRE-G-MW-205B
				Date Sampled	02/18/2009	02/18/2009	02/18/2009	02/17/2009	02/17/2009	02/12/2009	02/12/2009	02/12/2009	02/12/2009
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	<0.900	<0.900	<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Cobalt	7440-48-4	N	UG/L		<2.10	<2.10	<2.10	<2.10	<2.10	<2.10 UJ	<2.10 UJ	<2.10 UJ	8.70 B
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	4.10 B	4.10 B	<2.70 UJ	12.20 J	<2.70 UJ	<2.70 UJ
Iron	7439-89-6	N	UG/L		37	58.80 J	<52.20	370.0 B	610	<52.20	652	<52.20	329
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		3520	4.70 J	5.1	28.3	29.9	15	44	84.6	34.4
Mercury	7439-97-6	N	UG/L		0.000358 J	<0.000122	<0.000122	0.000185 B	0.000143 B	<0.000122	<0.000122	0.0602	0.000368 J
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60	<5.60 UJ	<5.60 UJ	<5.60 UJ	<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00	<14.00	<14.00	<14.00	<14.00	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ
Vanadium	7440-62-2	N	UG/L		<2.50	<2.50	<2.50	<2.50	<2.50	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10	11.20 J	<8.10	<8.10	<8.10	<8.10 UJ	24.20 J	<8.10 UJ	<8.10 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW-206A	MW-206B	MW-207A	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A	MW-210B
				Field Sample ID	21438955	21438957	21438948	21438950	21438951	21422825	21422827	21422821	21422823
				Sample Name	BRE-G-MW-206A	BRE-G-MW-206B	BRE-G-MW-207A	BRE-G-MW-207B	BRE-G-MW-207B-DUP	BRE-G-MW-209A	BRE-G-MW-209B	BRE-G-MW-210A	BRE-G-MW-210B
				Date Sampled	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/11/2009	02/11/2009	02/11/2009	02/11/2009
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	4.2 J	<3.0	3.5 J	3.1 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	0.8
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.2
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	2.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-206A	MW-206B	MW-207A	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A	MW-210B
				Field Sample ID	21438955	21438957	21438948	21438950	21438951	21422825	21422827	21422821	21422823
				Sample Name	BRE-G-MW-206A	BRE-G-MW-206B	BRE-G-MW-207A	BRE-G-MW-207B	BRE-G-MW-207B-DUP	BRE-G-MW-209A	BRE-G-MW-209B	BRE-G-MW-210A	BRE-G-MW-210B
				Date Sampled	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/11/2009	02/11/2009	02/11/2009	02/11/2009
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.8
Trichlorofluoromethane	75-69-4	N	UG/L		11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	<0.010	0.015 J	0.011 J	0.034 J	0.67
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	1 J	26	<1	10
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3	<3	<3	<3	<3	<3 R	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<21	<19	<20	<20	<20	<20 R	<19	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5	<5 R	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2	<2 R	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10	<10 R	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-206A	MW-206B	MW-207A	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A	MW-210B
				Field Sample ID	21438955	21438957	21438948	21438950	21438951	21422825	21422827	21422821	21422823
				Sample Name	BRE-G-MW-206A	BRE-G-MW-206B	BRE-G-MW-207A	BRE-G-MW-207B	BRE-G-MW-207B-DUP	BRE-G-MW-209A	BRE-G-MW-209B	BRE-G-MW-210A	BRE-G-MW-210B
				Date Sampled	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/11/2009	02/11/2009	02/11/2009	02/11/2009
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	3 J
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ
Diethylene Glycol	111-46-6	N	UG/L										
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2 UJ	<2 UJ	<2 UJ	<2 UJ
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	11 J	3 J	<1	130 J
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3	<3	<3 R	<3	<3
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1 R	<1	<1
Propylene Glycol	57-55-6	N	UG/L										
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L										
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70	<9.70 UJ	<9.70 UJ	<9.70 UJ	<9.70 UJ
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		90.5	12.6	24.4	19.4	18.8	1.90 J	28.7	9.3	51.3

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Analyte	CAS No.	Filtered	Units	Location ID	MW-206A	MW-206B	MW-207A	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A	MW-210B
				Field Sample ID	21438955	21438957	21438948	21438950	21438951	21422825	21422827	21422821	21422823
				Sample Name	BRE-G-MW-206A	BRE-G-MW-206B	BRE-G-MW-207A	BRE-G-MW-207B	BRE-G-MW-207B-DUP	BRE-G-MW-209A	BRE-G-MW-209B	BRE-G-MW-210A	BRE-G-MW-210B
				Date Sampled	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/13/2009	02/11/2009	02/11/2009	02/11/2009	02/11/2009
				Sample Purpose	FS	FS	FS	FS	DUP	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	<0.900	<0.900	<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	2.30 J	<2.10 UJ	4.60 J
Copper	7440-50-8	N	UG/L		<2.70 UJ	<2.70 UJ	<2.70 UJ	6.90 J	5.00 J	<2.70 UJ	<2.70 UJ	<2.70 UJ	<2.70 UJ
Iron	7439-89-6	N	UG/L		<52.20	<52.20	159.0 J	76.50 J	61.30 J	162.0 J	<52.20	1220	14400.00
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		414	9.8	22.1	53.7	53.3	169	31.8	976	657
Mercury	7439-97-6	N	UG/L		0.00811	<0.000122	0.00278	<0.000122	<0.000122	0.00201	0.00149	0.00239	0.000703
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60	<5.60 UJ	<5.60 UJ	<5.60 UJ	<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10 UJ	10.0 J	<8.10 UJ	10.20 J	9.20 J	<8.10 UJ	<8.10 UJ	<8.10 UJ	<8.10 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	MW-211A	MW-211B	MW-211C	MW-212A	MW-212B	MW-213	MW-213	MW-214	MW-215
				Field Sample ID	21422815	21422817	21422819	21412327	21412329	21378972	21378973	21413401	21413405
				Sample Name	BRE-G-MW-211A	BRE-G-MW-211B	BRE-G-MW-211C	BRE-G-MW-212A	BRE-G-MW-212B	BRE-G-MW-213	BRE-G-MW-213-DUP	BRE-G-MW-214	BRE-G-MW-215
				Date Sampled	02/11/2009	02/11/2009	02/11/2009	02/10/2009	02/10/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	0.3 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.5	0.5	0.1 J	0.1 J
1,1-Dichloroethene	75-35-4	N	UG/L		0.3 J	<0.1	<0.1	0.3 J	0.2 J	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.3 J	0.1 J	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	1.2	1.2	0.5	0.2 J
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	0.4 J	2.8	4.2	1.9	1.9	0.9	0.3 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	0.2 J	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	0.2 J	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	1.7	1.7	0.5	0.5
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	0.2 J	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	0.3 J	0.3 J	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.5	0.2 J	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-211A	MW-211B	MW-211C	MW-212A	MW-212B	MW-213	MW-213	MW-214	MW-215
				Field Sample ID	21422815	21422817	21422819	21412327	21412329	21378972	21378973	21413401	21413405
				Sample Name	BRE-G-MW-211A	BRE-G-MW-211B	BRE-G-MW-211C	BRE-G-MW-212A	BRE-G-MW-212B	BRE-G-MW-213	BRE-G-MW-213-DUP	BRE-G-MW-214	BRE-G-MW-215
				Date Sampled	02/11/2009	02/11/2009	02/11/2009	02/10/2009	02/10/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	0.2 J	0.1 J	0.1 J	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	1.2	0.5	0.7	1.9	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		0.8	<0.1	<0.1	<0.1	1.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		0.013 J	<0.010	<0.010	0.13	0.26	1.2	1.2	1.1	0.53
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	4 J	5	16	16	11	3 J
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
2,4-Dichlorophenol	120-83-2	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
2,4-Dimethylphenol	105-67-9	N	UG/L		<3 R	<3	<3	<3 R	<3	<3	<3	<3 R	<3 R
2,4-Dinitrophenol	51-28-5	N	UG/L		<20 R	<20	<20	<20 R	<20	<20	<20	<20 R	<20 R
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1 R	<1	<1	<1 R	<1 UJ	<1	<1	<1 R	<1 R
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5 R	<5	<5	<5 R	<5	<5	<5	<5 R	<5 R
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2 R	<2	<2	<2 R	<2	<2	<2	<2 R	<2 R
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10 R	<10	<10	<10 R	<10	<10	<10	<10 R	<10 R
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-211A	MW-211B	MW-211C	MW-212A	MW-212B	MW-213	MW-213	MW-214	MW-215
				Field Sample ID	21422815	21422817	21422819	21412327	21412329	21378972	21378973	21413401	21413405
				Sample Name	BRE-G-MW-211A	BRE-G-MW-211B	BRE-G-MW-211C	BRE-G-MW-212A	BRE-G-MW-212B	BRE-G-MW-213	BRE-G-MW-213-DUP	BRE-G-MW-214	BRE-G-MW-215
				Date Sampled	02/11/2009	02/11/2009	02/11/2009	02/10/2009	02/10/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	1 J	14	13	<1	4 J
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2 UJ	<2 UJ	<2 UJ	<2	<2	<2	<2	<2 UJ	<2 UJ
Diethylene Glycol	111-46-6	N	UG/L										
Dimethyl Phthalate	131-11-3	N	UG/L		<2 UJ	<2 UJ	<2 UJ	<2	<2	<2	<2	<2 UJ	<2 UJ
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	10 J	19 J	160 J	150 J	4 J	120
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3 R	<3	<3	<3 R	<3	<3	<3	<3 R	<3 R
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1 R	<1	<1	<1 R	<1	<1	<1	<1 R	<1 R
Propylene Glycol	57-55-6	N	UG/L										
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L										
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70 UJ	<9.70 UJ	<9.70 UJ	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		32.6	58.8	10.9	8.9	3.40 J	21.3	20.9	23.7	2.80 J

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Analyte	CAS No.	Filtered	Units	Location ID	MW-211A	MW-211B	MW-211C	MW-212A	MW-212B	MW-213	MW-213	MW-214	MW-215
				Field Sample ID	21422815	21422817	21422819	21412327	21412329	21378972	21378973	21413401	21413405
				Sample Name	BRE-G-MW-211A	BRE-G-MW-211B	BRE-G-MW-211C	BRE-G-MW-212A	BRE-G-MW-212B	BRE-G-MW-213	BRE-G-MW-213-DUP	BRE-G-MW-214	BRE-G-MW-215
				Date Sampled	02/11/2009	02/11/2009	02/11/2009	02/10/2009	02/10/2009	01/29/2009	01/29/2009	02/06/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.900	1.10 J	4.60 J	4.40 J	<0.900 UJ	0.900 J
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00 UJ	<3.00 UJ
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<2.10 UJ	<2.10 UJ	5.6	<2.10	2.80 J	2.50 J	13.90 J	49.20 J
Copper	7440-50-8	N	UG/L		<2.70 UJ	<2.70 UJ	<2.70 UJ	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70
Iron	7439-89-6	N	UG/L		6020	<52.20	305	7250	393	207	221	76400.00	39200.00
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		3710	577	15	4750	148	241	243	1720 J	4210 J
Mercury	7439-97-6	N	UG/L		0.000492 J	0.0758	0.000535	0.000523 B	0.0392	0.00613	0.00778	0.000295 B	<0.000122
Nickel	7440-02-0	N	UG/L		<5.60 UJ	<5.60 UJ	<5.60 UJ	<5.60	<5.60	<5.60	<5.60	<5.60 UJ	<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<70.00 UJ	<14.00 UJ	<14.00 UJ	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50	<2.50	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10 UJ	8.60 J	11.70 J	9.10 J	<8.10	<8.10	<8.10	12.80 J	<8.10

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216A	MW-216B	MW-219A	MW-219B	MW-221B	MW-222A	MW-222B	MW-223A	MW-223B
				Field Sample ID	21412333	21412325	21361726	21361728	21361716	21361718	21361720	21424147	21424149
				Sample Name	BRE-G-MW-216A	BRE-G-MW-216B	BRE-G-MW-219A	BRE-G-MW-219B	BRE-G-MW-221B	BRE-G-MW-222A	BRE-G-MW-222B	BRE-G-MW-223A	BRE-G-MW-223B
				Date Sampled	02/10/2009	02/10/2009	01/28/2009	01/28/2009	01/27/2009	01/27/2009	01/27/2009	02/16/2009	02/16/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	1.3	13	1.0	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	1.3	6.1	0.1 J	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	0.3 J	0.5	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	3.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	3.1 J	<3.0	<3.0	<3.0	<3.0	<3.0	4.6 J	3.8 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		1.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	7.3	74	0.9	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L										
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.1 J	<0.1	<0.1	0.4 J	3.1	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216A	MW-216B	MW-219A	MW-219B	MW-221B	MW-222A	MW-222B	MW-223A	MW-223B
				Field Sample ID	21412333	21412325	21361726	21361728	21361716	21361718	21361720	21424147	21424149
				Sample Name	BRE-G-MW-216A	BRE-G-MW-216B	BRE-G-MW-219A	BRE-G-MW-219B	BRE-G-MW-221B	BRE-G-MW-222A	BRE-G-MW-222B	BRE-G-MW-223A	BRE-G-MW-223B
				Date Sampled	02/10/2009	02/10/2009	01/28/2009	01/28/2009	01/27/2009	01/27/2009	01/27/2009	02/16/2009	02/16/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	0.8	7.3	0.1 J	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	4.4	32	0.1 J	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	0.15	32	0.37	0.15	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	2 J	<1	<1	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3	<3	<3	<3	<3 R	<3 R	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<20	<20	<20	<20	<20 R	<20 R	<20	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1 UJ	<1 UJ	<1	<1	<1	<1 R	<1 R	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5 R	<5 R	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<1	<1	<1 R	<1 R	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2 UJ	<2 UJ	<2 UJ	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2	<2	<2 R	<2 R	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<10 R	<10 R	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216A	MW-216B	MW-219A	MW-219B	MW-221B	MW-222A	MW-222B	MW-223A	MW-223B	
				Field Sample ID	21412333	21412325	21361726	21361728	21361716	21361718	21361720	21424147	21424149	
				Sample Name	BRE-G-MW-216A	BRE-G-MW-216B	BRE-G-MW-219A	BRE-G-MW-219B	BRE-G-MW-221B	BRE-G-MW-222A	BRE-G-MW-222B	BRE-G-MW-223A	BRE-G-MW-223B	
				Date Sampled	02/10/2009	02/10/2009	01/28/2009	01/28/2009	01/27/2009	01/27/2009	01/27/2009	01/27/2009	02/16/2009	02/16/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Biphenyl	92-52-4	N	UG/L		<1	73	<1	<1	<1	<1	<1	<1	<1	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2 UJ	<2 UJ	<2 UJ	<2	<2	
Diethylene Glycol	111-46-6	N	UG/L											
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Diphenyl Ether	101-84-8	N	UG/L		<1	210 J	<1	<1	<1	<1	<1	<1	<1	
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1	<1	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1	<1	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	<1	<1 UJ	<1 UJ	<1 UJ	<1	<1	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Nitrobenzene	98-95-3	N	UG/L		<1 UJ	<1 UJ	<1	<1	<1	<1	<1	<1 UJ	<1	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3	<3 R	<3 R	<3	<3	<3	
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Phenol	108-95-2	N	UG/L		<1	<1	<1	<1	<1 R	<1 R	<1	<1	<1	
Propylene Glycol	57-55-6	N	UG/L											
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	
Triethylene Glycol	112-27-6	N	UG/L											
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	
Barium	7440-39-3	N	UG/L		34.3	2.70 J	19.9	<0.600	3.90 J	12.9	0.790 J	10.5	3.90 J	

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216A	MW-216B	MW-219A	MW-219B	MW-221B	MW-222A	MW-222B	MW-223A	MW-223B
				Field Sample ID	21412333	21412325	21361726	21361728	21361716	21361718	21361720	21424147	21424149
				Sample Name	BRE-G-MW-216A	BRE-G-MW-216B	BRE-G-MW-219A	BRE-G-MW-219B	BRE-G-MW-221B	BRE-G-MW-222A	BRE-G-MW-222B	BRE-G-MW-223A	BRE-G-MW-223B
				Date Sampled	02/10/2009	02/10/2009	01/28/2009	01/28/2009	01/27/2009	01/27/2009	01/27/2009	02/16/2009	02/16/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Cobalt	7440-48-4	N	UG/L		<2.10	<2.10	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10	<2.10
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70
Iron	7439-89-6	N	UG/L		<52.20	<52.20	<52.20	77.60 J	948	4590	81.30 J	<52.20	<52.20
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		116	18.5	13.2	5.1	357	530	4340	12	2.30 J
Mercury	7439-97-6	N	UG/L		0.00154 B	0.00151 B	0.00128	0.000926	0.00987	0.00956	0.00964	0.0002 J	0.000132 J
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50	<2.50
Zinc	7440-66-6	N	UG/L		<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10

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Analyte	CAS No.	Filtered	Units	Location ID	MW-224A	MW-224B	MW-225A	MW-225B	MW-300	MW-301A	MW-301B	MW-302A	MW-302B
				Field Sample ID	21424151	21424153	21361712	21361714	21465492	21465494	21465496	21475188	21475190
				Sample Name	BRE-G-MW-224A	BRE-G-MW-224B	BRE-G-MW-225A	BRE-G-MW-225B	BRE-G-MW-300	BRE-G-MW-301A	BRE-G-MW-301B	BRE-G-MW-302A	BRE-G-MW-302B
				Date Sampled	02/16/2009	02/16/2009	01/27/2009	01/27/2009	02/24/2009	02/24/2009	02/24/2009	02/25/2009	02/25/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	4.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	0.5	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	11	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		0.2 J	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		3.3 J	3.0 J	<3.0	<3.0	6.4	3.4 J	29	3.5 J	3.5 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	23	1.9	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L						<5040	5690 J	<5040	<5040	<5040
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	2.7 J	300	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	1.6	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-224A	MW-224B	MW-225A	MW-225B	MW-300	MW-301A	MW-301B	MW-302A	MW-302B
				Field Sample ID	21424151	21424153	21361712	21361714	21465492	21465494	21465496	21475188	21475190
				Sample Name	BRE-G-MW-224A	BRE-G-MW-224B	BRE-G-MW-225A	BRE-G-MW-225B	BRE-G-MW-300	BRE-G-MW-301A	BRE-G-MW-301B	BRE-G-MW-302A	BRE-G-MW-302B
				Date Sampled	02/16/2009	02/16/2009	01/27/2009	01/27/2009	02/24/2009	02/24/2009	02/24/2009	02/25/2009	02/25/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	4.4	0.5	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	23	0.7	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		2.1	<0.1	<0.1	<0.1	26	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	0.013 J	<0.010	0.054	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3	<3	<3 R	<3 R	<3	<3 R	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<21	<21	<20	<19 R	<21 R	<20	<20 R	<21	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1 UJ	<0.9 UJ	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1 UJ	<0.9 UJ	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5 R	<5 R	<5	<5 R	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2 UJ	<2 UJ	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<2	<2 R	<2 R	<2	<2 R	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<11	<10	<10	<9 R	<10 R	<10	<10 R	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-224A	MW-224B	MW-225A	MW-225B	MW-300	MW-301A	MW-301B	MW-302A	MW-302B
				Field Sample ID	21424151	21424153	21361712	21361714	21465492	21465494	21465496	21475188	21475190
				Sample Name	BRE-G-MW-224A	BRE-G-MW-224B	BRE-G-MW-225A	BRE-G-MW-225B	BRE-G-MW-300	BRE-G-MW-301A	BRE-G-MW-301B	BRE-G-MW-302A	BRE-G-MW-302B
				Date Sampled	02/16/2009	02/16/2009	01/27/2009	01/27/2009	02/24/2009	02/24/2009	02/24/2009	02/25/2009	02/25/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2 UJ	<2 UJ	4 J	<2	<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L						5440 J	5280 J	<4640	6310 J	6320 J
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1 UJ	<0.9 UJ	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1 UJ	<0.9 UJ	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1 UJ	<0.9 UJ	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<3	<3 R	<3 R	<3	<3 R	<3	<3
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1	<1	<0.9 R	<1 R	<1	<1 R	<1	<1
Propylene Glycol	57-55-6	N	UG/L						<3930.000	<3930.000	<3930.000	<3930.000	<3930.000
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<0.9	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L						<5890	<5890	<5890	<5890	<5890
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		69.8	33.1	9.2	2.60 J	15.8	21.5	7.3	0.700 J	<0.600

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Analyte	CAS No.	Filtered	Units	Location ID	MW-224A	MW-224B	MW-225A	MW-225B	MW-300	MW-301A	MW-301B	MW-302A	MW-302B
				Field Sample ID	21424151	21424153	21361712	21361714	21465492	21465494	21465496	21475188	21475190
				Sample Name	BRE-G-MW-224A	BRE-G-MW-224B	BRE-G-MW-225A	BRE-G-MW-225B	BRE-G-MW-300	BRE-G-MW-301A	BRE-G-MW-301B	BRE-G-MW-302A	BRE-G-MW-302B
				Date Sampled	02/16/2009	02/16/2009	01/27/2009	01/27/2009	02/24/2009	02/24/2009	02/24/2009	02/25/2009	02/25/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900	<0.900
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Cobalt	7440-48-4	N	UG/L		<2.10	<2.10	<2.10 UJ	<2.10 UJ	<2.10	2.50 J	26.7	<2.10 UJ	<2.10 UJ
Copper	7440-50-8	N	UG/L		3.20 B	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70	<2.70
Iron	7439-89-6	N	UG/L		<52.20	56.90 B	136.0 J	1070	18700.00 J	800.0 J	3370. J	<52.20	<52.20
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		21.4	7.2	37.6	3480	6850	198	620	<0.840	6.9
Mercury	7439-97-6	N	UG/L		0.000403 J	0.000207 J	0.00092	<0.000122	0.000914	0.000738	0.000203 J	0.000197 J	0.000209 J
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60	<5.60
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00	<14.00 UJ	<14.00 UJ
Vanadium	7440-62-2	N	UG/L		<2.50	<2.50	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10	<8.10

Summary of Analytical Results - Surficial Aquifer Groundwater - 2009
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Analyte	CAS No.	Filtered	Units	Location ID	MW-303	MW-304A	MW-304B	MW-305	R87-S10	R87-S3	R87-S4	R87-S5	R87-S7	R87-S8
				Field Sample ID	21475186	21475182	21475184	21475180	21413407	21422829	21431555	21431557	21438953	21413399
				Sample Name	BRE-G-MW-303	BRE-G-MW-304A	BRE-G-MW-304B	BRE-G-MW-305	BRE-G-R87-S10	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S8
				Date Sampled	02/25/2009	02/25/2009	02/25/2009	02/24/2009	02/06/2009	02/11/2009	02/12/2009	02/12/2009	02/13/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.6	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.4 J	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		3.3 J	3.3 J	6.4	3.7 J	<3.0	<3.0	<3.0	<3.0	<3.0	3.4 J
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.2 J	0.4 J	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	81	<0.1	<0.1	<0.1	0.1 J	8.0	0.3 J	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<5040	<5040	8910 J	<5040						
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	43	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-303	MW-304A	MW-304B	MW-305	R87-S10	R87-S3	R87-S4	R87-S5	R87-S7	R87-S8
				Field Sample ID	21475186	21475182	21475184	21475180	21413407	21422829	21431555	21431557	21438953	21413399
				Sample Name	BRE-G-MW-303	BRE-G-MW-304A	BRE-G-MW-304B	BRE-G-MW-305	BRE-G-R87-S10	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S8
				Date Sampled	02/25/2009	02/25/2009	02/25/2009	02/24/2009	02/06/2009	02/11/2009	02/12/2009	02/12/2009	02/13/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	1.8	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1	260	<0.1	<0.1	<0.1	<0.1	21	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.037 J	<0.010	<0.010	0.011 J	0.047 J	0.10	0.12	<0.010	0.095
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	4 J	8	8 J	<1	2 J
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3 R	<3	<3	<3	<3	<3 R	<3 R	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<21	<21 R	<20	<21	<20	<20	<20 R	<19 R	<19	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5 R	<5	<5	<5	<5	<5 R	<5 R	<5	<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2 R	<2	<2	<2	<2	<2 R	<2 R	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<10 R	<10	<10	<10	<10	<10 R	<10 R	<10	<10
Acenaphthene	83-32-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acetophenone	98-86-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Anthracene	120-12-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	MW-303	MW-304A	MW-304B	MW-305	R87-S10	R87-S3	R87-S4	R87-S5	R87-S7	R87-S8
				Field Sample ID	21475186	21475182	21475184	21475180	21413407	21422829	21431555	21431557	21438953	21413399
				Sample Name	BRE-G-MW-303	BRE-G-MW-304A	BRE-G-MW-304B	BRE-G-MW-305	BRE-G-R87-S10	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S8
				Date Sampled	02/25/2009	02/25/2009	02/25/2009	02/24/2009	02/06/2009	02/11/2009	02/12/2009	02/12/2009	02/13/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Biphenyl	92-52-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Caprolactam	105-60-2	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbazole	86-74-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	218-01-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2 UJ	<2 UJ	<2	<2	<2	<2 UJ
Diethylene Glycol	111-46-6	N	UG/L		6080 J	11000 J	8720 J	12400 J						
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2 UJ	<2 UJ	<2	<2	<2	<2 UJ
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<1	<1	<1	3 J	8	5 J	<1	3 J
Fluoranthene	206-44-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	86-73-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	91-20-3	N	UG/L		<1	<1	<1	1 J	<1	<1	<1	<1	<1	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<1	<1	<1 UJ	<1	<1	<1	<1	<1 UJ
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L		<3	<3 R	<3	<3	<3	<3	<3 R	<3 R	<3	<3
Phenanthrene	85-01-8	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	108-95-2	N	UG/L		<1	<1 R	<1	<1	<1	<1	<1 R	<1 R	<1	<1
Propylene Glycol	57-55-6	N	UG/L		<3930.000	<3930.000	<3930.000	<3930.000						
Pyrene	129-00-0	N	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Triethylene Glycol	112-27-6	N	UG/L		<5890	8220 J	<5890	<5890						
Atrazine	1912-24-9	N	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L		<9.70	<9.70 UJ	<9.70 UJ	<9.70 UJ	<9.70	<9.70 UJ	<9.70	<9.70	<9.70	<9.70
Arsenic	7440-38-2	N	UG/L		<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	10.30 J	<10.00	<10.00	<10.00
Barium	7440-39-3	N	UG/L		3.80 J	11.1	<0.600	86.4	22.7	82.8	78.9	390	9.1	28

Summary of Analytical Results - Surficial Aquifer Groundwater - 2009
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW-303	MW-304A	MW-304B	MW-305	R87-S10	R87-S3	R87-S4	R87-S5	R87-S7	R87-S8
				Field Sample ID	21475186	21475182	21475184	21475180	21413407	21422829	21431555	21431557	21438953	21413399
				Sample Name	BRE-G-MW-303	BRE-G-MW-304A	BRE-G-MW-304B	BRE-G-MW-305	BRE-G-R87-S10	BRE-G-R87-S3	BRE-G-R87-S4	BRE-G-R87-S5	BRE-G-R87-S7	BRE-G-R87-S8
				Date Sampled	02/25/2009	02/25/2009	02/25/2009	02/24/2009	02/06/2009	02/11/2009	02/12/2009	02/12/2009	02/13/2009	02/06/2009
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.900	1.80 J	<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.900	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Chromium	7440-47-3	N	UG/L		<3.00	<3.00	<3.00	4.10 B	<3.00 UJ	<3.00	<3.00	<3.00	<3.00	<3.00 UJ
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	<2.10 UJ	7.30 B	10.10 B	<2.10 UJ	<2.10 UJ
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.70	3.60 J	<2.70	<2.70 UJ	<2.70 UJ	<2.70 UJ	<2.70 UJ	<2.70
Iron	7439-89-6	N	UG/L		<52.20	13100.00	<52.20	6490	274	4350	17800.00	40300.00	185.0 J	3700
Lead	7439-92-1	N	UG/L		<6.90	<6.90	<6.90	15.6	<6.90	<6.90	<6.90	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L		274	1490	27.1	224	40.20 J	183	7150	2010	8.6	245.0 J
Mercury	7439-97-6	N	UG/L		0.000305 J	<0.000122	0.000403 J	0.00984	<0.000122	0.000803	0.00199	0.00183 J	0.000354 J	0.000253 B
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<5.60	<5.60	<5.60 UJ	<5.60 UJ	<5.60 UJ	<5.60 UJ	<5.60	<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70	<10.70
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
Thallium	7440-28-0	N	UG/L		<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00 UJ	<14.00	<14.00 UJ	<70.00 UJ	<14.00 UJ	<14.00 UJ	<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	2.60 B	<2.50 UJ	8.00 B	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ	<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10	<8.10	<8.10	25.7	<8.10	<8.10 UJ	<8.10 UJ	18.50 J	<8.10 UJ	<8.10

Summary of Analytical Results - Surficial Aquifer Groundwater - 2009
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	R87-S9
				Field Sample ID	21413403
				Sample Name	BRE-G-R87-S9
				Date Sampled	02/06/2009
				Sample Purpose	FS
<i>Volatile Organic Compounds</i>					
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0
Acetone	67-64-1	N	UG/L		<3.0
Benzene	71-43-2	N	UG/L		<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1
Bromoform	75-25-2	N	UG/L		<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1
Chloroform	67-66-3	N	UG/L		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1
Cumene	98-82-8	N	UG/L		<0.1
Cyclohexane	110-82-7	N	UG/L		<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1
Ethylene Glycol	107-21-1	N	UG/L		
Methyl Acetate	79-20-9	N	UG/L		<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2
Styrene	100-42-5	N	UG/L		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1

Summary of Analytical Results - Surficial Aquifer Groundwater - 2009
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	R87-S9
				Field Sample ID	21413403
				Sample Name	BRE-G-R87-S9
				Date Sampled	02/06/2009
				Sample Purpose	FS
Toluene	108-88-3	N	UG/L		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1
Trichloroethene	79-01-6	N	UG/L		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1
Vinyl Chloride	75-01-4	N	UG/L		<0.010
Xylenes	1330-20-7	N	UG/L		<0.1
Semivolatile Organic Compounds					
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1
1,4-Dioxane	123-91-1	N	UG/L		<1
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1
2-Chloronaphthalene	91-58-7	N	UG/L		<2
2-Chlorophenol	95-57-8	N	UG/L		<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1
2-Nitroaniline	88-74-4	N	UG/L		<1
2-Nitrophenol	88-75-5	N	UG/L		<1
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2
3-Nitroaniline	99-09-2	N	UG/L		<1
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1
4-Chloroaniline	106-47-8	N	UG/L		<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2
4-Nitroaniline	100-01-6	N	UG/L		<1
4-Nitrophenol	100-02-7	N	UG/L		<10
Acenaphthene	83-32-9	N	UG/L		<1
Acenaphthylene	208-96-8	N	UG/L		<1
Acetophenone	98-86-2	N	UG/L		<2
Anthracene	120-12-7	N	UG/L		<1
Benzaldehyde	100-52-7	N	UG/L		<1
Benzo(A)Anthracene	56-55-3	N	UG/L		<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9
				Field Sample ID	21413403
				Sample Name	BRE-G-R87-S9
				Date Sampled	02/06/2009
				Sample Purpose	FS
Benzo[A]Pyrene	50-32-8	N	UG/L		<1
Biphenyl	92-52-4	N	UG/L		<1
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2
Caprolactam	105-60-2	N	UG/L		<5
Carbazole	86-74-8	N	UG/L		<1
Chrysene	218-01-9	N	UG/L		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1
Dibenzofuran	132-64-9	N	UG/L		<1
Diethyl Phthalate	84-66-2	N	UG/L		<2 UJ
Diethylene Glycol	111-46-6	N	UG/L		
Dimethyl Phthalate	131-11-3	N	UG/L		<2 UJ
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2
Diphenyl Ether	101-84-8	N	UG/L		<1
Fluoranthene	206-44-0	N	UG/L		<1
Fluorene	86-73-7	N	UG/L		<1
Hexachlorobenzene	118-74-1	N	UG/L		<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5
Hexachloroethane	67-72-1	N	UG/L		<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1
Isophorone	78-59-1	N	UG/L		<1
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1
Naphthalene	91-20-3	N	UG/L		<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2
Nitrobenzene	98-95-3	N	UG/L		<1 UJ
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2
Pentachlorophenol	87-86-5	N	UG/L		<3
Phenanthrene	85-01-8	N	UG/L		<1
Phenol	108-95-2	N	UG/L		<1
Propylene Glycol	57-55-6	N	UG/L		
Pyrene	129-00-0	N	UG/L		<1
Triethylene Glycol	112-27-6	N	UG/L		
Atrazine	1912-24-9	N	UG/L		<2
<i>Inorganics</i>					
Antimony	7440-36-0	N	UG/L		<9.70
Arsenic	7440-38-2	N	UG/L		<10.00
Barium	7440-39-3	N	UG/L		26.3

Summary of Analytical Results - Surficial Aquifer Groundwater - 2009
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Analyte	CAS No.	Filtered	Units	Location ID	R87-S9
				Field Sample ID	21413403
				Sample Name	BRE-G-R87-S9
				Date Sampled	02/06/2009
				Sample Purpose	FS
Beryllium	7440-41-7	N	UG/L		<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<2.00
Chromium	7440-47-3	N	UG/L		<3.00 UJ
Cobalt	7440-48-4	N	UG/L		<2.10 UJ
Copper	7440-50-8	N	UG/L		2.90 B
Iron	7439-89-6	N	UG/L		154.0 J
Lead	7439-92-1	N	UG/L		<6.90
Manganese	7439-96-5	N	UG/L		10.30 J
Mercury	7439-97-6	N	UG/L		0.000186 B
Nickel	7440-02-0	N	UG/L		<5.60 UJ
Selenium	7782-49-2	N	UG/L		<10.70
Silver	7440-22-4	N	UG/L		<2.20
Thallium	7440-28-0	N	UG/L		<14.00
Vanadium	7440-62-2	N	UG/L		<2.50 UJ
Zinc	7440-66-6	N	UG/L		<8.10

Summary of Analytical Results - Surficial Aquifer Groundwater - 2012
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW-106A	MW-106A	MW-106A	MW-106A	MW-107A	MW-107A	MW-107A	MW-107A
				Field Sample ID	28225429	GW1H14-MW-106A	GW2H13-MW-106A	GW2H14-MW-106A	28225432	GW1H14-MW-107A	GW2H13-MW-107A	GW2H14-MW-107A
				Sample Name	BRE-G-MW-106A				BRE-G-MW-107A			
				Date Sampled	09/27/2012	04/09/2014	10/10/2013	11/10/2014	09/28/2012	04/10/2014	10/10/2013	11/11/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J	0.1 J	0.2 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0		<7.0		<7.0	
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1		<0.1		<0.1	
Benzene	71-43-2	N	UG/L		0.3 J	0.2 J	0.3 J	0.3 J	0.4 J	0.5	0.4 J	0.5
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1		<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.3 J	0.3 J	0.3 J	0.3 J	0.2 J	0.2 J	0.2 J	0.2 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1		<0.1	
Ethyl Chloride	75-00-3	N	UG/L		0.7	0.8	0.7	0.7	0.4 J	0.2 J	0.3 J	0.2 J
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1		<0.1		<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.3 J	<0.1	0.2 J	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10		<10		<10	
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0		<1.0		<1.0	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-106A	MW-106A	MW-106A	MW-106A	MW-107A	MW-107A	MW-107A	MW-107A
				Field Sample ID	28225429	GW1H14-MW-106A	GW2H13-MW-106A	GW2H14-MW-106A	28225432	GW1H14-MW-107A	GW2H13-MW-107A	GW2H14-MW-107A
				Sample Name	BRE-G-MW-106A				BRE-G-MW-107A			
				Date Sampled	09/27/2012	04/09/2014	10/10/2013	11/10/2014	09/28/2012	04/10/2014	10/10/2013	11/11/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1		<0.1		<0.1	
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2		<0.2		<0.2	
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0		<2.0		<2.0	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		0.2 J	0.1 J	<0.1	<0.1	9.7	0.3 J	0.2 J	0.2 J
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.37	0.32	0.28	0.37	0.71	1.2	0.56	1.0
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	0.3 J	0.5	0.5
<i>Semivolatile Organic Compounds</i>												
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6
1,4-Dioxane	123-91-1	N	UG/L		4 J	4 J	5	3 J	8	4 J	7	3 J
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	0.1 J	0.1 J	<0.1
2-Methylnaphthalene	91-57-6	N	UG/L		<0.1	<0.011	<0.1	<0.011	<0.1	0.12	0.1 J	0.071
Acenaphthene	83-32-9	N	UG/L		<0.0098	<0.011	<0.011	<0.011	0.020 J	<0.010	0.029 J	0.072
Acenaphthylene	208-96-8	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Anthracene	120-12-7	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.012 J	<0.011	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.011 J	<0.011	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.013 J	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.011 J	<0.011	<0.011
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5	<0.5	<0.5	0.9 J	2	2	2
Chrysene	218-01-9	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.011 J	<0.011	<0.011
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Diphenyl Ether	101-84-8	N	UG/L		30	29	32	32	16	32	27	52
Fluoranthene	206-44-0	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Fluorene	86-73-7	N	UG/L		<0.0098	<0.011	<0.011	<0.011	0.011 J	<0.010	<0.011	0.012 J
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	0.012 J	<0.011	<0.011
Naphthalene	91-20-3	N	UG/L		<0.1	<0.032	<0.1	<0.032	2	2.9	4	2.1
Phenanthrene	85-01-8	N	UG/L		<0.030	<0.032	<0.032	<0.032	<0.031	<0.030	<0.032	<0.033

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Analyte	CAS No.	Filtered	Units	Location ID	MW-106A	MW-106A	MW-106A	MW-106A	MW-107A	MW-107A	MW-107A	MW-107A
				Field Sample ID	28225429	GW1H14-MW-106A	GW2H13-MW-106A	GW2H14-MW-106A	28225432	GW1H14-MW-107A	GW2H13-MW-107A	GW2H14-MW-107A
				Sample Name	BRE-G-MW-106A				BRE-G-MW-107A			
				Date Sampled	09/27/2012	04/09/2014	10/10/2013	11/10/2014	09/28/2012	04/10/2014	10/10/2013	11/11/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5	0.7 J	<0.5	<0.5	0.6 J	2
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Pyrene	129-00-0	N	UG/L		<0.0098	<0.011	<0.011	<0.011	<0.010	<0.010	<0.011	<0.011
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
<i>Inorganics</i>												
Antimony	7440-36-0	N	UG/L		<0.330	<0.340	<0.340	<0.330	<0.330	<0.340	<0.340	<0.330
Arsenic	7440-38-2	N	UG/L		0.500 J	<0.780	<0.420	<0.820	<0.400	<0.780	<0.420	<0.820
Barium	7440-39-3	N	UG/L		74.9	76.9	79.2	76.6	84.6	80.6	84.7	74.3
Beryllium	7440-41-7	N	UG/L		<0.670	0.850 J	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670
Cadmium	7440-43-9	N	UG/L		<0.0820	<0.230	<0.230	<0.170	<0.0820	<0.230	<0.230	<0.170
Chromium	7440-47-3	N	UG/L		<1.10	<1.60	<1.60	1.60 J	<1.10	<1.60	<1.60	1.50 J
Cobalt	7440-48-4	N	UG/L		1.90 J	1.80 J	1.70 J	<1.00	1.70 J	<1.30	1.40 J	<1.00
Copper	7440-50-8	N	UG/L		<2.10	<2.70	<2.70	<2.80	<2.10	<2.70	<2.70	<2.80
Lead	7439-92-1	N	UG/L		0.160 J	0.200 J	<0.0850	<0.0820	<0.0340	<0.0850	<0.0850	<0.0820
Mercury	7439-97-6	N	UG/L		<0.0700	<0.0600	<0.0600	<0.0600	<0.0700	<0.0600	<0.0600	<0.0600
Nickel	7440-02-0	N	UG/L		<1.10	<1.50	<1.50	<1.60	<1.10	<1.50	1.60 J	<1.60
Selenium	7782-49-2	N	UG/L		<7.50	<8.40	<8.40	<4.80	<7.50	<8.40	<8.40	<4.80
Silver	7440-22-4	N	UG/L		<1.20	<2.10	<2.10	<1.80	<1.20	<2.10	<2.10	<1.80
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Vanadium	7440-62-2	N	UG/L		1.60 J	<2.00	<2.00	<1.90	1.60 J	<2.00	<2.00	<1.90
Zinc	7440-66-6	N	UG/L		2.20 J	4.40 J	2.30 J	<2.00	<2.00	<2.00	<2.00	2.20 J

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-107B	MW-107B	MW-107B	MW-213	MW-213	MW-213	MW-213
				Field Sample ID	28225446	GW1H14-MW-107B	GW2H13-MW-107B	GW2H14-MW-107B	28223575	GW1H14-MW-213	GW1H14-MW-213-D	GW2H13-MW-213
				Sample Name	BRE-G-MW-107B				BRE-G-MW-213			
				Date Sampled	09/28/2012	04/10/2014	10/10/2013	11/11/2014	09/27/2012	04/09/2014	04/09/2014	10/10/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		0.2 J	0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.1 J	0.1 J
1,1-Dichloroethene	75-35-4	N	UG/L		0.1 J	0.2 J	0.1 J	0.2 J	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0		<7.0			<7.0
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1		<0.1			<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.5	0.2 J	0.2 J	0.3 J
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1			<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	0.1 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1			<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.4 J	0.1 J	0.1 J	0.1 J
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1		<0.1			<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10		<10			<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0		<1.0			<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-107B	MW-107B	MW-107B	MW-213	MW-213	MW-213	MW-213
				Field Sample ID	28225446	GW1H14-MW-107B	GW2H13-MW-107B	GW2H14-MW-107B	28223575	GW1H14-MW-213	GW1H14-MW-213-D	GW2H13-MW-213
				Sample Name	BRE-G-MW-107B				BRE-G-MW-213			
				Date Sampled	09/28/2012	04/10/2014	10/10/2013	11/11/2014	09/27/2012	04/09/2014	04/09/2014	10/10/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1		<0.1			<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2		<0.2			<0.2
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0		<2.0			<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		0.2 B	0.1 J	<0.1	<0.1	0.3 J	0.1 J	0.1 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	0.1 J	0.1 J	0.2 J	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	0.71	0.29	0.29	0.25
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>												
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.6
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	9	<1	2 J	4 J
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	91-57-6	N	UG/L		<0.1	<0.010	<0.1	<0.011	<0.1	<0.011	<0.011	<0.1
Acenaphthene	83-32-9	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Acenaphthylene	208-96-8	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Anthracene	120-12-7	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5	<0.5	<0.5	4	<0.5	<0.6	<0.6
Chrysene	218-01-9	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.6
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Diphenyl Ether	101-84-8	N	UG/L		<0.5	<0.5	<0.5	<0.5	120	31	30	53
Fluoranthene	206-44-0	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Fluorene	86-73-7	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Naphthalene	91-20-3	N	UG/L		<0.1	<0.031	<0.1	<0.032	<0.1	0.057	<0.033	<0.1
Phenanthrene	85-01-8	N	UG/L		<0.030	<0.031	<0.032	<0.032	<0.031	<0.033	<0.033	<0.033

Summary of Analytical Results - Surficial Aquifer Groundwater - 2012
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Analyte	CAS No.	Filtered	Units	Location ID	MW-107B	MW-107B	MW-107B	MW-107B	MW-213	MW-213	MW-213	MW-213
				Field Sample ID	28225446	GW1H14-MW-107B	GW2H13-MW-107B	GW2H14-MW-107B	28223575	GW1H14-MW-213	GW1H14-MW-213-D	GW2H13-MW-213
				Sample Name	BRE-G-MW-107B				BRE-G-MW-213			
				Date Sampled	09/28/2012	04/10/2014	10/10/2013	11/11/2014	09/27/2012	04/09/2014	04/09/2014	10/10/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.6
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Pyrene	129-00-0	N	UG/L		<0.0099	<0.010	<0.011	<0.011	<0.010	<0.011	<0.011	<0.011
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
<i>Inorganics</i>												
Antimony	7440-36-0	N	UG/L		<0.330	<0.340	<0.340	<0.330	<0.330	<0.340	<0.340	<0.340
Arsenic	7440-38-2	N	UG/L		<0.400	<0.780	<0.420	<0.820	<0.400	<0.780	<0.780	<0.420
Barium	7440-39-3	N	UG/L		1.10 J	1.10 B	1.10 B	0.880 B	11.3	6.50 J	6.80 J	8.10 J
Beryllium	7440-41-7	N	UG/L		<0.670	<0.670	<0.670	<0.670	2.40 J	1.70 J	1.70 J	1.30 J
Cadmium	7440-43-9	N	UG/L		<0.0820	<0.230	<0.230	<0.170	0.110 J	<0.230	<0.230	<0.230
Chromium	7440-47-3	N	UG/L		<1.10	<1.60	<1.60	<1.30	<1.10	<1.60	<1.60	<1.60
Cobalt	7440-48-4	N	UG/L		<0.660	<1.30	<1.30	<1.00	1.90 J	1.40 J	<1.30	<1.30
Copper	7440-50-8	N	UG/L		<2.10	<2.70	<2.70	<2.80	<2.10	<2.70	<2.70	<2.70
Lead	7439-92-1	N	UG/L		0.0770 J	<0.0850	<0.0850	<0.0820	0.390 J	<0.0850	<0.0850	<0.0850
Mercury	7439-97-6	N	UG/L		<0.0700	<0.0600	<0.0600	<0.0600	<0.0700	<0.0600	<0.0600	<0.0600
Nickel	7440-02-0	N	UG/L		<1.10	<1.50	<1.50	<1.60	<1.10	<1.50	<1.50	<1.50
Selenium	7782-49-2	N	UG/L		<7.50	<8.40	<8.40	<4.80	<7.50	<8.40	<8.40	<8.40
Silver	7440-22-4	N	UG/L		<1.20	<2.10	<2.10	<1.80	<1.20	<2.10	<2.10	<2.10
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Vanadium	7440-62-2	N	UG/L		<1.30	<2.00	<2.00	<1.90	<1.30	<2.00	<2.00	<2.00
Zinc	7440-66-6	N	UG/L		<2.00	<2.00	3.40 J	<2.00	5.20 J	<2.00	<2.00	4.60 J

Summary of Analytical Results - Surficial Aquifer Groundwater - 2012
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Analyte	CAS No.	Filtered	Units	Location ID	MW-213	MW-216A	MW-216A	MW-216A	MW-216A	MW-216B	MW-216B	MW-216B
				Field Sample ID	GW2H14-MW-213	28223578	GW1H14-MW-216A	GW2H13-MW-216A	GW2H14-MW-216A	28223581	GW1H14-MW-216B	GW2H13-MW-216B
				Sample Name		BRE-G-MW-216A				BRE-G-MW-216B		
				Date Sampled	11/12/2014	09/26/2012	04/08/2014	10/09/2013	11/10/2014	09/26/2012	04/08/2014	10/09/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	0.3 J	0.7	0.5	0.3 J	<0.1	0.3 J	0.1 J
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0		<7.0		<7.0		<7.0
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Allyl Chloride	107-05-1	N	UG/L			<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L			<0.1		<0.1		<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1		<0.1		<0.1		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10		<10		<10		<10
Methacrylonitrile	126-98-7	N	UG/L			<1.0		<1.0		<1.0		<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Summary of Analytical Results - Surficial Aquifer Groundwater - 2012

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Analyte	CAS No.	Filtered	Units	Location ID	MW-213	MW-216A	MW-216A	MW-216A	MW-216A	MW-216B	MW-216B	MW-216B
				Field Sample ID	GW2H14-MW-213	28223578	GW1H14-MW-216A	GW2H13-MW-216A	GW2H14-MW-216A	28223581	GW1H14-MW-216B	GW2H13-MW-216B
				Sample Name		BRE-G-MW-216A				BRE-G-MW-216B		
				Date Sampled	11/12/2014	09/26/2012	04/08/2014	10/09/2013	11/10/2014	09/26/2012	04/08/2014	10/09/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1		<0.1		<0.1		<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L			<0.2		<0.2		<0.2		<0.2
Propionitrile	107-12-0	N	UG/L			<2.0		<2.0		<2.0		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.3 J	0.4 J	0.3 J	0.4 J	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	0.9	0.2 J	<0.1	<0.1	0.6	0.2 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	5.9	4.3	5.3	3.7	<0.1	0.3 J	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.16	<0.010	<0.010	<0.010	<0.010	<0.010	0.020 J	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>												
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.6	<0.5	<0.5	<0.6	<0.6	0.9 J	0.7 J	0.6 J
1,4-Dioxane	123-91-1	N	UG/L		3 J	<0.9	<1	<1	<1	3 J	2 J	2 J
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	91-57-6	N	UG/L		<0.012	<0.09	<0.010	<0.1	<0.011	<0.1	0.035 J	<0.1
Acenaphthene	83-32-9	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Acenaphthylene	208-96-8	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Anthracene	120-12-7	N	UG/L		<0.012	<0.0095	0.013 J	<0.012	<0.011	<0.010	<0.011	<0.011
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Biphenyl	92-52-4	N	UG/L		<0.6	<0.5	<0.5	7	<0.6	630	570	530
Chrysene	218-01-9	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Dibenzofuran	132-64-9	N	UG/L		<0.6	<0.5	<0.5	<0.6	<0.6	4	3	2
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Diphenyl Ether	101-84-8	N	UG/L		61	<0.5	<0.5	26	<0.6	2100	1900	1800
Fluoranthene	206-44-0	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	0.012 J	<0.011
Fluorene	86-73-7	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	0.021 J	0.018 J	0.019 J
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.012	<0.0095	<0.010	<0.012	<0.011	<0.010	<0.011	<0.011
Naphthalene	91-20-3	N	UG/L		<0.035	<0.09	0.045 J	<0.1	<0.033	1	0.90	0.8
Phenanthrene	85-01-8	N	UG/L		<0.035	<0.028	<0.031	<0.035	<0.033	<0.030	<0.032	<0.034

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Analyte	CAS No.	Filtered	Units	Location ID	MW-213	MW-216A	MW-216A	MW-216A	MW-216A	MW-216B	MW-216B	MW-216B
				Field Sample ID	GW2H14-MW-213	28223578	GW1H14-MW-216A	GW2H13-MW-216A	GW2H14-MW-216A	28223581	GW1H14-MW-216B	GW2H13-MW-216B
				Sample Name		BRE-G-MW-216A				BRE-G-MW-216B		
				Date Sampled	11/12/2014	09/26/2012	04/08/2014	10/09/2013	11/10/2014	09/26/2012	04/08/2014	10/09/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Phenol	108-95-2	N	UG/L		<0.6	<0.5	<0.5	<0.6	<0.6	2	<0.5	<0.6
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Pyrene	129-00-0	N	UG/L		<0.012	<0.0095	<0.010	0.015 J	<0.011	<0.010	<0.011	<0.011
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
<i>Inorganics</i>												
Antimony	7440-36-0	N	UG/L		<0.330	<0.330	<0.340	<0.340	<0.330	<0.330	<0.340	<0.340
Arsenic	7440-38-2	N	UG/L		<0.820	<0.400	<0.780	<0.420	<0.820	<0.400	<0.780	<0.420
Barium	7440-39-3	N	UG/L		6.10 J	23.6	41.1	59.9	35.2	4.00 J	5.20 J	5.20 J
Beryllium	7440-41-7	N	UG/L		1.20 J	<0.670	0.770 J	0.940 J	0.820 J	<0.670	<0.670	<0.670
Cadmium	7440-43-9	N	UG/L		<0.170	<0.0820	<0.230	<0.230	<0.170	<0.0820	<0.230	<0.230
Chromium	7440-47-3	N	UG/L		<1.30	<1.10	<1.60	<1.60	<1.30	<1.10	<1.60	<1.60
Cobalt	7440-48-4	N	UG/L		<1.00	<0.660	<1.30	<1.30	<1.00	<0.660	<1.30	<1.30
Copper	7440-50-8	N	UG/L		<2.80	<2.10	<2.70	<2.70	<2.80	<2.10	<2.70	<2.70
Lead	7439-92-1	N	UG/L		<0.0820	0.120 J	0.130 J	0.0980 J	0.140 J	0.180 J	<0.0850	<0.0850
Mercury	7439-97-6	N	UG/L		<0.0600	<0.0700	<0.0600	<0.0600	<0.0600	<0.0700	<0.0600	<0.0600
Nickel	7440-02-0	N	UG/L		<1.60	<1.10	<1.50	<1.50	<1.60	<1.10	<1.50	<1.50
Selenium	7782-49-2	N	UG/L		<4.80	<7.50	<8.40	<8.40	<4.80	<7.50	<8.40	<8.40
Silver	7440-22-4	N	UG/L		<1.80	<1.20	<2.10	<2.10	<1.80	<1.20	<2.10	<2.10
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150	<0.150	0.160 J	<0.150	<0.150	<0.150
Vanadium	7440-62-2	N	UG/L		<1.90	<1.30	<2.00	<2.00	<1.90	<1.30	<2.00	<2.00
Zinc	7440-66-6	N	UG/L		<2.00	3.50 J	4.60 J	<2.00	<2.00	4.80 J	3.80 J	<2.00

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216B	MW-216B	R87-S10	R87-S10	R87-S10	R87-S10	R87-S10	R87-S8	R87-S8
				Field Sample ID	GW2H13-MW-216B-D	GW2H14-MW-216B	28225443	GW1H14-R87-S10	GW2H13-R87-S10	GW2H14-R87-S10	GW2H14-R87-S10-D	28225435	GW1H14-R87-S8
				Sample Name			BRE-G-R87-S10					BRE-G-R87-S8	
				Date Sampled	10/09/2013	11/10/2014	09/27/2012	04/09/2014	10/10/2013	11/11/2014	11/11/2014	09/27/2012	04/09/2014
				Sample Purpose	DUP	FS	FS	FS	FS	FS	DUP	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		0.1 J	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0		<7.0			<7.0	
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UJ	<1.0
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1		<0.1			<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1			<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1			<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1		<0.1			<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10		<10			<10	
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0		<1.0			<1.0	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216B	MW-216B	R87-S10	R87-S10	R87-S10	R87-S10	R87-S10	R87-S8	R87-S8
				Field Sample ID	GW2H13-MW-216B-D	GW2H14-MW-216B	28225443	GW1H14-R87-S10	GW2H13-R87-S10	GW2H14-R87-S10	GW2H14-R87-S10-D	28225435	GW1H14-R87-S8
				Sample Name			BRE-G-R87-S10					BRE-G-R87-S8	
				Date Sampled	10/09/2013	11/10/2014	09/27/2012	04/09/2014	10/10/2013	11/11/2014	11/11/2014	09/27/2012	04/09/2014
				Sample Purpose	DUP	FS	FS	FS	FS	FS	DUP	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1		<0.1		<0.1		<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2		<0.2		<0.2		<0.2
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0		<2.0		<2.0		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1	0.2 J	0.1 J
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.012 J	0.046 J	<0.010	0.35	<0.010	<0.010	0.10	0.066
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2-Diphenylhydrazine	122-66-7	N	UG/L		0.7 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5
1,4-Dioxane	123-91-1	N	UG/L		2 J	1 J	<1	<1	2 J	<1	<1	2 J	<1
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	91-57-6	N	UG/L		<0.1	0.052	<0.1	<0.010	<0.1	<0.010	<0.011	<0.1	<0.010
Acenaphthene	83-32-9	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Acenaphthylene	208-96-8	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Anthracene	120-12-7	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Biphenyl	92-52-4	N	UG/L		580	1100	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5
Chrysene	218-01-9	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Dibenzofuran	132-64-9	N	UG/L		3	6	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Diphenyl Ether	101-84-8	N	UG/L		1900	3100	<0.5	<0.5	<0.5	<0.5	<0.6	9	2
Fluoranthene	206-44-0	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Fluorene	86-73-7	N	UG/L		0.023 J	0.029 J	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Naphthalene	91-20-3	N	UG/L		0.9	1.5	<0.1	<0.030	<0.1	<0.030	<0.034	<0.1	0.068
Phenanthrene	85-01-8	N	UG/L		<0.036	0.033 J	<0.030	<0.030	<0.032	<0.030	<0.034	<0.030	<0.031

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Analyte	CAS No.	Filtered	Units	Location ID	MW-216B	MW-216B	R87-S10	R87-S10	R87-S10	R87-S10	R87-S10	R87-S8	R87-S8
				Field Sample ID	GW2H13-MW-216B-D	GW2H14-MW-216B	28225443	GW1H14-R87-S10	GW2H13-R87-S10	GW2H14-R87-S10	GW2H14-R87-S10-D	28225435	GW1H14-R87-S8
				Sample Name			BRE-G-R87-S10					BRE-G-R87-S8	
				Date Sampled	10/09/2013	11/10/2014	09/27/2012	04/09/2014	10/10/2013	11/11/2014	11/11/2014	09/27/2012	04/09/2014
				Sample Purpose	DUP	FS	FS	FS	FS	FS	DUP	FS	FS
Phenol	108-95-2	N	UG/L		<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.5	<0.5
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
Pyrene	129-00-0	N	UG/L		<0.012	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<0.010
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000	<8000
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<0.340	<0.330	<0.330	<0.340	<0.340	<0.330	<0.330	<0.330	<0.340
Arsenic	7440-38-2	N	UG/L		<0.420	<0.820	<0.400	<0.780	<0.420	<0.820	<0.820	<0.400	<0.780
Barium	7440-39-3	N	UG/L		5.00 J	4.60 J	51.4	12.9	75.6	17.9	17.3	77	36.5
Beryllium	7440-41-7	N	UG/L		<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670
Cadmium	7440-43-9	N	UG/L		<0.230	<0.170	<0.0820	<0.230	<0.230	<0.170	<0.170	<0.0820	<0.230
Chromium	7440-47-3	N	UG/L		<1.60	<1.30	<1.10	<1.60	<1.60	<1.30	<1.30	<1.10	<1.60
Cobalt	7440-48-4	N	UG/L		<1.30	<1.00	<0.660	<1.30	<1.30	<1.00	<1.00	1.70 J	1.50 J
Copper	7440-50-8	N	UG/L		<2.70	<2.80	<2.10	<2.70	<2.70	<2.80	<2.80	<2.10	<2.70
Lead	7439-92-1	N	UG/L		<0.0850	<0.0820	0.0620 J	<0.0850	0.100 J	<0.0820	<0.0820	0.280 J	<0.0850
Mercury	7439-97-6	N	UG/L		<0.0600	<0.0600	<0.0700	<0.0600	<0.0600	<0.0600	<0.0600	<0.0700	<0.0600
Nickel	7440-02-0	N	UG/L		<1.50	<1.60	<1.10	<1.50	<1.50	<1.60	<1.60	<1.10	<1.50
Selenium	7782-49-2	N	UG/L		<8.40	<4.80	<7.50	<8.40	<8.40	<4.80	<4.80	<7.50	<8.40
Silver	7440-22-4	N	UG/L		<2.10	<1.80	<1.20	<2.10	<2.10	<1.80	<1.80	<1.20	<2.10
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Vanadium	7440-62-2	N	UG/L		<2.00	<1.90	<1.30	<2.00	<2.00	<1.90	<1.90	<1.30	<2.00
Zinc	7440-66-6	N	UG/L		<2.00	<2.00	<2.00	<2.00	6.20 J	<2.00	<2.00	3.50 J	<2.00

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S8	R87-S9	R87-S9	R87-S9	R87-S9	R87-S9
				Field Sample ID	GW2H13-R87-S8	GW2H14-R87-S8	28225438	28225440	GW1H14-R87-S9	GW2H13-R87-S9	GW2H14-R87-S9
				Sample Name			BRE-G-R87-S9	BRE-G-R87-S9-DUP			
				Date Sampled	10/10/2013	11/12/2014	09/27/2012	09/27/2012	04/10/2014	10/10/2013	11/12/2014
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0	<7.0		<7.0	
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1	<0.1		<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1	<0.1		<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1	<0.1		<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1	<0.1		<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000 UJ	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10	<10		<10	
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0	<1.0		<1.0	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S8	R87-S9	R87-S9	R87-S9	R87-S9	R87-S9	
				Field Sample ID	GW2H13-R87-S8	GW2H14-R87-S8	28225438	28225440	GW1H14-R87-S9	GW2H13-R87-S9	GW2H14-R87-S9	
				Sample Name			BRE-G-R87-S9	BRE-G-R87-S9-DUP				
				Date Sampled	10/10/2013	11/12/2014	09/27/2012	09/27/2012	04/10/2014	10/10/2013	11/12/2014	
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1	<0.1		<0.1		
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2	<0.2		<0.2		
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0	<2.0		<2.0		
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Toluene	108-88-3	N	UG/L		<0.1	<0.1	0.2 J	0.1 J	0.1 J	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		0.019 B	0.16	<0.010	<0.010	<0.010	<0.010	<0.010	
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>												
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,4-Dioxane	123-91-1	N	UG/L		<1	2 J	<1	<0.9	<1	<1	<1	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.1	<0.1	<0.09	<0.1	<0.1	<0.1	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.1	<0.011	<0.1	<0.09	<0.010	<0.1	<0.011	
Acenaphthene	83-32-9	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Acenaphthylene	208-96-8	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Anthracene	120-12-7	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chrysene	218-01-9	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000	
Diphenyl Ether	101-84-8	N	UG/L		5	5	<0.5	<0.5	<0.5	<0.5	<0.5	
Fluoranthene	206-44-0	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Fluorene	86-73-7	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011	
Naphthalene	91-20-3	N	UG/L		<0.1	<0.032	<0.1	<0.09	<0.031	<0.1	<0.033	
Phenanthrene	85-01-8	N	UG/L		<0.031	<0.032	<0.031	<0.028	<0.031	<0.033	<0.033	

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Analyte	CAS No.	Filtered	Units	Location ID	R87-S8	R87-S8	R87-S9	R87-S9	R87-S9	R87-S9	R87-S9
				Field Sample ID	GW2H13-R87-S8	GW2H14-R87-S8	28225438	28225440	GW1H14-R87-S9	GW2H13-R87-S9	GW2H14-R87-S9
				Sample Name			BRE-G-R87-S9	BRE-G-R87-S9-DUP			
				Date Sampled	10/10/2013	11/12/2014	09/27/2012	09/27/2012	04/10/2014	10/10/2013	11/12/2014
				Sample Purpose	FS	FS	FS	DUP	FS	FS	FS
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000 UJ	<8000	<8000	<8000	<8000
Pyrene	129-00-0	N	UG/L		<0.010	<0.011	<0.010	<0.0095	<0.010	<0.011	<0.011
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000 UJ	<8000	<8000	<8000	<8000
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.340	<0.330	<0.330	<0.330	<0.340	<0.340	<0.330
Arsenic	7440-38-2	N	UG/L		<0.420	<0.820	<0.400	<0.400	<0.780	<0.420	<0.820
Barium	7440-39-3	N	UG/L		39.2	59.7	46.5	45.9	36.7	39.7	45.2
Beryllium	7440-41-7	N	UG/L		<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670
Cadmium	7440-43-9	N	UG/L		<0.230	<0.170	<0.0820	<0.0820	<0.230	<0.230	<0.170
Chromium	7440-47-3	N	UG/L		<1.60	<1.30	<1.10	<1.10	<1.60	<1.60	<1.30
Cobalt	7440-48-4	N	UG/L		<1.30	<1.00	0.800 J	1.00 J	<1.30	<1.30	<1.00
Copper	7440-50-8	N	UG/L		5.60 J	<2.80	<2.10	<2.10	<2.70	<2.70	<2.80
Lead	7439-92-1	N	UG/L		<0.0850	<0.0820	0.170 J	0.130 J	0.170 J	0.380 J	0.620 J
Mercury	7439-97-6	N	UG/L		<0.0600	<0.0600	<0.0700	<0.0700	<0.0600	<0.0600	<0.0600
Nickel	7440-02-0	N	UG/L		<1.50	<1.60	<1.10	<1.10	<1.50	<1.50	<1.60
Selenium	7782-49-2	N	UG/L		<8.40	<4.80	8.00 J	<7.50	<8.40	<8.40	<4.80
Silver	7440-22-4	N	UG/L		<2.10	<1.80	<1.20	<1.20	<2.10	<2.10	<1.80
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Vanadium	7440-62-2	N	UG/L		<2.00	<1.90	<1.30	<1.30	<2.00	<2.00	<1.90
Zinc	7440-66-6	N	UG/L		5.00 J	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

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Analyte	CAS No.	Filtered	Units	Location ID	MW-104B	MW-105	MW-106B	MW-108	MW-111B	MW-112A	MW-112A
				Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	SSP14-GW-MW-106B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A	SSP14-GW-MW-112A-A
				Date Sampled	11/18/2014	11/18/2014	12/15/2014	12/16/2014	12/19/2014	02/10/2015	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.9	<0.1	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	0.1 J	0.9	<0.1	<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L								
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L								
1,4-Dichlorobenzene	106-46-7	N	UG/L								
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.6	<0.1	0.3 J	1	2.3	<0.1	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylene Glycol	107-21-1	N	UG/L			<8000	<8000				
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	

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Analyte	CAS No.	Filtered	Units	Location ID	MW-104B	MW-105	MW-106B	MW-108	MW-111B	MW-112A	MW-112A
				Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	SSP14-GW-MW-106B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A	SSP14-GW-MW-112A-A
				Date Sampled	11/18/2014	11/18/2014	12/15/2014	12/16/2014	12/19/2014	02/10/2015	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		0.2 J	<0.1	<0.1	1	4.3	<0.1	
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	79-01-6	N	UG/L		0.3 J	<0.1	<0.1	0.8	22	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	0.2 J	6.0	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		1.6	<0.010	0.042 J	0.15	<0.010	<0.010	
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L								
1,2,4-Trichlorobenzene	120-82-1	N	UG/L								
1,3,5-Trinitrobenzene	99-35-4	N	UG/L								
1,3-Dinitrobenzene	99-65-0	N	UG/L								
1,4-Dioxane	123-91-1	N	UG/L								
1,4-Naphthoquinone	130-15-4	N	UG/L								
1-Naphthylamine	134-32-7	N	UG/L								
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L								
2,4,5-Trichlorophenol	95-95-4	N	UG/L								
2,4,6-Trichlorophenol	88-06-2	N	UG/L								
2,4-Dichlorophenol	120-83-2	N	UG/L								
2,4-Dimethylphenol	105-67-9	N	UG/L								
2,4-Dinitrophenol	51-28-5	N	UG/L								
2,4-Dinitrotoluene	121-14-2	N	UG/L								
2,6-Dichlorophenol	87-65-0	N	UG/L								
2,6-Dinitrotoluene	606-20-2	N	UG/L								
2-Acetylaminofluorene	53-96-3	N	UG/L								
2-Chloronaphthalene	91-58-7	N	UG/L								
2-Chlorophenol	95-57-8	N	UG/L								
2-Methylnaphthalene	91-57-6	N	UG/L								
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L								
2-Naphthylamine	91-59-8	N	UG/L								
2-Nitroaniline	88-74-4	N	UG/L								
2-Nitrophenol	88-75-5	N	UG/L								

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				Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	SSP14-GW-MW-106B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A	SSP14-GW-MW-112A-A
				Date Sampled	11/18/2014	11/18/2014	12/15/2014	12/16/2014	12/19/2014	02/10/2015	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	N	UG/L								
3,3'-Dichlorobenzidine	91-94-1	N	UG/L								
3,3'-Dimethylbenzidine	119-93-7	N	UG/L								
3-Methylcholanthrene	56-49-5	N	UG/L								
3-Nitroaniline	99-09-2	N	UG/L								
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L								
4-Aminobiphenyl	92-67-1	N	UG/L								
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L								
4-Chloro-3-Methylphenol	59-50-7	N	UG/L								
4-Chloroaniline	106-47-8	N	UG/L								
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L								
4-Dimethylaminoazobenzene	60-11-7	N	UG/L								
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L								
4-Nitroaniline	100-01-6	N	UG/L								
4-Nitrophenol	100-02-7	N	UG/L								
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L								
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L								
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L								
Acenaphthene	83-32-9	N	UG/L								
Acenaphthylene	208-96-8	N	UG/L								
Acetophenone	98-86-2	N	UG/L								
Aniline	62-53-3	N	UG/L								
Anthracene	120-12-7	N	UG/L								
Benzo(A)Anthracene	56-55-3	N	UG/L								
Benzo(B)Fluoranthene	205-99-2	N	UG/L								
Benzo(G,H,I)Perylene	191-24-2	N	UG/L								
Benzo(K)Fluoranthene	207-08-9	N	UG/L								
Benzo[A]Pyrene	50-32-8	N	UG/L								
Benzyl Alcohol	100-51-6	N	UG/L								
Biphenyl	92-52-4	N	UG/L		<0.6	<0.6	<0.6				
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L								
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L								
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L								
Butyl Benzyl Phthalate	85-68-7	N	UG/L								
Chlorobenzilate	510-15-6	N	UG/L								
Chrysene	218-01-9	N	UG/L								
Diallate	2303-16-4	N	UG/L								
Dibenz(A,H)Anthracene	53-70-3	N	UG/L								
Dibenzofuran	132-64-9	N	UG/L								
Diethyl Phthalate	84-66-2	N	UG/L								
Diethylene Glycol	111-46-6	N	UG/L			<8000	<8000				
Dimethyl Phthalate	131-11-3	N	UG/L								
Di-N-Butyl Phthalate	84-74-2	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW-104B	MW-105	MW-106B	MW-108	MW-111B	MW-112A	MW-112A
				Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	SSP14-GW-MW-106B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A	SSP14-GW-MW-112A-A
				Date Sampled	11/18/2014	11/18/2014	12/15/2014	12/16/2014	12/19/2014	02/10/2015	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Diphenyl Ether	101-84-8	N	UG/L		<0.6	<0.6	<0.6				
Ethyl Methanesulfonate	62-50-0	N	UG/L								
Fluoranthene	206-44-0	N	UG/L								
Fluorene	86-73-7	N	UG/L								
Hexachlorobenzene	118-74-1	N	UG/L								
Hexachlorobutadiene	87-68-3	N	UG/L								
Hexachlorocyclopentadiene	77-47-4	N	UG/L								
Hexachloroethane	67-72-1	N	UG/L								
Hexachloropropylene	1888-71-7	N	UG/L								
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L								
Isodrin	465-73-6	N	UG/L								
Isophorone	78-59-1	N	UG/L								
Isosafrole	120-58-1	N	UG/L								
Methapyrilene	91-80-5	N	UG/L								
Methyl Methanesulfonate	66-27-3	N	UG/L								
Naphthalene	91-20-3	N	UG/L								
N-Dioctyl Phthalate	117-84-0	N	UG/L								
Nitrobenzene	98-95-3	N	UG/L								
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L								
N-Nitrosodiethylamine	55-18-5	N	UG/L								
N-Nitrosodimethylamine	62-75-9	N	UG/L								
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L								
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L								
N-Nitrosodiphenylamine	86-30-6	N	UG/L								
N-Nitrosomorpholine	59-89-2	N	UG/L								
N-Nitrosopiperidine	100-75-4	N	UG/L								
N-Nitrosopyrrolidine	930-55-2	N	UG/L								
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L								
O-Toluidine	95-53-4	N	UG/L								
para-Phenylenediamine	106-50-3	N	UG/L								
Pentachlorobenzene	608-93-5	N	UG/L								
Pentachloronitrobenzene	82-68-8	N	UG/L								
Pentachlorophenol	87-86-5	N	UG/L								
Phenacetin	62-44-2	N	UG/L								
Phenanthrene	85-01-8	N	UG/L								
Phenol	108-95-2	N	UG/L								
Propylene Glycol	57-55-6	N	ug/L			<8000.00	<8000.00				
Pyrene	129-00-0	N	UG/L								
Pyridine	110-86-1	N	UG/L								
Safrole	94-59-7	N	UG/L								
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L								
Thionazin	297-97-2	N	UG/L								
Triethylene Glycol	112-27-6	N	UG/L			<8000	<8000				

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Analyte	CAS No.	Filtered	Units	Location ID	MW-104B	MW-105	MW-106B	MW-108	MW-111B	MW-112A	MW-112A
				Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	SSP14-GW-MW-106B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A	SSP14-GW-MW-112A-A
				Date Sampled	11/18/2014	11/18/2014	12/15/2014	12/16/2014	12/19/2014	02/10/2015	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Dimethoate	60-51-5	N	UG/L								
Pronamide	23950-58-5	N	UG/L								
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	1.30000 J	
Barium	7440-39-3	N	ug/L		1.70000 J	8.30000 J	1.40000 J	13.00000	12.50000	83.90000	
Beryllium	7440-41-7	N	ug/L		<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	0.340000 J	<0.170000	<0.170000	
Chromium	7440-47-3	N	ug/L		<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	5.30000 J	
Cobalt	7440-48-4	N	ug/L		<1.00000	<1.00000	<1.00000	<1.00000	<1.00000	1.20000 J	
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	
Iron	7439-89-6	N	ug/L		191.0000 J	115.0000 J	<33.40000	<33.40000	918.0000	4150.000	
Lead	7439-92-1	N	ug/L		<0.0820000	<0.0820000	<0.0820000	0.300000 J	0.550000 J	3.20000	
Manganese	7439-96-5	N	ug/L		88.90000	53.00000	29.50000	4720.000	27.50000	159.0000	
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0500000	
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	
Thallium	7440-28-0	N	ug/L		<0.150000	<0.150000	<0.150000	0.180000 J	<0.150000	<0.150000	
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	5.90000 J	
Zinc	7440-66-6	N	ug/L		<2.00000	<2.00000	3.00000 J	<2.00000	4.80000 J	15.70000 J	
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L					770.000			
Ammonia	7664-41-7	N	ug/L					<200.000			
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A	MW-207B	MW-207B
				Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
				Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L						<0.5	<0.6	<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L						<0.5	<0.6	<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L						<0.5	<0.6	<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	1.8	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L								
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A	MW-207B	MW-207B
				Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
				Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	1.7	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	20	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L						<0.5	<0.6	<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L						<0.5	<0.6	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L						<5	<6	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L						<2	<2	<2
1,4-Dioxane	123-91-1	N	UG/L						<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L						<25 R	<28 R	<25 R
1-Naphthylamine	134-32-7	N	UG/L						<5	<6	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L						<0.5	<0.6	<0.5
2,4,5-Trichlorophenol	95-95-4	N	UG/L						<0.5	<0.6	<0.5
2,4,6-Trichlorophenol	88-06-2	N	UG/L						<0.5	<0.6	<0.5
2,4-Dichlorophenol	120-83-2	N	UG/L						<0.5	<0.6	<0.5
2,4-Dimethylphenol	105-67-9	N	UG/L						<0.5	<0.6	<0.5
2,4-Dinitrophenol	51-28-5	N	UG/L						<10	<11	<10
2,4-Dinitrotoluene	121-14-2	N	UG/L						<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L						<0.5	<0.6	<0.5
2,6-Dinitrotoluene	606-20-2	N	UG/L						<0.5	<0.6	<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L						<2	<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L						<0.4	<0.4	<0.4
2-Chlorophenol	95-57-8	N	UG/L						<0.5	<0.6	<0.5
2-Methylnaphthalene	91-57-6	N	UG/L						<0.010	<0.011	<0.010
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L						<0.5	<0.6	<0.5
2-Naphthylamine	91-59-8	N	UG/L						<5	<6	<5
2-Nitroaniline	88-74-4	N	UG/L						<0.5	<0.6	<0.5
2-Nitrophenol	88-75-5	N	UG/L						<0.5	<0.6	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A	MW-207B	MW-207B
				Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
				Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
2-Picoline	109-06-8	N	UG/L						<2	<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L						<2	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L						<25	<28	<25
3-Methylcholanthrene	56-49-5	N	UG/L						<0.5	<0.6	<0.5
3-Nitroaniline	99-09-2	N	UG/L						<0.5	<0.6	<0.5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L						<5	<6	<5
4-Aminobiphenyl	92-67-1	N	UG/L						<0.5	<0.6	<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L						<0.5	<0.6	<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L						<0.5	<0.6	<0.5
4-Chloroaniline	106-47-8	N	UG/L						<0.5	<0.6	<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L						<0.5	<0.6	<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L						<0.5	<0.6	<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L						<0.5	<0.6	<0.5
4-Nitroaniline	100-01-6	N	UG/L						<0.5	<0.6	<0.5
4-Nitrophenol	100-02-7	N	UG/L						<10	<11	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L						<20	<22	<20
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L						<0.5	<0.6	<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L						<0.5	<0.6	<0.5
Acenaphthene	83-32-9	N	UG/L						<0.010	<0.011	<0.010
Acenaphthylene	208-96-8	N	UG/L						<0.010	<0.011	<0.010
Acetophenone	98-86-2	N	UG/L						<0.5	<0.6	<0.5
Aniline	62-53-3	N	UG/L						<0.5	<0.6	<0.5
Anthracene	120-12-7	N	UG/L						<0.010	<0.011	<0.010
Benzo(A)Anthracene	56-55-3	N	UG/L						<0.010	<0.011	<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L						<0.010	<0.011	<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L						<0.010	<0.011	<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L						<0.010	<0.011	<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L						<0.010	<0.011	<0.010
Benzyl Alcohol	100-51-6	N	UG/L						<10	<11	<10
Biphenyl	92-52-4	N	UG/L			<0.5	<0.5		<0.5	<0.6	<0.5
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L						<0.5	<0.6	<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L						<0.5	<0.6	<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L						<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L						<2	<2	<2
Chlorobenzilate	510-15-6	N	UG/L						<3	<3	<3
Chrysene	218-01-9	N	UG/L						<0.010	<0.011	<0.010
Diallate	2303-16-4	N	UG/L						<1	<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L						<0.010	<0.011	<0.010
Dibenzofuran	132-64-9	N	UG/L						<0.5	<0.6	<0.5
Diethyl Phthalate	84-66-2	N	UG/L						<2	<2	<2
Diethylene Glycol	111-46-6	N	UG/L								
Dimethyl Phthalate	131-11-3	N	UG/L						<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L						<2	<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A	MW-207B	MW-207B
				Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
				Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
Diphenyl Ether	101-84-8	N	UG/L			3	<0.5		<0.5	<0.6	<0.5
Ethyl Methanesulfonate	62-50-0	N	UG/L						<0.5	<0.6	<0.5
Fluoranthene	206-44-0	N	UG/L						<0.010	0.014 J	<0.010
Fluorene	86-73-7	N	UG/L						<0.010	<0.011	<0.010
Hexachlorobenzene	118-74-1	N	UG/L						<0.1	<0.1	<0.1
Hexachlorobutadiene	87-68-3	N	UG/L						<0.5	<0.6	<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L						<5	<6	<5
Hexachloroethane	67-72-1	N	UG/L						<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L						<2	<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L						<0.010	<0.011	<0.010
Isodrin	465-73-6	N	UG/L						<0.5	<0.6	<0.5
Isophorone	78-59-1	N	UG/L						<0.5	<0.6	<0.5
Isosafrole	120-58-1	N	UG/L						<2	<2	<2
Methapyrilene	91-80-5	N	UG/L						<15	<17	<15
Methyl Methanesulfonate	66-27-3	N	UG/L						<1	<1	<1
Naphthalene	91-20-3	N	UG/L						<0.030	<0.033	<0.030
N-Dioctyl Phthalate	117-84-0	N	UG/L						<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L						<0.5	<0.6	<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L						<2	<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L						<0.5	<0.6	<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L						<2	<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L						<2	<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L						<0.5	<0.6	<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L						<0.5	<0.6	<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L						<2	<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L						<0.5	<0.6	<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L						<0.5	<0.6	<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L						<2	<2	<2
O-Toluidine	95-53-4	N	UG/L						<0.5	<0.6	<0.5
para-Phenylenediamine	106-50-3	N	UG/L						<76	<84	<76
Pentachlorobenzene	608-93-5	N	UG/L						<0.5	<0.6	<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L						<2	<2	<2
Pentachlorophenol	87-86-5	N	UG/L						<1	<1	<1
Phenacetin	62-44-2	N	UG/L						<0.5	<0.6	<0.5
Phenanthrene	85-01-8	N	UG/L						<0.030	<0.033	<0.030
Phenol	108-95-2	N	UG/L						<0.5	<0.6	<0.5
Propylene Glycol	57-55-6	N	ug/L								
Pyrene	129-00-0	N	UG/L						<0.010	<0.011	<0.010
Pyridine	110-86-1	N	UG/L						<2	<2	<2
Safrole	94-59-7	N	UG/L						<2	<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L						<1	<1	<1
Thionazin	297-97-2	N	UG/L						<2	<2	<2
Triethylene Glycol	112-27-6	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A	MW-207B	MW-207B
				Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
				Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
Dimethoate	60-51-5	N	UG/L						<3	<3	<3
Pronamide	23950-58-5	N	UG/L						<0.5	<0.6	<0.5
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000
Barium	7440-39-3	N	ug/L		5.80000 J	5.20000 B	0.390000 B	0.810000 J	21.40000	18.10000	17.30000
Beryllium	7440-41-7	N	ug/L		<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	<0.170000
Chromium	7440-47-3	N	ug/L		<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	<1.30000
Cobalt	7440-48-4	N	ug/L		<1.00000	<1.00000	<1.00000	<1.00000	<1.00000	<1.00000	<1.00000
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000
Iron	7439-89-6	N	ug/L		52.60000 J	12500.00	<33.40000	<33.40000	<33.40000	<33.40000	<33.40000
Lead	7439-92-1	N	ug/L		0.560000 J	<0.0820000	<0.0820000	<0.0820000	<0.0820000	<0.0820000	<0.0820000
Manganese	7439-96-5	N	ug/L		5.40000 J	1460.000	1.80000 J	17.30000	20.40000	30.90000	29.00000
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000
Thallium	7440-28-0	N	ug/L		<0.150000	<0.150000	<0.150000	<0.150000	<0.150000	<0.150000	<0.150000
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000
Zinc	7440-66-6	N	ug/L		<2.00000	<2.00000	<2.00000	<2.00000	<2.00000	2.10000 J	<2.00000
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L						<250.000	<250.000	<250.000
Ammonia	7664-41-7	N	ug/L						<200.000	<200.000	<200.000
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L						<0.5	<0.6	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW-209A	MW-209B	MW-210A	MW-210B	MW-211A	MW-211B	MW-211C
				Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C
				Date Sampled	12/15/2014	12/15/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/19/2014
				Sample Purpose	FS	FS	fs	fs	FS	FS	fs
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	0.2 J	0.9	0.8	1.4	4.3
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	0.9	0.2 J	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	4.7	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L								
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-209A	MW-209B	MW-210A	MW-210B	MW-211A	MW-211B	MW-211C
				Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C
				Date Sampled	12/15/2014	12/15/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/19/2014
				Sample Purpose	FS	FS	fs	fs	FS	FS	fs
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.2 J
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	1.6	0.1 J	<0.1	0.2 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	1.6	9.0	26
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	0.020 J	1.6	0.33	0.041 J	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	6.8	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<5			
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2			
1,4-Dioxane	123-91-1	N	UG/L		<1	3 J	<1	2 J			
1,4-Naphthoquinone	130-15-4	N	UG/L		<26 R	<26 R	<26 R	<25 R			
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<5			
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,4-Dinitrophenol	51-28-5	N	UG/L		<10	<10	<11	<10			
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1			
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2			
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4	<0.4	<0.4	<0.4			
2-Chlorophenol	95-57-8	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2-Methylnaphthalene	91-57-6	N	UG/L		0.011 J	0.011 J	<0.011	<0.010			
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<5			
2-Nitroaniline	88-74-4	N	UG/L		<0.5	<0.5	<0.5	<0.5			
2-Nitrophenol	88-75-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-209A	MW-209B	MW-210A	MW-210B	MW-211A	MW-211B	MW-211C
				Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C
				Date Sampled	12/15/2014	12/15/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/19/2014
				Sample Purpose	FS	FS	fs	fs	FS	FS	fs
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2			
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2			
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<26	<26	<26	<25			
3-Methylcholanthrene	56-49-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			
3-Nitroaniline	99-09-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5			
4-Aminobiphenyl	92-67-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Chloroaniline	106-47-8	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Nitroaniline	100-01-6	N	UG/L		<0.5	<0.5	<0.5	<0.5			
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<11	<10			
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<21	<21	<21	<20			
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.5	<0.5	<0.5	<0.5			
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Acenaphthene	83-32-9	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Acenaphthylene	208-96-8	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Acetophenone	98-86-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Aniline	62-53-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Anthracene	120-12-7	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Benzyl Alcohol	100-51-6	N	UG/L		<10	<10	<11	<10			
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5		0.6 J			
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2			
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2			
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3			
Chrysene	218-01-9	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1			
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2			
Diethylene Glycol	111-46-6	N	UG/L								
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2			
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-209A	MW-209B	MW-210A	MW-210B	MW-211A	MW-211B	MW-211C
				Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C
				Date Sampled	12/15/2014	12/15/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/19/2014
				Sample Purpose	FS	FS	fs	fs	FS	FS	fs
Diphenyl Ether	101-84-8	N	UG/L		2	<0.5		43			
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Fluoranthene	206-44-0	N	UG/L		<0.010	<0.010	<0.011	0.026 J			
Fluorene	86-73-7	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Hexachlorobenzene	118-74-1	N	UG/L		<0.1	<0.1	<0.1	<0.1			
Hexachlorobutadiene	87-68-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5			
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1			
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2			
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010	<0.010	<0.011	<0.010			
Isodrin	465-73-6	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Isophorone	78-59-1	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Isosafrole	120-58-1	N	UG/L		<2	<2	<2	<2			
Methapyrilene	91-80-5	N	UG/L		<15	<16	<16	<15			
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1			
Naphthalene	91-20-3	N	UG/L		0.054 J	0.056 J	<0.032	<0.030			
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2			
Nitrobenzene	98-95-3	N	UG/L		<0.5	<0.5	<0.5	<0.5			
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2			
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2			
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2			
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.5	<0.5	<0.5	<0.5			
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.5	<0.5	<0.5	<0.5			
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2			
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.5	<0.5	<0.5	<0.5			
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2			
O-Toluidine	95-53-4	N	UG/L		<0.5	<0.5	<0.5	<0.5			
para-Phenylenediamine	106-50-3	N	UG/L		<77	<78	<79	<76			
Pentachlorobenzene	608-93-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2			
Pentachlorophenol	87-86-5	N	UG/L		<1	<1	<1	<1			
Phenacetin	62-44-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Phenanthrene	85-01-8	N	UG/L		<0.031	<0.031	<0.032	<0.030			
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5	<0.5			
Propylene Glycol	57-55-6	N	ug/L								
Pyrene	129-00-0	N	UG/L		<0.010	<0.010	<0.011	0.017 J			
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2			
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2			
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1			
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2			
Triethylene Glycol	112-27-6	N	UG/L								

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Analyte	CAS No.	Filtered	Units	Location ID	MW-209A	MW-209B	MW-210A	MW-210B	MW-211A	MW-211B	MW-211C
				Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C
				Date Sampled	12/15/2014	12/15/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/19/2014
				Sample Purpose	FS	FS	fs	fs	FS	FS	fs
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3			
Pronamide	23950-58-5	N	UG/L		<0.5	<0.5	<0.5	<0.5			
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		<0.820000	<0.820000	<0.820000	<0.820000	0.990000 J	2.70000 J	<0.820000
Barium	7440-39-3	N	ug/L		37.50000	14.30000	17.30000	1.20000 J	26.00000	91.30000	66.60000
Beryllium	7440-41-7	N	ug/L		<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	1.60000 J	2.10000 J
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	0.320000 J	0.230000 J
Chromium	7440-47-3	N	ug/L		<1.30000	<1.30000	<1.30000	<1.30000	1.40000 J	1.70000 J	<1.30000
Cobalt	7440-48-4	N	ug/L		3.30000 J	1.40000 J	<1.00000	<1.00000	<1.00000	<1.00000	<1.00000
Copper	7440-50-8	N	ug/L		3.10000 J	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000
Iron	7439-89-6	N	ug/L		11400.00	195.0000 J	3430.000	74.90000 J	2840.000	<33.40000	167.0000 J
Lead	7439-92-1	N	ug/L		0.270000 J	0.230000 J	<0.0820000	<0.0820000	0.780000 J	0.150000 J	0.540000 J
Manganese	7439-96-5	N	ug/L		594.0000	14.10000	96.90000	79.20000	1400.000	8240.000	394.0000
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000
Thallium	7440-28-0	N	ug/L		<0.150000	<0.150000	<0.150000	<0.150000	0.190000 J	0.180000 J	0.290000 J
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000
Zinc	7440-66-6	N	ug/L		<2.00000	<2.00000	<2.00000	<2.00000	<2.00000	<2.00000	3.50000 J
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L				<250.000	<250.000	<250.000	1200.00	2800.00
Ammonia	7664-41-7	N	ug/L				<200.000	<200.000	<200.000	<200.000	<200.000
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.5	<0.5	<0.5	<0.5			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-212A	MW-212B	MW-212B	MW-214	MW-215	MW-219A	MW-219B
				Field Sample ID	SSP14-GW-MW-212A	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	SSP14-GW-MW-214	SSP14-GW-MW-215	SSP14-GW-MW-219A	SSP14-GW-MW-219B
				Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/15/2014	11/14/2014	11/13/2014	12/13/2014
				Sample Purpose	FS	FS	DUP	FS	fs	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.4
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	0.2 J	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		7.9	23	20	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
1,2-Dichloroethane	107-06-2	N	UG/L		0.3 J	0.8	0.8	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		0.2 J	0.6	0.6	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.6	<0.5		<0.5	<0.6		
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	0.3 J	0.2 J	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.3 J	0.3 J	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.3 J	1.2	1.2	0.4 J	<0.1	<0.1	0.5
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		0.6	0.8	0.9	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	0.5	0.4 J	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L					<8000	<8000		
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-212A	MW-212B	MW-212B	MW-214	MW-215	MW-219A	MW-219B
				Field Sample ID	SSP14-GW-MW-212A	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	SSP14-GW-MW-214	SSP14-GW-MW-215	SSP14-GW-MW-219A	SSP14-GW-MW-219B
				Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/15/2014	11/14/2014	11/13/2014	12/13/2014
				Sample Purpose	FS	FS	DUP	FS	fs	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		0.2 J	0.6	0.6	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.1 J	0.3 J	0.3 J	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		0.3 J	1.1	1.1	<0.1	<0.1	<0.1	0.4 J
Trichlorofluoromethane	75-69-4	N	UG/L		37	96	95	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.080	0.19	0.19	0.52	0.33	<0.010	0.031 J
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<6	<5		<5	<6		
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2		<2	<2		
1,4-Dioxane	123-91-1	N	UG/L		2 J	5		13	2 J		
1,4-Naphthoquinone	130-15-4	N	UG/L		<28	<25		<25 R	<29		
1-Naphthylamine	134-32-7	N	UG/L		<6	<5		<5	<6		
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,4-Dinitrophenol	51-28-5	N	UG/L		<11	<10		<10 R	<12 R		
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1		<1	<1		
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.6	<0.5		<0.5	<0.6		
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2		<2	<2		
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4	<0.4		<0.4	<0.5		
2-Chlorophenol	95-57-8	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2-Methylnaphthalene	91-57-6	N	UG/L		<0.011	0.046 J		<0.010	<0.012		
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
2-Naphthylamine	91-59-8	N	UG/L		<6	<5		<5	<6		
2-Nitroaniline	88-74-4	N	UG/L		<0.6	<0.5		<0.5	<0.6		
2-Nitrophenol	88-75-5	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		

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Analyte	CAS No.	Filtered	Units	Location ID	MW-212A	MW-212B	MW-212B	MW-214	MW-215	MW-219A	MW-219B
				Field Sample ID	SSP14-GW-MW-212A	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	SSP14-GW-MW-214	SSP14-GW-MW-215	SSP14-GW-MW-219A	SSP14-GW-MW-219B
				Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/15/2014	11/14/2014	11/13/2014	12/13/2014
				Sample Purpose	FS	FS	DUP	FS	fs	FS	FS
2-Picoline	109-06-8	N	UG/L		<2	<2		<2	<2		
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2		<2	<2		
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<28	<25		<25	<29		
3-Methylcholanthrene	56-49-5	N	UG/L		<0.6	<0.5		<0.5	<0.6		
3-Nitroaniline	99-09-2	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<6	<5		<5 R	<6 R		
4-Aminobiphenyl	92-67-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
4-Chloroaniline	106-47-8	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.6	<0.5		<0.5 R	<0.6 R		
4-Nitroaniline	100-01-6	N	UG/L		<0.6	<0.5		<0.5	<0.6		
4-Nitrophenol	100-02-7	N	UG/L		<11	<10		<10 R	<12 R		
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<22	<20		<20	<23		
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.6	<0.5		<0.5	<0.6		
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Acenaphthene	83-32-9	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Acenaphthylene	208-96-8	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Acetophenone	98-86-2	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Aniline	62-53-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Anthracene	120-12-7	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Benzyl Alcohol	100-51-6	N	UG/L		<11	<10		<10 R	<12 R		
Biphenyl	92-52-4	N	UG/L		<0.6	2		<0.5	<0.6	<0.5	<0.6
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2		<2	<2		
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2		<2	<2		
Chlorobenzilate	510-15-6	N	UG/L		<3	<3		<3	<4		
Chrysene	218-01-9	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Diallate	2303-16-4	N	UG/L		<1	<1		<1	<1		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Dibenzofuran	132-64-9	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2		<2	<2		
Diethylene Glycol	111-46-6	N	UG/L					<8000	<8000		
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2		<2	<2		
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2		<2	<2		

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Analyte	CAS No.	Filtered	Units	Location ID	MW-212A	MW-212B	MW-212B	MW-214	MW-215	MW-219A	MW-219B
				Field Sample ID	SSP14-GW-MW-212A	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	SSP14-GW-MW-214	SSP14-GW-MW-215	SSP14-GW-MW-219A	SSP14-GW-MW-219B
				Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/15/2014	11/14/2014	11/13/2014	12/13/2014
				Sample Purpose	FS	FS	DUP	FS	fs	FS	FS
Diphenyl Ether	101-84-8	N	UG/L		0.9 J	7		4	85	<0.5	<0.6
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Fluoranthene	206-44-0	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Fluorene	86-73-7	N	UG/L		0.013 J	0.041 J		<0.010	<0.012		
Hexachlorobenzene	118-74-1	N	UG/L		<0.1	<0.1		<0.1	<0.1		
Hexachlorobutadiene	87-68-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<6	<5		<5	<6		
Hexachloroethane	67-72-1	N	UG/L		<1	<1		<1	<1		
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2		<2	<2		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.011	<0.010		<0.010	<0.012		
Isodrin	465-73-6	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Isophorone	78-59-1	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Isosafrole	120-58-1	N	UG/L		<2	<2		<2	<2		
Methapyrilene	91-80-5	N	UG/L		<17	<15		<15	<18		
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1		<1	<1		
Naphthalene	91-20-3	N	UG/L		0.084	0.46		0.10	<0.035		
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2		<2	<2		
Nitrobenzene	98-95-3	N	UG/L		<0.6	<0.5		<0.5	<0.6		
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2		<2	<2		
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.6	<0.5		<0.5	<0.6		
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2		<2	<2		
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2		<2	<2		
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.6	<0.5		<0.5	<0.6		
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.6	<0.5		<0.5	<0.6		
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2		<2	<2		
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.6	<0.5		<0.5	<0.6		
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.6	<0.5		<0.5	<0.6		
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2		<2	<2		
O-Toluidine	95-53-4	N	UG/L		<0.6	<0.5		<0.5	<0.6		
para-Phenylenediamine	106-50-3	N	UG/L		<84	<76		<76	<88		
Pentachlorobenzene	608-93-5	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2		<2	<2		
Pentachlorophenol	87-86-5	N	UG/L		<1	<1		<1 R	<1 R		
Phenacetin	62-44-2	N	UG/L		<0.6	<0.5		<0.5	<0.6		
Phenanthrene	85-01-8	N	UG/L		<0.033	<0.030		<0.030	<0.035		
Phenol	108-95-2	N	UG/L		<0.6	<0.5		<0.5 R	0.9 J		
Propylene Glycol	57-55-6	N	ug/L					<8000.00	<8000.00		
Pyrene	129-00-0	N	UG/L		0.018 J	0.012 J		<0.010	<0.012		
Pyridine	110-86-1	N	UG/L		<2	<2		<2	<2		
Safrole	94-59-7	N	UG/L		<2	<2		<2	<2		
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1		<1	<1		
Thionazin	297-97-2	N	UG/L		<2	<2		<2	<2		
Triethylene Glycol	112-27-6	N	UG/L					<8000	<8000		

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Analyte	CAS No.	Filtered	Units	Location ID	MW-212A	MW-212B	MW-212B	MW-214	MW-215	MW-219A	MW-219B
				Field Sample ID	SSP14-GW-MW-212A	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	SSP14-GW-MW-214	SSP14-GW-MW-215	SSP14-GW-MW-219A	SSP14-GW-MW-219B
				Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/15/2014	11/14/2014	11/13/2014	12/13/2014
				Sample Purpose	FS	FS	DUP	FS	fs	FS	FS
Dimethoate	60-51-5	N	UG/L		<3	<3		<3	<4		
Pronamide	23950-58-5	N	UG/L		<0.6	<0.5		<0.5	<0.6		
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		0.40000 J	<0.330000		<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		2.30000 J	<0.820000		1.50000 J	<0.820000	<0.820000	<0.820000
Barium	7440-39-3	N	ug/L		7.10000 J	4.40000 J		20.60000	2.40000 J	18.60000	0.750000 J
Beryllium	7440-41-7	N	ug/L		0.750000 J	1.20000 J		<0.670000	1.90000 J	<0.670000	0.690000 J
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000		1.80000	<0.170000	<0.170000	<0.170000
Chromium	7440-47-3	N	ug/L		2.40000 J	1.60000 J		<1.30000	2.30000 J	<1.30000	<1.30000
Cobalt	7440-48-4	N	ug/L		2.20000 J	<1.00000		12.10000	26.30000	<1.00000	<1.00000
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000		<2.80000	<2.80000	<2.80000	<2.80000
Iron	7439-89-6	N	ug/L		36800.00	722.0000		55600.00	10600.00	<33.40000	110.0000 J
Lead	7439-92-1	N	ug/L		0.150000 J	0.460000 J		1.90000 J	<0.0820000	<0.0820000	0.150000 J
Manganese	7439-96-5	N	ug/L		7370.000	801.0000		1450.000	7360.000	9.80000 J	4.50000 J
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000		<0.0600000	<0.0600000 UJ	<0.0600000 UJ	<0.0600000 UJ
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000		<1.60000	<1.60000	<1.60000	<1.60000
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000		5.50000 J	<4.80000	<4.80000	<4.80000
Silver	7440-22-4	N	ug/L		2.20000 J	<1.80000		<1.80000	<1.80000	<1.80000	<1.80000
Thallium	7440-28-0	N	ug/L		<0.150000	<0.150000		<0.150000	<0.150000	<0.150000	<0.150000
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000		<2.40000	<2.40000	<2.40000	<2.40000
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000		<1.90000	<1.90000	<1.90000	<1.90000
Zinc	7440-66-6	N	ug/L		10.00000 J	5.30000 J		360.0000	15.30000 B	3.50000 B	7.70000 B
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L								
Ammonia	7664-41-7	N	ug/L								
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.6	<0.5		<0.5	<0.6		

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Analyte	CAS No.	Filtered	Units	Location ID	MW-221B	MW-222A	MW-222B	MW-225A	MW-225B	MW-300	MW-301A
				Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A
				Date Sampled	12/18/2014	12/18/2014	12/18/2014	12/16/2014	12/16/2014	12/17/2014	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	0.2 J	<0.1	0.2 J	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	0.9	<0.1	<0.1	0.3 J	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	1.3	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L							<0.5	<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	1.3	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L							<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L							<0.5	<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<400
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<40
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.2 J	110	0.5	3.0	5.0	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L							<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-221B	MW-222A	MW-222B	MW-225A	MW-225B	MW-300	MW-301A
				Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A
				Date Sampled	12/18/2014	12/18/2014	12/18/2014	12/16/2014	12/16/2014	12/17/2014	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.1 J	<0.1	<0.1	0.3 J	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	2.4	<0.1	0.4 J	0.7	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	1.5	0.1 J	0.8	1.9	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	3.7	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.11	120	0.12	<0.010	0.015 J	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L							<0.5	<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L							<0.5	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L							<5	<5
1,3-Dinitrobenzene	99-65-0	N	UG/L							<2	<2
1,4-Dioxane	123-91-1	N	UG/L							<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L							<25 R	<26 R
1-Naphthylamine	134-32-7	N	UG/L							<5	<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L							<0.5	<0.5
2,4,5-Trichlorophenol	95-95-4	N	UG/L							<0.5	<0.5
2,4,6-Trichlorophenol	88-06-2	N	UG/L							<0.5	<0.5
2,4-Dichlorophenol	120-83-2	N	UG/L							<0.5	<0.5
2,4-Dimethylphenol	105-67-9	N	UG/L							<0.5	<0.5
2,4-Dinitrophenol	51-28-5	N	UG/L							<10	<10
2,4-Dinitrotoluene	121-14-2	N	UG/L							<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L							<0.5	<0.5
2,6-Dinitrotoluene	606-20-2	N	UG/L							<0.5	<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L							<2	<2
2-Chloronaphthalene	91-58-7	N	UG/L							<0.4	<0.4
2-Chlorophenol	95-57-8	N	UG/L							<0.5	<0.5
2-Methylnaphthalene	91-57-6	N	UG/L							<0.010	<0.010
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L							<0.5	<0.5
2-Naphthylamine	91-59-8	N	UG/L							<5	<5
2-Nitroaniline	88-74-4	N	UG/L							<0.5	<0.5
2-Nitrophenol	88-75-5	N	UG/L							<0.5	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW-221B	MW-222A	MW-222B	MW-225A	MW-225B	MW-300	MW-301A
				Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A
				Date Sampled	12/18/2014	12/18/2014	12/18/2014	12/16/2014	12/16/2014	12/17/2014	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Picoline	109-06-8	N	UG/L							<2	<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L							<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L							<25	<26
3-Methylcholanthrene	56-49-5	N	UG/L							<0.5	<0.5
3-Nitroaniline	99-09-2	N	UG/L							<0.5	<0.5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L							<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L							<0.5	<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L							<0.5	<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L							<0.5	<0.5
4-Chloroaniline	106-47-8	N	UG/L							<0.5	<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L							<0.5	<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L							<0.5	<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L							<0.5	<0.5
4-Nitroaniline	100-01-6	N	UG/L							<0.5	<0.5
4-Nitrophenol	100-02-7	N	UG/L							<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L							<20	<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L							<0.5	<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L							<0.5	<0.5
Acenaphthene	83-32-9	N	UG/L							<0.010	<0.010
Acenaphthylene	208-96-8	N	UG/L							<0.010	<0.010
Acetophenone	98-86-2	N	UG/L							<0.5	<0.5
Aniline	62-53-3	N	UG/L							<0.5	<0.5
Anthracene	120-12-7	N	UG/L							<0.010	<0.010
Benzo(A)Anthracene	56-55-3	N	UG/L							<0.010	<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L							<0.010	<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L							<0.010	<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L							<0.010	<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L							<0.010	<0.010
Benzyl Alcohol	100-51-6	N	UG/L							<10	<10
Biphenyl	92-52-4	N	UG/L		<0.6	<0.6	<0.6	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L							<0.5	<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L							<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L							<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L							<2	<2
Chlorobenzilate	510-15-6	N	UG/L							<3	<3
Chrysene	218-01-9	N	UG/L							<0.010	<0.010
Diallate	2303-16-4	N	UG/L							<1	<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L							<0.010	<0.010
Dibenzofuran	132-64-9	N	UG/L							<0.5	<0.5
Diethyl Phthalate	84-66-2	N	UG/L							<2	<2
Diethylene Glycol	111-46-6	N	UG/L							<8000	<8000
Dimethyl Phthalate	131-11-3	N	UG/L							<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L							<2	<2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-221B	MW-222A	MW-222B	MW-225A	MW-225B	MW-300	MW-301A
				Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A
				Date Sampled	12/18/2014	12/18/2014	12/18/2014	12/16/2014	12/16/2014	12/17/2014	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Diphenyl Ether	101-84-8	N	UG/L		<0.6	0.8 J	<0.6	<0.5	<0.5	<0.5	<0.5
Ethyl Methanesulfonate	62-50-0	N	UG/L							<0.5	<0.5
Fluoranthene	206-44-0	N	UG/L							<0.010	<0.010
Fluorene	86-73-7	N	UG/L							<0.010	<0.010
Hexachlorobenzene	118-74-1	N	UG/L							<0.1	<0.1
Hexachlorobutadiene	87-68-3	N	UG/L							<0.5	<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L							<5	<5
Hexachloroethane	67-72-1	N	UG/L							<1	<1
Hexachloropropylene	1888-71-7	N	UG/L							<2	<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L							<0.010	<0.010
Isodrin	465-73-6	N	UG/L							<0.5	<0.5
Isophorone	78-59-1	N	UG/L							<0.5	<0.5
Isosafrole	120-58-1	N	UG/L							<2	<2
Methapyrilene	91-80-5	N	UG/L							<15	<16
Methyl Methanesulfonate	66-27-3	N	UG/L							<1	<1
Naphthalene	91-20-3	N	UG/L							<0.030	<0.031
N-Dioctyl Phthalate	117-84-0	N	UG/L							<2	<2
Nitrobenzene	98-95-3	N	UG/L							<0.5	<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L							<2	<2
N-Nitrosodiethylamine	55-18-5	N	UG/L							<0.5	<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L							<2	<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L							<2	<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L							<0.5	<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L							<0.5	<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L							<2	<2
N-Nitrosopiperidine	100-75-4	N	UG/L							<0.5	<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L							<0.5	<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L							<2	<2
O-Toluidine	95-53-4	N	UG/L							<0.5	<0.5
para-Phenylenediamine	106-50-3	N	UG/L							<76	<78
Pentachlorobenzene	608-93-5	N	UG/L							<0.5	<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L							<2	<2
Pentachlorophenol	87-86-5	N	UG/L							<1	<1
Phenacetin	62-44-2	N	UG/L							<0.5	<0.5
Phenanthrene	85-01-8	N	UG/L							<0.030	<0.031
Phenol	108-95-2	N	UG/L							<0.5	<0.5
Propylene Glycol	57-55-6	N	ug/L							<8000.00	<8000.00
Pyrene	129-00-0	N	UG/L							<0.010	<0.010
Pyridine	110-86-1	N	UG/L							<2	<2
Safrole	94-59-7	N	UG/L							<2	<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L							<1	<1
Thionazin	297-97-2	N	UG/L							<2	<2
Triethylene Glycol	112-27-6	N	UG/L							<8000	<8000

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Analyte	CAS No.	Filtered	Units	Location ID	MW-221B	MW-222A	MW-222B	MW-225A	MW-225B	MW-300	MW-301A
				Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A
				Date Sampled	12/18/2014	12/18/2014	12/18/2014	12/16/2014	12/16/2014	12/17/2014	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Dimethoate	60-51-5	N	UG/L							<3	<3
Pronamide	23950-58-5	N	UG/L							<0.5	<0.5
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000
Barium	7440-39-3	N	ug/L		1.20000 J	20.70000	1.20000 J	28.20000	3.30000 B	49.20000	12.70000
Beryllium	7440-41-7	N	ug/L		<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	<0.170000
Chromium	7440-47-3	N	ug/L		<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	<1.30000
Cobalt	7440-48-4	N	ug/L		<1.00000	4.10000 J	<1.00000	<1.00000	<1.00000	<1.00000	<1.00000
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000	<2.80000	3.00000 J	<2.80000	<2.80000	<2.80000
Iron	7439-89-6	N	ug/L		1320.000	14200.00	398.0000 J	309.0000 J	963.0000	2560.000	2150.000
Lead	7439-92-1	N	ug/L		0.170000 J	<0.0820000	0.130000 J	2.50000	<0.0820000	0.460000 J	0.180000 J
Manganese	7439-96-5	N	ug/L		132.0000	719.0000	5680.000	96.40000	3010.000	132.0000	33.60000
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000	<0.0600000
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000
Thallium	7440-28-0	N	ug/L		0.220000 J	<0.150000	<0.150000	<0.150000	<0.150000	0.300000 J	<0.150000
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000
Zinc	7440-66-6	N	ug/L		<2.00000	2.30000 J	2.60000 J	4.60000 J	<2.00000	4.00000 J	<2.00000
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L								
Ammonia	7664-41-7	N	ug/L								
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L							<0.5	<0.5

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Analyte	CAS No.	Filtered	Units	Location ID	MW-301B	MW-302A	MW-302B	MW-303	MW-304A	MW-304B	MW-304B
				Field Sample ID	SSP14-GW-MW-301B	SSP14-GW-MW-302A	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-304B-D
				Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	fs	FS	FS	DUP
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	
Acrolein	107-02-8	N	UG/L		<400	<40	<40	<40	<40	<40	
Acrylonitrile	107-13-1	N	UG/L		<40	<4	<4	<4	<4	<4	
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	5.8	<0.1	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	MW-301B	MW-302A	MW-302B	MW-303	MW-304A	MW-304B	MW-304B
				Field Sample ID	SSP14-GW-MW-301B	SSP14-GW-MW-302A	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-304B-D
				Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	fs	FS	FS	DUP
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	87	<0.1	
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	22	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5	<5	<6	<5	<5	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2	<2	<2	<2	<2	
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<1	
1,4-Naphthoquinone	130-15-4	N	UG/L		<27 R	<26 R	<27 R	<28	<25 R	<25 R	
1-Naphthylamine	134-32-7	N	UG/L		<5	<5	<5	<6	<5	<5	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,4-Dinitrophenol	51-28-5	N	UG/L		<11	<10	<11	<11	<10	<10	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1	
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2	<2	<2	<2	<2	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4	<0.4	<0.4	<0.5	<0.4	<0.4	
2-Chlorophenol	95-57-8	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2-Naphthylamine	91-59-8	N	UG/L		<5	<5	<5	<6	<5	<5	
2-Nitroaniline	88-74-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
2-Nitrophenol	88-75-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	

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Analyte	CAS No.	Filtered	Units	Location ID	MW-301B	MW-302A	MW-302B	MW-303	MW-304A	MW-304B	MW-304B
				Field Sample ID	SSP14-GW-MW-301B	SSP14-GW-MW-302A	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-304B-D
				Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	fs	FS	FS	DUP
2-Picoline	109-06-8	N	UG/L		<2	<2	<2	<2	<2	<2	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2	
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<27	<26	<27	<28	<25	<25	
3-Methylcholanthrene	56-49-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
3-Nitroaniline	99-09-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<6	<5	<5	
4-Aminobiphenyl	92-67-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Chloroaniline	106-47-8	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Nitroaniline	100-01-6	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
4-Nitrophenol	100-02-7	N	UG/L		<11	<10	<11	<11	<10	<10	
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<22	<21	<21	<23	<20	<20	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Acenaphthene	83-32-9	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Acenaphthylene	208-96-8	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Acetophenone	98-86-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Aniline	62-53-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Anthracene	120-12-7	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzyl Alcohol	100-51-6	N	UG/L		<11	<10	<11	<11	<10	<10	
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2	
Chlorobenzilate	510-15-6	N	UG/L		<3	<3	<3	<3	<3	<3	
Chrysene	218-01-9	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Diallate	2303-16-4	N	UG/L		<1	<1	<1	<1	<1	<1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.011	<0.010	<0.011	0.015 B	<0.010	<0.010	
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2	
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2	

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Analyte	CAS No.	Filtered	Units	Location ID	MW-301B	MW-302A	MW-302B	MW-303	MW-304A	MW-304B	MW-304B
				Field Sample ID	SSP14-GW-MW-301B	SSP14-GW-MW-302A	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-304B-D
				Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	fs	FS	FS	DUP
Diphenyl Ether	101-84-8	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Fluoranthene	206-44-0	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Fluorene	86-73-7	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Hexachlorobenzene	118-74-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Hexachlorobutadiene	87-68-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<6	<5	<5	
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1	
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2	<2	<2	<2	<2	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Isodrin	465-73-6	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Isophorone	78-59-1	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Isosafrole	120-58-1	N	UG/L		<2	<2	<2	<2	<2	<2	
Methapyrilene	91-80-5	N	UG/L		<16	<16	<16	<17	<15	<15	
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1	<1	<1	<1	<1	
Naphthalene	91-20-3	N	UG/L		<0.032	<0.031	<0.032	<0.034	<0.030	<0.030	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2	
Nitrobenzene	98-95-3	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2	<2	<2	<2	<2	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2	<2	<2	<2	<2	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2	<2	<2	<2	<2	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2	<2	<2	<2	<2	
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2	<2	<2	<2	<2	
O-Toluidine	95-53-4	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
para-Phenylenediamine	106-50-3	N	UG/L		<81	<78	<80	<85	<76	<76	
Pentachlorobenzene	608-93-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2	<2	<2	<2	<2	
Pentachlorophenol	87-86-5	N	UG/L		<1	<1	<1	<1	<1	<1	
Phenacetin	62-44-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Phenanthrene	85-01-8	N	UG/L		<0.032	<0.031	<0.032	<0.034	<0.030	<0.030	
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
Propylene Glycol	57-55-6	N	ug/L		<8000.00	<8000.00	<8000.00	<8000.00	<8000.00	<8000.00	<8000.00
Pyrene	129-00-0	N	UG/L		<0.011	<0.010	<0.011	<0.011	<0.010	<0.010	
Pyridine	110-86-1	N	UG/L		<2	<2	<2	<2	<2	<2	
Safrole	94-59-7	N	UG/L		<2	<2	<2	<2	<2	<2	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1	<1	<1	<1	<1	
Thionazin	297-97-2	N	UG/L		<2	<2	<2	<2	<2	<2	
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000	<8000	<8000	<8000	<8000

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Analyte	CAS No.	Filtered	Units	Location ID	MW-301B	MW-302A	MW-302B	MW-303	MW-304A	MW-304B	MW-304B
				Field Sample ID	SSP14-GW-MW-301B	SSP14-GW-MW-302A	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-304B-D
				Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/16/2014
				Sample Purpose	FS	FS	FS	fs	FS	FS	DUP
Dimethoate	60-51-5	N	UG/L		<3	<3	<3	<3	<3	<3	
Pronamide	23950-58-5	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	
<i>Inorganics</i>											
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000	<0.820000
Barium	7440-39-3	N	ug/L		2.20000 J	0.830000 J	0.570000 J	3.40000 J	14.60000	0.330000 B	
Beryllium	7440-41-7	N	ug/L		<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	<0.670000	
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	<0.170000	
Chromium	7440-47-3	N	ug/L		<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	<1.30000	
Cobalt	7440-48-4	N	ug/L		20.30000	<1.00000	<1.00000	<1.00000	<1.00000	<1.00000	
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	<2.80000	
Iron	7439-89-6	N	ug/L		90.70000 J	89.40000 J	170.0000 J	74.80000 J	110.0000 J	43.70000 J	
Lead	7439-92-1	N	ug/L		<0.0820000	<0.0820000	0.0830000 J	<0.0820000	5.40000	<0.0820000	
Manganese	7439-96-5	N	ug/L		25.50000	3.20000 J	5.40000 J	7.40000 J	41.80000	27.10000	
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000	<0.0600000	<0.0600000 UJ	<0.0600000	<0.0600000	
Nickel	7440-02-0	N	ug/L		<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	<1.60000	
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	<4.80000	
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	<1.80000	
Thallium	7440-28-0	N	ug/L		<0.150000	<0.150000	<0.150000	<0.150000	0.210000 J	<0.150000	
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	<2.40000	
Vanadium	7440-62-2	N	ug/L		<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	<1.90000	
Zinc	7440-66-6	N	ug/L		2.40000 J	<2.00000	<2.00000	4.90000 B	2.80000 J	<2.00000	
<i>Miscellaneous</i>											
Nitrate	14797-55-8	N	ug/L								
Ammonia	7664-41-7	N	ug/L								
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.5	<0.5	<0.5	<0.6	<0.5	<0.5	

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Analyte	CAS No.	Filtered	Units	Location ID	MW-305	R87-S4	R87-S5	R87-S5
				Field Sample ID	SSP14-GW-MW-305	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D
				Date Sampled	12/17/2014	11/13/2014	12/19/2014	11/12/2014
				Sample Purpose	FS	FS	FS	DUP
<i>Volatile Organic Compounds</i>								
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	0.1 J	0.1 J
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	2.3	1.9
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.5			
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.5			
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.5			
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	0.1 J	0.2 J	0.2 J
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	2.5	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
Ethylene Glycol	107-21-1	N	UG/L		<8000			
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2

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Analyte	CAS No.	Filtered	Units	Location ID	MW-305	R87-S4	R87-S5	R87-S5
				Field Sample ID	SSP14-GW-MW-305	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D
				Date Sampled	12/17/2014	11/13/2014	12/19/2014	11/12/2014
				Sample Purpose	FS	FS	FS	DUP
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	6.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.043 J	0.13	0.15
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>								
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.5			
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.5			
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5			
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2			
1,4-Dioxane	123-91-1	N	UG/L		<1	3 J	2 J	2 J
1,4-Naphthoquinone	130-15-4	N	UG/L		<25 R			
1-Naphthylamine	134-32-7	N	UG/L		<5			
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.5			
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.5			
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.5			
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.5			
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.5			
2,4-Dinitrophenol	51-28-5	N	UG/L		<10			
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1			
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.5			
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.5			
2-Acetylaminofluorene	53-96-3	N	UG/L		<2			
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4			
2-Chlorophenol	95-57-8	N	UG/L		<0.5			
2-Methylnaphthalene	91-57-6	N	UG/L		<0.010			
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.5			
2-Naphthylamine	91-59-8	N	UG/L		<5			
2-Nitroaniline	88-74-4	N	UG/L		<0.5			
2-Nitrophenol	88-75-5	N	UG/L		<0.5			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-305	R87-S4	R87-S5	R87-S5
				Field Sample ID	SSP14-GW-MW-305	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D
				Date Sampled	12/17/2014	11/13/2014	12/19/2014	11/12/2014
				Sample Purpose	FS	FS	FS	DUP
2-Picoline	109-06-8	N	UG/L		<2			
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2			
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<25			
3-Methylcholanthrene	56-49-5	N	UG/L		<0.5			
3-Nitroaniline	99-09-2	N	UG/L		<0.5			
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5			
4-Aminobiphenyl	92-67-1	N	UG/L		<0.5			
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.5			
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.5			
4-Chloroaniline	106-47-8	N	UG/L		<0.5			
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.5			
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.5			
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.5			
4-Nitroaniline	100-01-6	N	UG/L		<0.5			
4-Nitrophenol	100-02-7	N	UG/L		<10			
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20			
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.5			
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.5			
Acenaphthene	83-32-9	N	UG/L		<0.010			
Acenaphthylene	208-96-8	N	UG/L		<0.010			
Acetophenone	98-86-2	N	UG/L		<0.5			
Aniline	62-53-3	N	UG/L		<0.5			
Anthracene	120-12-7	N	UG/L		<0.010			
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010			
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010			
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010			
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010			
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010			
Benzyl Alcohol	100-51-6	N	UG/L		<10			
Biphenyl	92-52-4	N	UG/L		<0.5	<0.6	<0.5	<0.5
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.5			
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.5			
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2			
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2			
Chlorobenzilate	510-15-6	N	UG/L		<3			
Chrysene	218-01-9	N	UG/L		<0.010			
Diallate	2303-16-4	N	UG/L		<1			
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010			
Dibenzofuran	132-64-9	N	UG/L		<0.5			
Diethyl Phthalate	84-66-2	N	UG/L		<2			
Diethylene Glycol	111-46-6	N	UG/L		<8000			
Dimethyl Phthalate	131-11-3	N	UG/L		<2			
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-305	R87-S4	R87-S5	R87-S5
				Field Sample ID	SSP14-GW-MW-305	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D
				Date Sampled	12/17/2014	11/13/2014	12/19/2014	11/12/2014
				Sample Purpose	FS	FS	FS	DUP
Diphenyl Ether	101-84-8	N	UG/L		<0.5	1	16 J	9 J
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.5			
Fluoranthene	206-44-0	N	UG/L		<0.010			
Fluorene	86-73-7	N	UG/L		<0.010			
Hexachlorobenzene	118-74-1	N	UG/L		<0.1			
Hexachlorobutadiene	87-68-3	N	UG/L		<0.5			
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5			
Hexachloroethane	67-72-1	N	UG/L		<1			
Hexachloropropylene	1888-71-7	N	UG/L		<2			
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010			
Isodrin	465-73-6	N	UG/L		<0.5			
Isophorone	78-59-1	N	UG/L		<0.5			
Isosafrole	120-58-1	N	UG/L		<2			
Methapyrilene	91-80-5	N	UG/L		<15			
Methyl Methanesulfonate	66-27-3	N	UG/L		<1			
Naphthalene	91-20-3	N	UG/L		<0.030			
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2			
Nitrobenzene	98-95-3	N	UG/L		<0.5			
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2			
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.5			
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2			
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2			
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.5			
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.5			
N-Nitrosomorpholine	59-89-2	N	UG/L		<2			
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.5			
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.5			
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2			
O-Toluidine	95-53-4	N	UG/L		<0.5			
para-Phenylenediamine	106-50-3	N	UG/L		<76			
Pentachlorobenzene	608-93-5	N	UG/L		<0.5			
Pentachloronitrobenzene	82-68-8	N	UG/L		<2			
Pentachlorophenol	87-86-5	N	UG/L		<1			
Phenacetin	62-44-2	N	UG/L		<0.5			
Phenanthrene	85-01-8	N	UG/L		<0.030			
Phenol	108-95-2	N	UG/L		<0.5			
Propylene Glycol	57-55-6	N	ug/L		<8000.00			
Pyrene	129-00-0	N	UG/L		<0.010			
Pyridine	110-86-1	N	UG/L		<2			
Safrole	94-59-7	N	UG/L		<2			
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1			
Thionazin	297-97-2	N	UG/L		<2			
Triethylene Glycol	112-27-6	N	UG/L		<8000			

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Analyte	CAS No.	Filtered	Units	Location ID	MW-305	R87-S4	R87-S5	R87-S5
				Field Sample ID	SSP14-GW-MW-305	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D
				Date Sampled	12/17/2014	11/13/2014	12/19/2014	11/12/2014
				Sample Purpose	FS	FS	FS	DUP
Dimethoate	60-51-5	N	UG/L		<3			
Pronamide	23950-58-5	N	UG/L		<0.5			
<i>Inorganics</i>								
Antimony	7440-36-0	N	ug/L		<0.330000	<0.330000	<0.330000	<0.330000
Arsenic	7440-38-2	N	ug/L		3.30000 J	1.00000 J	0.830000 J	<0.820000
Barium	7440-39-3	N	ug/L		34.40000	94.90000	500.0000	502.0000
Beryllium	7440-41-7	N	ug/L		0.930000 J	0.850000 J	<0.670000	<0.670000
Cadmium	7440-43-9	N	ug/L		<0.170000	<0.170000	<0.170000	<0.170000
Chromium	7440-47-3	N	ug/L		4.40000 J	<1.30000	<1.30000	<1.30000
Cobalt	7440-48-4	N	ug/L		<1.00000	2.50000 J	6.30000 J	6.30000 J
Copper	7440-50-8	N	ug/L		<2.80000	<2.80000	<2.80000	<2.80000
Iron	7439-89-6	N	ug/L		8820.000	13600.00	31900.00	31500.00
Lead	7439-92-1	N	ug/L		6.30000	0.200000 J	0.0980000 J	0.100000 J
Manganese	7439-96-5	N	ug/L		215.0000	6600.000	681.0000	705.0000
Mercury	7439-97-6	N	ug/L		<0.0600000	<0.0600000 UJ	<0.0600000 UJ	<0.0600000 UJ
Nickel	7440-02-0	N	ug/L		1.90000 J	<1.60000	<1.60000	<1.60000
Selenium	7782-49-2	N	ug/L		<4.80000	<4.80000	<4.80000	<4.80000
Silver	7440-22-4	N	ug/L		<1.80000	<1.80000	<1.80000	<1.80000
Thallium	7440-28-0	N	ug/L		<0.150000	0.270000 J	0.660000 J	0.540000 J
Tin	7440-31-5	N	ug/L		<2.40000	<2.40000	<2.40000	<2.40000
Vanadium	7440-62-2	N	ug/L		7.80000 J	<1.90000	<1.90000	<1.90000
Zinc	7440-66-6	N	ug/L		12.90000 J	3.90000 B	2.40000 B	<2.00000
<i>Miscellaneous</i>								
Nitrate	14797-55-8	N	ug/L				<250.000	<250.000
Ammonia	7664-41-7	N	ug/L				33200.00	35000.00
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.5			

Summary of Analytical Results - Bedrock Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-1	BR-1	BR-1	BR-11	BR-11	BR-11	BR-2	BR-2	BR-2
				Field Sample ID	21465498	21478732	SSP14-GW-BR-1	21465505	SSP14-GW-BR-11	SSP14-GW-BR-11-D	21465500	21465501	SSP14-GW-BR-2
				Sample Name	BRE-G-BR-1	BRE-G-BR-1		BRE-G-BR-11			BRE-G-BR-2R	BRE-G-BR-2R-DUP	
				Date Sampled	02/24/2009	02/25/2009	11/20/2014	02/23/2009	12/19/2014	12/19/2014	02/24/2009	02/24/2009	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2			<0.2			<0.2	<0.2	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L				<0.3		<0.3	<0.3			<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1		<0.5	<0.1	<0.5	<0.5	<0.1	<0.1	<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1		<0.5	<0.1	<0.5	<0.5	<0.1	<0.1	<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1		<0.5	<0.1	<0.5	<0.5	<0.1	<0.1	<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		3.7 J		<3.0	3.7 B	<3.0	<3.0	4.1 J	4.3 J	<3.0
Acetonitrile	75-05-8	N	UG/L				<7.0		<7.0	<7.0			<7.0
Acrolein	107-02-8	N	UG/L				<40		<40	<40			<40
Acrylonitrile	107-13-1	N	UG/L				<4		<4	<4			<4
Allyl Chloride	107-05-1	N	UG/L				<0.1		<0.1	<0.1			<0.1
Benzene	71-43-2	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L				<0.1		<0.1	<0.1			<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L				<0.1		<0.1	<0.1			<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1		<0.1	<0.1	0.1 J	0.1 J	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1			<0.1			<0.1	<0.1	
Cyclohexane	110-82-7	N	UG/L		<0.1			<0.1			<0.1	<0.1	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L				<0.1		<0.1	<0.1			<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L				<0.1		<0.1	<0.1			<0.1
Isobutyl Alcohol	78-83-1	N	UG/L				<10		<10	<10			<10

Summary of Analytical Results - Bedrock Aquifer Groundwater
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-1	BR-1	BR-1	BR-11	BR-11	BR-11	BR-2	BR-2	BR-2
				Field Sample ID	21465498	21478732	SSP14-GW-BR-1	21465505	SSP14-GW-BR-11	SSP14-GW-BR-11-D	21465500	21465501	SSP14-GW-BR-2
				Sample Name	BRE-G-BR-1	BRE-G-BR-1		BRE-G-BR-11			BRE-G-BR-2R	BRE-G-BR-2R-DUP	
				Date Sampled	02/24/2009	02/25/2009	11/20/2014	02/23/2009	12/19/2014	12/19/2014	02/24/2009	02/24/2009	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP	FS
Methacrylonitrile	126-98-7	N	UG/L				<1.0		<1.0	<1.0			<1.0
Methyl Acetate	79-20-9	N	UG/L		<0.3			<0.3			<0.3	<0.3	
Methyl Bromide	74-83-9	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L				<0.1		<0.1	<0.1			<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1			<0.1			<0.1	<0.1	
Methylene Bromide	74-95-3	N	UG/L				<0.1		<0.1	<0.1			<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L				<0.2		<0.2	<0.2			<0.2
Propionitrile	107-12-0	N	UG/L				<2.0		<2.0	<2.0			<2.0
Styrene	100-42-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1		<0.1	<0.1	0.2 J	0.2 J	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L				<1.0		<1.0	<1.0			<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1	1	1.2	1.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L				<0.2		<0.2	<0.2			<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L				<0.5		<0.5	<0.5			<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1		<0.5	<0.1	<0.5	<0.5	<0.1	<0.1	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L				<5		<5	<5			<5
1,3-Dinitrobenzene	99-65-0	N	UG/L				<2		<2	<2			<2
1,4-Dioxane	123-91-1	N	UG/L		<1		<1	<1	<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L				<26 R		<27 R	<26 R			<26 R
1-Naphthylamine	134-32-7	N	UG/L				<5		<5	<5			<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L				<0.5		<0.5	<0.5			<0.5 R
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2,4-Dichlorophenol	120-83-2	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2,4-Dimethylphenol	105-67-9	N	UG/L		<3		<0.5	<3 R	<0.5	<0.5	<3	<3	<0.5 R
2,4-Dinitrophenol	51-28-5	N	UG/L		<20		<11	<19 R	<11	<10	<20	<20	<11 R
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1		<1	<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L				<0.5		<0.5	<0.5			<0.5 R
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L				<2		<2	<2			<2
2-Chloronaphthalene	91-58-7	N	UG/L		<2		<0.4	<2	<0.4	<0.4	<2	<2	<0.4

Summary of Analytical Results - Bedrock Aquifer Groundwater
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-1	BR-1	BR-1	BR-11	BR-11	BR-11	BR-2	BR-2	BR-2
				Field Sample ID	21465498	21478732	SSP14-GW-BR-1	21465505	SSP14-GW-BR-11	SSP14-GW-BR-11-D	21465500	21465501	SSP14-GW-BR-2
				Sample Name	BRE-G-BR-1	BRE-G-BR-1		BRE-G-BR-11			BRE-G-BR-2R	BRE-G-BR-2R-DUP	
				Date Sampled	02/24/2009	02/25/2009	11/20/2014	02/23/2009	12/19/2014	12/19/2014	02/24/2009	02/24/2009	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP	FS
2-Chlorophenol	95-57-8	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2-Methylnaphthalene	91-57-6	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2-Naphthylamine	91-59-8	N	UG/L				<5		<5	<5			<5
2-Nitroaniline	88-74-4	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
2-Nitrophenol	88-75-5	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
2-Picoline	109-06-8	N	UG/L				<2		<2	<2			<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L				<26		<27 R	<26			<26
3-Methylcholanthrene	56-49-5	N	UG/L				<0.5		<0.5	<0.5			<0.5
3-Nitroaniline	99-09-2	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5		<5	<5 R	<5	<5	<5	<5	<5 R
4-Aminobiphenyl	92-67-1	N	UG/L				<0.5		<0.5	<0.5			<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
4-Chloroaniline	106-47-8	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2		<0.5	<2	<0.5	<0.5	<2	<2	<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L				<0.5		<0.5	<0.5			<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2		<0.5	<2 R	<0.5	<0.5	<2	<2	<0.5 R
4-Nitroaniline	100-01-6	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
4-Nitrophenol	100-02-7	N	UG/L		<10		<11	<10 R	<11	<10	<10	<10	<11 R
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L				<21		<22	<21			<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L				<0.5		<0.5	<0.5			<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L				<0.5		<0.5	<0.5			<0.5
Acenaphthene	83-32-9	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Acenaphthylene	208-96-8	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Acetophenone	98-86-2	N	UG/L		<2		<0.5	<2	<0.5	<0.5	<2	<2	<0.5
Aniline	62-53-3	N	UG/L				<0.5		<0.5	<0.5			<0.5
Anthracene	120-12-7	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Benzaldehyde	100-52-7	N	UG/L		<1		<1	<1			<1	<1	
Benzo(A)Anthracene	56-55-3	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1		0.021 J	<1	<0.011	<0.010	<1	<1	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Benzyl Alcohol	100-51-6	N	UG/L				<11		<11	<10			<11 R
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L				<0.5		<0.5	<0.5			<0.5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1			<1			<1	<1	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2

Summary of Analytical Results - Bedrock Aquifer Groundwater
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Analyte	CAS No.	Filtered	Units	Location ID	BR-1	BR-1	BR-1	BR-11	BR-11	BR-11	BR-2	BR-2	BR-2
				Field Sample ID	21465498	21478732	SSP14-GW-BR-1	21465505	SSP14-GW-BR-11	SSP14-GW-BR-11-D	21465500	21465501	SSP14-GW-BR-2
				Sample Name	BRE-G-BR-1	BRE-G-BR-1		BRE-G-BR-11			BRE-G-BR-2R	BRE-G-BR-2R-DUP	
				Date Sampled	02/24/2009	02/25/2009	11/20/2014	02/23/2009	12/19/2014	12/19/2014	02/24/2009	02/24/2009	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP	FS
Caprolactam	105-60-2	N	UG/L		<5			<5			<5	<5	
Carbazole	86-74-8	N	UG/L		<1			<1			<1	<1	
Chlorobenzilate	510-15-6	N	UG/L				<3		<3	<3			<3
Chrysene	218-01-9	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Diallate	2303-16-4	N	UG/L				<1		<1	<1			<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1		0.014 J	<1	<0.011	<0.010	<1	<1	<0.011
Dibenzofuran	132-64-9	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Diethyl Phthalate	84-66-2	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L				<0.5		<0.5	<0.5			<0.5
Fluoranthene	206-44-0	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Fluorene	86-73-7	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	<0.011
Hexachlorobenzene	118-74-1	N	UG/L		<1		<0.1	<1	<0.1	<0.1	<1	<1	<0.1
Hexachlorobutadiene	87-68-3	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5		<5	<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1		<1	<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L				<2		<2	<2			<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1		0.014 J	<1	<0.011	<0.010	<1	<1	<0.011
Isodrin	465-73-6	N	UG/L				<0.5		<0.5	<0.5			<0.5
Isophorone	78-59-1	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Isosafrole	120-58-1	N	UG/L				<2		<2	<2			<2
Methapyrilene	91-80-5	N	UG/L				<16		<16	<16			<16
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1			<0.1			<0.1	<0.1	
Methyl Methanesulfonate	66-27-3	N	UG/L				<1		<1	<1			<1
Naphthalene	91-20-3	N	UG/L		<1		<0.032	<1	<0.033	<0.031	<1	<1	<0.032
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2		<2	<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L				<2		<2	<2			<2
N-Nitrosodiethylamine	55-18-5	N	UG/L				<0.5		<0.5	<0.5			<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L				<2		<2	<2			<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L				<2		<2	<2			<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2		<0.5	<2	<0.5	<0.5	<2	<2	<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L				<2		<2	<2			<2
N-Nitrosopiperidine	100-75-4	N	UG/L				<0.5		<0.5	<0.5			<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L				<0.5		<0.5	<0.5			<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L				<2		<2	<2			<2
O-Toluidine	95-53-4	N	UG/L				<0.5		<0.5	<0.5			<0.5
para-Phenylenediamine	106-50-3	N	UG/L				<79		<82	<78			<79
Pentachlorobenzene	608-93-5	N	UG/L				<0.5		<0.5	<0.5			<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L				<2		<2	<2			<2

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Analyte	CAS No.	Filtered	Units	Location ID	BR-1	BR-1	BR-1	BR-11	BR-11	BR-11	BR-2	BR-2	BR-2
				Field Sample ID	21465498	21478732	SSP14-GW-BR-1	21465505	SSP14-GW-BR-11	SSP14-GW-BR-11-D	21465500	21465501	SSP14-GW-BR-2
				Sample Name	BRE-G-BR-1	BRE-G-BR-1		BRE-G-BR-11			BRE-G-BR-2R	BRE-G-BR-2R-DUP	
				Date Sampled	02/24/2009	02/25/2009	11/20/2014	02/23/2009	12/19/2014	12/19/2014	02/24/2009	02/24/2009	11/20/2014
				Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP	FS
Pentachlorophenol	87-86-5	N	UG/L		<3		<1	<3 R	<1	<1	<3	<3	<1 R
Phenacetin	62-44-2	N	UG/L				<0.5		<0.5	<0.5			<0.5
Phenanthrene	85-01-8	N	UG/L		<1		<0.032	<1	<0.033	<0.031	<1	<1	<0.032
Phenol	108-95-2	N	UG/L		<1		<0.5	<1 R	<0.5	<0.5	<1	<1	<0.5 R
Pyrene	129-00-0	N	UG/L		<1		<0.011	<1	<0.011	<0.010	<1	<1	0.011 J
Pyridine	110-86-1	N	UG/L				<2		<2	<2			<2
Safrole	94-59-7	N	UG/L				<2		<2	<2			<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L				<1		<1	<1			<1
Thionazin	297-97-2	N	UG/L				<2		<2	<2			<2
Dimethoate	60-51-5	N	UG/L				<3		<3	<3			<3
Atrazine	1912-24-9	N	UG/L		<2			<2			<2	<2	
Pronamide	23950-58-5	N	UG/L				<0.5		<0.5	<0.5			<0.5
<i>Dowtherm</i>													
Biphenyl	92-52-4	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
Diphenyl Ether	101-84-8	N	UG/L		<1		<0.5	<1	<0.5	<0.5	<1	<1	<0.5
<i>Glycols</i>													
Ethylene Glycol	107-21-1	N	UG/L			<5040	<8000	<5040	<8000	<8000	<5040 UJ	6460 J	<8000
Diethylene Glycol	111-46-6	N	UG/L			<4640	<8000	<4640	<8000	<8000	<4640 UJ	<4640	<8000
Propylene Glycol	57-55-6	N	UG/L			<3930	<8000.00	<3930	<8000.00	<8000.00	<3930 UJ	<3930	<8000.00
Triethylene Glycol	112-27-6	N	UG/L			<5890	<8000	<5890	<8000	<8000	<5890 UJ	<5890	<8000
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<9.7		<0.33	<9.7	<0.33	<0.33	<9.7	<9.7	<0.33
Arsenic	7440-38-2	N	UG/L		<10.0		<0.82	<10.0	<0.82	<0.82	<10.0	<10.0	<0.82
Barium	7440-39-3	N	UG/L		0.90 J		0.43 J	6.8	7.1 J	6.9 J	4.7 J	2.7 J	2.2 J
Beryllium	7440-41-7	N	UG/L		<0.90		<0.67	<0.90	<0.67	<0.67	<0.90	<0.90	<0.67
Cadmium	7440-43-9	N	UG/L		<2.0		<0.17	<2.0	<0.17	<0.17	<2.0	<2.0	<0.17
Chromium	7440-47-3	N	UG/L		<3.0		4.0 J	<3.0	14.5 J	13.8 J	<3.0	<3.0	1.4 J
Cobalt	7440-48-4	N	UG/L		<2.1		<1.0	<2.1	<1.0	<1.0	<2.1	<2.1	<1.0
Copper	7440-50-8	N	UG/L		<2.7		<2.8	<2.7	<2.8	<2.8	<2.7	<2.7	<2.8
Iron	7439-89-6	N	UG/L		19300 J		17900	13200 J	36600	33600	964 J	495 J	27000
Lead	7439-92-1	N	UG/L		<6.9		<0.082	<6.9	0.083 J	<0.082	<6.9	<6.9	<0.082
Manganese	7439-96-5	N	UG/L		10.8		102	1230	1180	1210	393	359	690
Mercury	7439-97-6	N	UG/L		0.000148 J		<0.060	0.000195 J	<0.060	<0.060	0.000199 J	0.000191 J	<0.060
Nickel	7440-02-0	N	UG/L		<5.6		<1.6	<5.6	<1.6	<1.6	<5.6	<5.6	<1.6
Selenium	7782-49-2	N	UG/L		<10.7		<4.8	<10.7	6.8 J	<4.8	<10.7	<10.7	<4.8
Silver	7440-22-4	N	UG/L		<2.2		<1.8	<2.2	<1.8	<1.8	<2.2	<2.2	<1.8
Thallium	7440-28-0	N	UG/L		<14.0		<0.15	<14.0	<0.15	<0.15	<14.0	<14.0	<0.15
Tin	7440-31-5	N	UG/L				<2.4		<2.4	<2.4			<2.4
Vanadium	7440-62-2	N	UG/L		<2.5 UJ		<1.9	<2.5 UJ	2.3 J	2.4 J	<2.5 UJ	<2.5 UJ	<1.9
Zinc	7440-66-6	N	UG/L		12.3 J		3.3 J	<8.1	<2.0	<2.0	<8.1	<8.1	2.2 J

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Analyte	CAS No.	Filtered	Units	Location ID	BR-3	BR-3	BR-5	BR-5	BR-9	BR-9
				Field Sample ID	21465503	SSP14-GW-BR-3	21465507	SSP14-GW-BR-5	21465509	SSP14-GW-BR-9
				Sample Name	BRE-G-BR-3		BRE-G-BR-5		BRE-G-BR-9	
				Date Sampled	02/24/2009	12/19/2014	02/23/2009	12/18/2014	02/23/2009	12/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2		0.9		1.3	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	5.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3		<0.3		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	0.2 J	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		7.4	<3.0	4.5 B	<3.0	7.9 B	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0		<7.0		<7.0
Acrolein	107-02-8	N	UG/L			<40		<40		<40
Acrylonitrile	107-13-1	N	UG/L			<4		<4		<4
Allyl Chloride	107-05-1	N	UG/L			<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		0.1 J	0.2 J	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L			<0.1		<0.1		<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		1	0.2 J	1.1	1	6.3	4.9
Chloroprene	126-99-8	N	UG/L			<0.1		<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		0.6	2.6	0.9	0.4 J	1.7	0.8
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1		<0.1		<0.1	
Cyclohexane	110-82-7	N	UG/L		<0.1		<0.1		<0.1	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1		<0.1		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L			<0.1		<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10		<10		<10

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Analyte	CAS No.	Filtered	Units	Location ID	BR-3	BR-3	BR-5	BR-5	BR-9	BR-9
				Field Sample ID	21465503	SSP14-GW-BR-3	21465507	SSP14-GW-BR-5	21465509	SSP14-GW-BR-9
				Sample Name	BRE-G-BR-3		BRE-G-BR-5		BRE-G-BR-9	
				Date Sampled	02/24/2009	12/19/2014	02/23/2009	12/18/2014	02/23/2009	12/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Methacrylonitrile	126-98-7	N	UG/L			<1.0		<1.0		<1.0
Methyl Acetate	79-20-9	N	UG/L		<0.3		<0.3		<0.3	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1		<0.1		<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1		<0.1		<0.1	
Methylene Bromide	74-95-3	N	UG/L			<0.1		<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		0.2 J	0.4 J	<0.2	<0.2	<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L			<0.2		<0.2		<0.2
Propionitrile	107-12-0	N	UG/L			<2.0		<2.0		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		0.2 J	0.1 J	0.4 J	0.7	3.7	3.2
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	0.2 J	<0.1	0.6	0.2 J
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0		<1.0		<1.0
Trichloroethene	79-01-6	N	UG/L		1.4	1	15	13	61	29
Trichlorofluoromethane	75-69-4	N	UG/L		0.5	13	0.1 J	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2		<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.27	<0.010	<0.010	0.012 J	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L			<0.5		<0.5		<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L			<5		<5		<5
1,3-Dinitrobenzene	99-65-0	N	UG/L			<2		<2		<2
1,4-Dioxane	123-91-1	N	UG/L		4 J	7	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L			<27 R		<26 R		<26 R
1-Naphthylamine	134-32-7	N	UG/L			<5		<5		<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L			<0.5		<0.5		<0.5
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<0.5	<3	<0.5	<3	<0.5
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<11	<21	<10	<20	<11
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	87-65-0	N	UG/L			<0.5		<0.5		<0.5
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L			<2		<2		<2
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<0.4	<2	<0.4	<2	<0.4

Summary of Analytical Results - Bedrock Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-3	BR-3	BR-5	BR-5	BR-9	BR-9
				Field Sample ID	21465503	SSP14-GW-BR-3	21465507	SSP14-GW-BR-5	21465509	SSP14-GW-BR-9
				Sample Name	BRE-G-BR-3		BRE-G-BR-5		BRE-G-BR-9	
				Date Sampled	02/24/2009	12/19/2014	02/23/2009	12/18/2014	02/23/2009	12/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
2-Chlorophenol	95-57-8	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2-Methylnaphthalene	91-57-6	N	UG/L		<1	0.020 J	<1	<0.010	<1	<0.011
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2-Naphthylamine	91-59-8	N	UG/L			<5		<5		<5
2-Nitroaniline	88-74-4	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2-Nitrophenol	88-75-5	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
2-Picoline	109-06-8	N	UG/L			<2		<2		<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<2	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L			<27		<26		<26
3-Methylcholanthrene	56-49-5	N	UG/L			<0.5		<0.5		<0.5
3-Nitroaniline	99-09-2	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L			<0.5		<0.5		<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
4-Chloroaniline	106-47-8	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<0.5	<2	<0.5	<2	<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L			<0.5		<0.5		<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<0.5	<2	<0.5	<2	<0.5
4-Nitroaniline	100-01-6	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
4-Nitrophenol	100-02-7	N	UG/L		<10	<11	<10	<10	<10	<11
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L			<21		<21		<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L			<0.5		<0.5		<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L			<0.5		<0.5		<0.5
Acenaphthene	83-32-9	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Acenaphthylene	208-96-8	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Acetophenone	98-86-2	N	UG/L		<2	<0.5	<2	<0.5	<2	<0.5
Aniline	62-53-3	N	UG/L			<0.5		<0.5		<0.5
Anthracene	120-12-7	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzaldehyde	100-52-7	N	UG/L		<1		<1		<1	
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Benzyl Alcohol	100-51-6	N	UG/L			<11		<10		<11
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L			<0.5		<0.5		<0.5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1		<1		<1	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<2

Summary of Analytical Results - Bedrock Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-3	BR-3	BR-5	BR-5	BR-9	BR-9
				Field Sample ID	21465503	SSP14-GW-BR-3	21465507	SSP14-GW-BR-5	21465509	SSP14-GW-BR-9
				Sample Name	BRE-G-BR-3		BRE-G-BR-5		BRE-G-BR-9	
				Date Sampled	02/24/2009	12/19/2014	02/23/2009	12/18/2014	02/23/2009	12/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Caprolactam	105-60-2	N	UG/L		<5		<5		<5	
Carbazole	86-74-8	N	UG/L		<1		<1		<1	
Chlorobenzilate	510-15-6	N	UG/L			<3		<3		<3
Chrysene	218-01-9	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Diallate	2303-16-4	N	UG/L			<1		<1		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Dibenzofuran	132-64-9	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L			<0.5		<0.5		<0.5
Fluoranthene	206-44-0	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Fluorene	86-73-7	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Hexachlorobenzene	118-74-1	N	UG/L		<1	<0.1	<1	<0.1	<1	<0.1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L			<2		<2		<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Isodrin	465-73-6	N	UG/L			<0.5		<0.5		<0.5
Isophorone	78-59-1	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Isosafrole	120-58-1	N	UG/L			<2		<2		<2
Methapyrilene	91-80-5	N	UG/L			<16		<16		<16
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1		<0.1		<0.1	
Methyl Methanesulfonate	66-27-3	N	UG/L			<1		<1		<1
Naphthalene	91-20-3	N	UG/L		<1	0.34	<1	<0.031	<1	<0.032
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L			<2		<2		<2
N-Nitrosodiethylamine	55-18-5	N	UG/L			<0.5		<0.5		<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L			<2		<2		<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L			<2		<2		<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<0.5	<2	<0.5	<2	<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L			<2		<2		<2
N-Nitrosopiperidine	100-75-4	N	UG/L			<0.5		<0.5		<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L			<0.5		<0.5		<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L			<2		<2		<2
O-Toluidine	95-53-4	N	UG/L			<0.5		<0.5		<0.5
para-Phenylenediamine	106-50-3	N	UG/L			<80		<78		<79
Pentachlorobenzene	608-93-5	N	UG/L			<0.5		<0.5		<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L			<2		<2		<2

Summary of Analytical Results - Bedrock Aquifer Groundwater
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	BR-3	BR-3	BR-5	BR-5	BR-9	BR-9
				Field Sample ID	21465503	SSP14-GW-BR-3	21465507	SSP14-GW-BR-5	21465509	SSP14-GW-BR-9
				Sample Name	BRE-G-BR-3		BRE-G-BR-5		BRE-G-BR-9	
				Date Sampled	02/24/2009	12/19/2014	02/23/2009	12/18/2014	02/23/2009	12/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Pentachlorophenol	87-86-5	N	UG/L		<3	<1	<3	<1	<3	<1
Phenacetin	62-44-2	N	UG/L			<0.5		<0.5		<0.5
Phenanthrene	85-01-8	N	UG/L		<1	<0.032	<1	<0.031	<1	<0.032
Phenol	108-95-2	N	UG/L		<1	<0.5	<1	<0.5	<1	<0.5
Pyrene	129-00-0	N	UG/L		<1	<0.011	<1	<0.010	<1	<0.011
Pyridine	110-86-1	N	UG/L			<2		<2		<2
Safrole	94-59-7	N	UG/L			<2		<2		<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L			<1		<1		<1
Thionazin	297-97-2	N	UG/L			<2		<2		<2
Dimethoate	60-51-5	N	UG/L			<3		<3		<3
Atrazine	1912-24-9	N	UG/L		<2		<2		<2	
Pronamide	23950-58-5	N	UG/L			<0.5		<0.5		<0.5
<i>Dowtherm</i>										
Biphenyl	92-52-4	N	UG/L		10	67	<1	<0.5	<1	<0.5
Diphenyl Ether	101-84-8	N	UG/L		30 J	200	<1	<0.5	<1	<0.5
<i>Glycols</i>										
Ethylene Glycol	107-21-1	N	UG/L		<5040	<8000	<5040	<8000	<5040	<8000
Diethylene Glycol	111-46-6	N	UG/L		<4640	<8000	<4640	<8000	<4640	<8000
Propylene Glycol	57-55-6	N	UG/L		<3930	<8000.00	<3930	<8000.00	<3930	<8000.00
Triethylene Glycol	112-27-6	N	UG/L		<5890	<8000	<5890	<8000	<5890	<8000
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<9.7	<0.33	<9.7	<0.33	<9.7	<0.33
Arsenic	7440-38-2	N	UG/L		<10.0	<0.82	<10.0	<0.82	<10.0	<0.82
Barium	7440-39-3	N	UG/L		79.2	21.7	3.6 J	3.3 B	23.6	29.3
Beryllium	7440-41-7	N	UG/L		3.2 J	<0.67	<0.90	<0.67	<0.90	<0.67
Cadmium	7440-43-9	N	UG/L		<2.0	<0.17	<2.0	<0.17	<2.0	<0.17
Chromium	7440-47-3	N	UG/L		<3.0	<1.3	<3.0	<1.3	<3.0	2.4 J
Cobalt	7440-48-4	N	UG/L		<2.1	<1.0	<2.1	<1.0	<2.1	<1.0
Copper	7440-50-8	N	UG/L		3.8 J	<2.8	<2.7	<2.8	<2.7	4.0 J
Iron	7439-89-6	N	UG/L		12900 J	42700	39900 J	19800	44200 J	88800
Lead	7439-92-1	N	UG/L		17.8	0.42 J	<6.9	0.13 J	<6.9	2.4
Manganese	7439-96-5	N	UG/L		356	2150	35	83.7	44.1	56.7
Mercury	7439-97-6	N	UG/L		0.022	<0.060	0.000225 J	<0.060	0.00141	<0.060
Nickel	7440-02-0	N	UG/L		<5.6	<1.6	<5.6	<1.6	<5.6	<1.6
Selenium	7782-49-2	N	UG/L		<10.7	<4.8	<10.7	<4.8	<10.7	<4.8
Silver	7440-22-4	N	UG/L		<2.2	<1.8	<2.2	<1.8	<2.2	<1.8
Thallium	7440-28-0	N	UG/L		<14.0	<0.15	<14.0	<0.15	<14.0	<0.15
Tin	7440-31-5	N	UG/L			<2.4		<2.4		<2.4
Vanadium	7440-62-2	N	UG/L		<2.5 UJ	<1.9	<2.5 UJ	<1.9	<2.5 UJ	5.7 J
Zinc	7440-66-6	N	UG/L		31.4	2.1 J	<8.1	2.6 J	17.3 J	23.2 J

Summary of Analytical Results - Water Supply Wells
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>									
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	0.21 J	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.12	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L						<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	1.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.1	<0.3	<0.3	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.1	<0.5	<0.5	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	0.24 J	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	2.0 B	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<0.23	<7.0	<7.0	
Acrolein	107-02-8	N	UG/L		<40				
Acrylonitrile	107-13-1	N	UG/L		<4				
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.32	<0.1	<0.1	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L						
Bromodichloromethane	75-27-4	N	UG/L		0.1 J	30	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		1.4	0.83	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	5.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		0.7	6.3	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		0.8	1000	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L						<0.1
Cyclohexane	110-82-7	N	UG/L						<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	1.5	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<1	<0.1	<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<7.7	<10	<10	

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
Meta- And Para-Xylene	EVS0253	N	UG/L			<0.2			
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1	<1.0	<1.0	
Methyl Acetate	79-20-9	N	UG/L						<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.47	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<1	<0.1	<0.1	
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L						<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		<0.2	1.1 B	<0.2	<0.2	<0.2
Ortho-Xylene	95-47-6	N	UG/L			<0.1			
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.1	<0.2	<0.2	
Propionitrile	107-12-0	N	UG/L		<2.0	<5	<2.0	<2.0	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.11	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<4	<1.0	<1.0	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.098	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>									
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<0.74	<2	<2	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<0.79	<1	<1	<0.1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1.2	<1	<1	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<1.1	<5	<5	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<1	<2	<2	
1,4-Dioxane	123-91-1	N	UG/L		<1	<2.5	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 UJ	<0.24	<10 UJ	<10 UJ	
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<0.016	<0.010	<0.0095	
1-Naphthylamine	134-32-7	N	UG/L		<5	<0.74	<5	<5	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<0.96	<2	<2	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1.1	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1.1	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<0.89	<1	<1	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1.2	<3	<3	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<2.7	<20	<19	<20
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1.2	<1	<1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<0.84	<2	<2	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<0.96	<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<1.1	<2	<2	
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<0.96	<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L		<1	<0.63	<1	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<0.01	<0.010	<0.0095	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<0.95	<1	<1	<1
2-Naphthylamine	91-59-8	N	UG/L		<5	<0.77	<5	<5	
2-Nitroaniline	88-74-4	N	UG/L		<1	<1.3	<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L		<1	<0.69	<1	<1	<1
2-Picoline	109-06-8	N	UG/L		<2	<0.85	<2	<2	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<0.99	<2	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<1.4	<10	<10	
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<0.84	<2	<2	
3-Nitroaniline	99-09-2	N	UG/L		<1	<0.89	<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5 UJ		<5	<5	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<0.82	<5	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<0.59	<2	<2	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<0.98	<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1.2	<1	<1	<1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1.1	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<0.99	<2	<2	<2
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<0.8	<2	<2	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<1	<2	<2	<2
4-Nitroaniline	100-01-6	N	UG/L		<1	<0.99	<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L		<10	<0.81	<10	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<0.65	<20	<19	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<0.94	<3	<3	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<0.78	<2	<2	
Acenaphthene	83-32-9	N	UG/L		<1	<0.0086	<0.010	<0.0095	<1
Acenaphthylene	208-96-8	N	UG/L		<1	<0.0097	<0.010	<0.0095	<1
Acetophenone	98-86-2	N	UG/L		<2	<0.68	<2	<2	<2
Aniline	62-53-3	N	UG/L		<1	<0.66	<1	<1	
Anthracene	120-12-7	N	UG/L		<1	<0.016	<0.010	<0.0095	<1
Benzaldehyde	100-52-7	N	UG/L		<1		<1	<1	<1
Benzidine	92-87-5	N	UG/L		<19	<1.4	<20	<19	
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<0.0086	<0.010	<0.0095	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<0.0081	<0.010	<0.0095	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<0.012	<0.010	<0.0095	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<0.0076	<0.010	<0.0095	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<0.0081	<0.010	<0.0095	<1
Benzoic Acid	65-85-0	N	UG/L		<6		9 B	10 B	

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
Benzyl Alcohol	100-51-6	N	UG/L		<5	<1.2	<5	<5	
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1		<1	<1	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L			<0.97			<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<1	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<0.61	<1	<1	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<1.1	<2	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<1	<2	<2	<2
Caprolactam	105-60-2	N	UG/L						<5
Carbazole	86-74-8	N	UG/L		<1	<0.54	<1	<1	<1
Chlorobenzilate	510-15-6	N	UG/L		<3	<1	<3	<3	
Chrysene	218-01-9	N	UG/L		<1	<0.0097	<0.010	<0.0095	<1
Diallate	2303-16-4	N	UG/L		<1	<0.68	<1	<1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<0.011	<0.010	<0.0095	<1
Dibenzofuran	132-64-9	N	UG/L		<1	<0.94	<1	<1	<1
Diethyl Phthalate	84-66-2	N	UG/L		<2	<1.1	<2	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<1	<2	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<1.2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<0.82	<2	<2	
Fluoranthene	206-44-0	N	UG/L		<1	<0.0092	<0.010	<0.0095	<1
Fluorene	86-73-7	N	UG/L		<1	<0.007	<0.010	<0.0095	<1
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<1	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<0.88	<1	<1	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<1.4	<5	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<0.62	<1	<1	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<0.62	<2	<2	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<0.01	<0.010	<0.0095	<1
Isodrin	465-73-6	N	UG/L		<1	<0.99	<1	<1	
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<1	<1	<2	<2	
Methapyrilene	91-80-5	N	UG/L		<3 R	<1.3 UJ	<15 UJ	<14 UJ	
Methyl Cyclohexane	108-87-2	N	UG/L						<0.1
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<0.24	<1	<1	
Naphthalene	91-20-3	N	UG/L		<1	0.0058 B	0.015 B	0.017 B	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<0.97	<2	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<1	<0.82	<1	<1	<1 UJ
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<1.4	<2	<2	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<1.4	<2	<2	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<1.4	<2	<2	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<1.2	<2	<2	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<0.96	<2	<2	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<0.63	<2	<2	

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<0.72	<2	<2	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<0.68	<2	<2	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<0.95	<2	<2	
O-Toluidine	95-53-4	N	UG/L		<1	<0.68	<1	<1	
para-Phenylenediamine	106-50-3	N	UG/L		<57 R	<14 R	<75 R	<71 R	
Pentachlorobenzene	608-93-5	N	UG/L		<2	<0.83	<2	<2	
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<0.97	<2	<2	
Pentachlorophenol	87-86-5	N	UG/L		<3	<1.2	<3	<3	<3
Phenacetin	62-44-2	N	UG/L		<2	<1.1	<2	<2	
Phenanthrene	85-01-8	N	UG/L		<1	<0.025	<0.010	<0.0095	<1
Phenol	108-95-2	N	UG/L		<1	<0.7	<1	<1	<1
Pyrene	129-00-0	N	UG/L		<1	<0.0081	<0.010	<0.0095	<1
Pyridine	110-86-1	N	UG/L		<2	<0.87	<2	<2	
Safrole	94-59-7	N	UG/L		<2	<0.88	<2	<2	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<0.98	<1	<1	
Thionazin	297-97-2	N	UG/L		<2	<1.3	<2	<2	
Dimethoate	60-51-5	N	UG/L		<3	<1.3	<3	<3	
Atrazine	1912-24-9	N	UG/L						<2
Pronamide	23950-58-5	N	UG/L		<1	<0.99	<1	<1	
<i>Dowtherm</i>									
Biphenyl	92-52-4	N	UG/L		<1		<1	<1	<1
Diphenyl Ether	101-84-8	N	UG/L		<1		<1	<1	<1
<i>Glycols</i>									
Diethylene Glycol	111-46-6	N	UG/L		<4200	<5300	<5300	<5300	
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200	<5200	<5200	
Propylene Glycol	57-55-6	N	UG/L		<3900	<9700	<9700	<9700	
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6300	<6300	<6300	
<i>Inorganics</i>									
Antimony	7440-36-0	N	UG/L		<0.0900	<20	<9.70	<9.70	<9.70 UJ
Arsenic	7440-38-2	N	UG/L		<0.0590	<4.40	<1	<1	<1
Barium	7440-39-3	N	UG/L		3.20 J	7.90 J	500 B	4.20 B	5.2
Beryllium	7440-41-7	N	UG/L		<0.970	0.520 J	<0.900	<0.900	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		<0.760	0.990 J	<0.900	<0.900	<200
Chromium	7440-47-3	N	UG/L		0.680 B	9.60 J	<2.30	<2.30	<300
Cobalt	7440-48-4	N	UG/L		<200	0.960 J	<2.10	<2.10	<2.10
Copper	7440-50-8	N	UG/L		<2.70	37.8	<2.20	<2.20	3.40 B
Iron	7439-89-6	N	UG/L						2230
Lead	7439-92-1	N	UG/L		<1	4.4	<6.90	<6.90	<6.90
Manganese	7439-96-5	N	UG/L						19.3
Mercury	7439-97-6	N	UG/L		<0.0280	<0.10	<0.0560	<0.0560	02540 B
Nickel	7440-02-0	N	UG/L		<3.10	8.20 J	<5.60	<5.60	<5.60
Selenium	7782-49-2	N	UG/L		<5.90	<4.50	<9.40	<9.40	<10.70

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND	WSW-CMPGND
				Field Sample ID	13516896	18476802	19622087	19622088	21452287
				Sample Name	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND	BRE-G-WSW-CMPGND-DUP	BRE-G-WSW-CMPGND
				Date Sampled	08/09/2004	09/07/2007	03/27/2008	03/27/2008	02/19/2009
				Sample Purpose	FS	FS	FS	DUP	FS
Silver	7440-22-4	N	UG/L		<200	<0.90 UJ	<1.60	<1.60	<2.20
Thallium	7440-28-0	N	UG/L		<0.130	<7.30 UJ	<10.50	<10.50	<1400
Tin	7440-31-5	N	UG/L		<500	7.70 J	11.30 J	<8.40	
Vanadium	7440-62-2	N	UG/L		<1.60	4.50 J	<1.50	<1.50	<2.50 UJ
Zinc	7440-66-6	N	UG/L		8.10 B	75.7	<8.10	<8.10	<8.10
<i>Miscellaneous</i>									
Fecal Coliform	EVS0238	N	MPN/100mL						
Diallate (cis Isomer)	EVS0487	N	UG/L			<0.64			
Diallate (trans Isomer)	EVS0488	N	UG/L			<0.58			

Summary of Analytical Results - Water Supply Wells
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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.037	<0.037	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.036	<0.036	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.048	<0.048	<0.12	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.035	0.11 J	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L						<0.2	
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.07	<0.07	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.048	<0.048	0.11 J	<0.1	0.1 J
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.1	<0.1	<0.1		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.1	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.059	<0.059	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.5	<0.03	<0.03	<0.1	<0.1	<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.057	<0.057	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.041	<0.041	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.5	<0.039	<0.039	<0.1	<0.1	<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.5	<0.037	<0.037	<0.1	<0.1	<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0	<0.56	<0.56	<0.5	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<0.38	<0.38	<1.2	3.1 B	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<0.036	<0.036	<0.23		<7.0
Acrolein	107-02-8	N	UG/L		<40					<40
Acrylonitrile	107-13-1	N	UG/L		<4					<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.049	<0.049	<0.32		<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.023	<0.023	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1					<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.056	<0.056	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.042	<0.042	<0.15	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	2.7	2.2	0.17 J	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.07	<0.07	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.016	<0.016	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.032	<0.032	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.48 J	0.51	0.78	0.6	0.8
Chloroprene	126-99-8	N	UG/L		<0.1	<0.042	<0.042	<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	16	18	20	13	16
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.019	<0.019	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L						<0.1	
Cyclohexane	110-82-7	N	UG/L						<0.1	
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.045	<0.045	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.11	<0.11	<0.13	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.32	<0.32	<1		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.036	<0.036	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.044	<0.044	<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<7.3	<7.3	<7.7		<10

Summary of Analytical Results - Water Supply Wells
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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L			<0.036	<0.036	<0.2		
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<0.68	<0.68	<1		<1.0
Methyl Acetate	79-20-9	N	UG/L						<0.3	
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.053	<0.053	<0.47	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.042	<0.042	<0.1	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	2.8	2.3 J	<0.5	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<0.4	<0.4	<0.5	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.53	<0.53	<1		<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L						<0.1	
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.042	<0.042	<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.061	<0.061	0.15 B	<0.2	<0.2
Ortho-Xylene	95-47-6	N	UG/L			<0.04	<0.04	<0.1		
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.1	<0.1	<0.1		<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<3.3	<3.3	<5		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.034	<0.034	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	0.16 J	0.18 J	0.23 J	0.2 J	0.4 J
Toluene	108-88-3	N	UG/L		<0.1	<0.038	<0.038	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.024	<0.024	0.29 J	0.9	0.2 J
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.032	<0.032	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<2	<2	<4		<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	4.9	5.3	9.1	7.8	13
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.052	<0.052	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.19	<0.19	<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	0.013	0.013	0.0087 B	0.013 J	0.015 J
Xylenes	1330-20-7	N	UG/L		<0.1	<0.036	<0.036	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.5	<1	<1	<0.69		<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.5	<0.99	<0.99	<0.73	<0.1	<0.5
1,2-Diphenylhydrazine	122-66-7	N	UG/L			<0.74	<0.74	<1.1		
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<0.41	<0.41	<1		<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<0.72	<0.72	<0.94		<2
1,4-Dioxane	123-91-1	N	UG/L		<1	<5.5	<5.5	<2.5	<0.9	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<27 R	<1.4	<1.4	<0.22		<26 R
1-Methylnaphthalene	90-12-0	N	UG/L			<0.94	<0.94	<0.015		
1-Naphthylamine	134-32-7	N	UG/L		<5	<2.2	<2.2	<0.68		<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.5	<1.6	<1.6	<0.89		<0.5
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.5	<4.3	<4.3	<1	<0.9	<0.5
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.5	<2.9	<2.9	<0.98	<0.9	<0.5
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.5	<1.3	<1.3	<0.82	<0.9	<0.5
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.5	<0.96	<0.96	<1.2	<3	<0.5
2,4-Dinitrophenol	51-28-5	N	UG/L		<11	<3.5	<3.5	<2.5	<19	<11
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<0.76	<0.76	<1.1	<0.9	<1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.5	<1.4	<1.4	<0.78		<0.5
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.5	<0.74	<0.74	<0.88	<0.9	<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<0.8	<0.8	<0.99		<2
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4	<0.81	<0.81	<0.88	<2	<0.4
2-Chlorophenol	95-57-8	N	UG/L		<0.5	<1.2	<1.2	<0.58	<0.9	<0.5
2-Methylnaphthalene	91-57-6	N	UG/L		<0.011	<0.83	<0.83	<0.0095	<0.9	<0.011
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.5	<0.77	<0.77	<0.88	<0.9	<0.5
2-Naphthylamine	91-59-8	N	UG/L		<5	<1.5	<1.5	<0.71		<5
2-Nitroaniline	88-74-4	N	UG/L		<0.5	<0.96	<0.96	<1.2	<0.9	<0.5
2-Nitrophenol	88-75-5	N	UG/L		<0.5	<1.4	<1.4	<0.64	<0.9	<0.5
2-Picoline	109-06-8	N	UG/L		<2	<0.6	<0.6	<0.79		<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<0.7	<0.7	<0.92	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<27	<2.8	<2.8	<1.3		<26
3-Methylcholanthrene	56-49-5	N	UG/L		<0.5	<0.53	<0.53	<0.78		<0.5
3-Nitroaniline	99-09-2	N	UG/L		<0.5	<1.4	<1.4	<0.82	<0.9	<0.5
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L							
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<4.2	<4.2	<0.76	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<0.5	<1.2	<1.2	<0.55		<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.5	<0.81	<0.81	<0.9	<0.9	<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.5	<0.48	<0.48	<1.1	<0.9	<0.5
4-Chloroaniline	106-47-8	N	UG/L		<0.5	<0.68	<0.68	<0.99	<0.9	<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.5	<0.89	<0.89	<0.92	<2	<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.5	<0.86	<0.86	<0.74		<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.5	<1.6	<1.6	<0.93	<2	<0.5
4-Nitroaniline	100-01-6	N	UG/L		<0.5	<1.3	<1.3	<0.92	<0.9	<0.5
4-Nitrophenol	100-02-7	N	UG/L		<11	<3.8	<3.8	<0.75	<9	<11
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<22	<10	<10	<0.6		<21
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.5	<1.4	<1.4	<0.87		<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.5	<0.57	<0.57	<0.72		<0.5
Acenaphthene	83-32-9	N	UG/L		<0.011	<2.9	<2.9	<0.008	<0.9	<0.011
Acenaphthylene	208-96-8	N	UG/L		<0.011	<0.92	<0.92	<0.009	<0.9	<0.011
Acetophenone	98-86-2	N	UG/L		<0.5	<1.2	<1.2	<0.63	<2	<0.5
Aniline	62-53-3	N	UG/L		<0.5	<0.86	<0.86	<0.61		<0.5
Anthracene	120-12-7	N	UG/L		<0.011	<0.96	<0.96	<0.015	<0.9	<0.011
Benzaldehyde	100-52-7	N	UG/L			<2	<2		<0.9	
Benzidine	92-87-5	N	UG/L			<0.44	<0.44	<1.3		
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.011	<0.89	<0.89	<0.008	<0.9	<0.011
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.011	<1.2	<1.2	<0.0075	<0.9	<0.011
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<0.65	<0.65	<0.011	<0.9	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.011	<1.4	<1.4	<0.007	<0.9	<0.011
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.011	<0.67	<0.67	<0.0075	<0.9	<0.011
Benzoic Acid	65-85-0	N	UG/L			<20	<20			

Summary of Analytical Results - Water Supply Wells
Former DuPont Brevard Facility
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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L		<11	<1.7	<1.7	<1.1		<11
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.5					<0.5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L			<0.93	<0.93	<0.89	<0.9	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.5	<0.79	<0.79	<0.93	<0.9	<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.5	<0.86	<0.86	<0.57	<0.9	<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<0.77	<0.77	<1.1	<2	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<1.6	<1.6	<0.97	<2	<2
Caprolactam	105-60-2	N	UG/L						<5	
Carbazole	86-74-8	N	UG/L			<0.77	<0.77	<0.5	<0.9	
Chlorobenzilate	510-15-6	N	UG/L		<3	<0.75	<0.75	<0.95		<3
Chrysene	218-01-9	N	UG/L		<0.011	<0.93	<0.93	<0.009	<0.9	<0.011
Diallate	2303-16-4	N	UG/L		<1	<0.43	<0.43	<0.63		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.011	<0.67	<0.67	<0.01	<0.9	<0.011
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.94	<0.94	<0.87	<0.9	<0.5
Diethyl Phthalate	84-66-2	N	UG/L		<2	<1.2	<1.2	<0.99	<2	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<1.8	<1.8	<0.97	<2	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<0.86	<0.86	<1.1	<2	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.5	<0.92	<0.92	<0.76		<0.5
Fluoranthene	206-44-0	N	UG/L		<0.011	<0.74	<0.74	<0.0085	<0.9	<0.011
Fluorene	86-73-7	N	UG/L		<0.011	<0.85	<0.85	0.0091 J	<0.9	<0.011
Hexachlorobenzene	118-74-1	N	UG/L		<0.1	<0.82	<0.82	<0.94	<0.9	<0.1
Hexachlorobutadiene	87-68-3	N	UG/L		<0.5	<0.89	<0.89	<0.81	<0.9	<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<0.57 R	<0.57 R	<1.3	<5	<5
Hexachloroethane	67-72-1	N	UG/L		<1	<0.91	<0.91	<0.57	<0.9	<1
Hexachloropropylene	1888-71-7	N	UG/L		<2	<0.91	<0.91	<0.57		<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.011	<0.59	<0.59	<0.0095	<0.9	<0.011
Isodrin	465-73-6	N	UG/L		<0.5	<0.78	<0.78	<0.92		<0.5
Isophorone	78-59-1	N	UG/L		<0.5	<0.48	<0.48	<0.96	<0.9	<0.5
Isosafrole	120-58-1	N	UG/L		<2	<1.6	<1.6	<0.96		<2
Methapyrilene	91-80-5	N	UG/L		<16	<0.98	<0.98	<1.2		<16
Methyl Cyclohexane	108-87-2	N	UG/L						<0.1	
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<0.78	<0.78	<0.22		<1
Naphthalene	91-20-3	N	UG/L		<0.033	<0.9	<0.9	0.0067 B	<0.9	<0.032
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<0.69	<0.69	<0.89	<2	<2
Nitrobenzene	98-95-3	N	UG/L		<0.5	<1.1	<1.1	<0.76	<0.9 UJ	<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<0.62	<0.62	<1.3		<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.5	<0.86	<0.86	<1.3		<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<0.56	<0.56	<1.3		<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<0.84	<0.84	<1.1		<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.5	<0.87	<0.87	<0.95	<0.9	<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.5	<0.76	<0.76	<0.89	<2	<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<1.8	<1.8	<0.58		<2

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.5	<1	<1	<0.67		<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.5	<0.78	<0.78	<0.63		<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<8.1	<8.1	<0.88		<2
O-Toluidine	95-53-4	N	UG/L		<0.5	<0.9	<0.9	<0.63		<0.5
para-Phenylenediamine	106-50-3	N	UG/L		<82	<32 R	<32 R	<13 R		<79
Pentachlorobenzene	608-93-5	N	UG/L		<0.5	<0.83	<0.83	<0.76		<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<0.74	<0.74	<0.89		<2
Pentachlorophenol	87-86-5	N	UG/L		<1	<3.2	<3.2	<1.1	<3	<1
Phenacetin	62-44-2	N	UG/L		<0.5	<0.89	<0.89	<0.98		<0.5
Phenanthrene	85-01-8	N	UG/L		<0.033	<0.74	<0.74	<0.023	<0.9	<0.032
Phenol	108-95-2	N	UG/L		<0.5	4.6 J	4.4 J	<0.65	<0.9	<0.5
Pyrene	129-00-0	N	UG/L		<0.011	<0.85	<0.85	<0.0075	<0.9	<0.011
Pyridine	110-86-1	N	UG/L		<2	<0.5	<0.5	<0.81		<2
Safrole	94-59-7	N	UG/L		<2	<0.96	<0.96	<0.81		<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<0.84	<0.84	<0.9		<1
Thionazin	297-97-2	N	UG/L		<2	<0.93	<0.93	<1.2		<2
Dimethoate	60-51-5	N	UG/L		<3	<1.5	<1.5	<1.2		<3
Atrazine	1912-24-9	N	UG/L						<2	
Pronamide	23950-58-5	N	UG/L		<0.5	<0.87	<0.87	<0.92		<0.5
<i>Dowtherm</i>										
Biphenyl	92-52-4	N	UG/L		<0.5	<2 UJ	<2 UJ		<0.9	<0.5
Diphenyl Ether	101-84-8	N	UG/L		<0.5	<0.97	<0.97		<0.9	<0.5
<i>Glycols</i>										
Diethylene Glycol	111-46-6	N	UG/L		<8000					<8000
Ethylene Glycol	107-21-1	N	UG/L		<8000					<8000
Propylene Glycol	57-55-6	N	UG/L		<8000					<8000
Triethylene Glycol	112-27-6	N	UG/L		<8000					<8000
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<0.330	<2.20	<2.20	9.60 J	<9.70	<0.330
Arsenic	7440-38-2	N	UG/L		<0.820	4.20 J	<2.90	<4.40	<1	<0.820
Barium	7440-39-3	N	UG/L		4.90 B	0.840 J	<0.20	10 J	<0.600	<0.330
Beryllium	7440-41-7	N	UG/L		<0.670	0.70 B	0.60 B	<0.50	<0.900	<0.670
Cadmium	7440-43-9	N	UG/L		<0.170	<0.50	<0.50	0.340 J	<200	<0.170
Chromium	7440-47-3	N	UG/L		1.50 J	70 J	1.10 J	1.30 B	<300	<1.30
Cobalt	7440-48-4	N	UG/L		<100	<10	<10	<0.70	<2.10	<100
Copper	7440-50-8	N	UG/L		3.40 J	7.7	3.90 J	<1.90	4.50 B	<2.80
Iron	7439-89-6	N	UG/L		24400.00				72.80 B	<33.40
Lead	7439-92-1	N	UG/L		1.10 J	7.4	<1.90	3.9	<6.90	1.30 J
Manganese	7439-96-5	N	UG/L		21.3				4.30 J	<0.830
Mercury	7439-97-6	N	UG/L		<0.0600	<0.10	<0.10	<0.10	<0.1220	<0.0600
Nickel	7440-02-0	N	UG/L		<1.60	4.80 J	1.60 J	2.30 B	<5.60	<1.60
Selenium	7782-49-2	N	UG/L		<4.80	<2.20	<2.20	<4.50	<10.70	<4.80

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-CMPGND	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3	WSW-DSF3
				Field Sample ID	SSP14-GW-WSW-CMPGND	17520087	17520089	18566685	21430389	SSP14-GW-WSW-DSF3
				Sample Name		BRE-G-WSW-DSF3A	BRE-G-WSW-DSF3B	BRE-G-WSW-DSF3	BRE-G-WSW-DSF3	
				Date Sampled	12/19/2014	01/23/2007	01/23/2007	09/20/2007	02/17/2009	12/16/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	N	UG/L		<1.80	<0.50	<0.50	<0.90	<2.20	<1.80
Thallium	7440-28-0	N	UG/L		<0.150	<4.30 UJ	<4.30 UJ	<7.30	<1400	<0.150
Tin	7440-31-5	N	UG/L		<2.40	<2.90	<2.90	9.20 J		<2.40
Vanadium	7440-62-2	N	UG/L		2.10 J	1.90 J	0.950 J	0.980 J	<2.50	<1.90
Zinc	7440-66-6	N	UG/L		16.50 J	2980	2220	1950	3500	8410
<i>Miscellaneous</i>										
Fecal Coliform	EVS0238	N	MPN/100mL			<1.1	<1.1			
Diallate (cis Isomer)	EVS0487	N	UG/L			<0.43	<0.43	<0.6		
Diallate (trans Isomer)	EVS0488	N	UG/L			<0.47	<0.47	<0.54		

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.12	<0.1	<0.1	<0.1		<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L				<0.2				
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.1		<0.3	<0.3		<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.1	<0.2	<0.2	<0.5		<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<0.1	<0.1	<0.5	<1		<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<0.1	<0.1	<0.5	<1		<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<0.1	<0.1	<0.5	<1		<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0		<0.5
Acetone	67-64-1	N	UG/L		<3.0	1.6 B	3.8 B	<3.0	<3.0		3.0 B
Acetonitrile	75-05-8	N	UG/L		<7.0	<0.23		<7.0	<7.0		<0.23
Acrolein	107-02-8	N	UG/L		<40			<40	<40		
Acrylonitrile	107-13-1	N	UG/L		<4			<4	<4		
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.32		<0.1	<0.1		<0.32
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Bromochloromethane	74-97-5	N	UG/L					<0.1			
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.15	<0.1	<0.1	<0.1		<0.15
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1	<0.4	<0.4	<0.1		<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Chloroform	67-66-3	N	UG/L		<0.1	0.39 B	<0.1	<0.1	<0.1		<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1		<0.1	<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Cumene	98-82-8	N	UG/L				<0.1				
Cyclohexane	110-82-7	N	UG/L				<0.1				
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.13	<0.1	<0.1	<0.1		<0.13
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<1		<0.1	<0.1		<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1		<0.1	<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<7.7		<10	<10		<7.7

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L			<0.2					<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1		<1.0	<1.0		<1
Methyl Acetate	79-20-9	N	UG/L				<0.3				
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.47	<0.1	<0.1	<0.1		<0.47
Methyl Chloride	74-87-3	N	UG/L		0.1 J	<0.1	<0.2	<0.2	<0.1		<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0		<0.5
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<0.5	<1.0	<1.0	<1.0		<0.5
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<1		<0.1	<0.1		<1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L				<0.1				
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1		<0.1	<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	0.18 B	<0.2	<0.2	<0.2		0.19 B
Ortho-Xylene	95-47-6	N	UG/L			<0.1					<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.1		<0.2	<0.2		<0.1
Propionitrile	107-12-0	N	UG/L		<2.0	<5		<2.0	<2.0		<5
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.11	<0.1	<0.1	<0.1		<0.11
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<4		<1.0	<1.0		<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2		<0.2	<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.002	<0.010	<0.010	<0.010		<0.002
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1		<0.1
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<0.74		<0.5	<2		<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<0.79	<0.1	<0.5	<1		<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1.2			<1		<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<1.1		<5	<5		<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<1		<2	<2		<0.94
1,4-Dioxane	123-91-1	N	UG/L		<1	<2.5	<1	<1	<1		<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<0.24		<25 R	<10 R		<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<0.016			<1		<0.015
1-Naphthylamine	134-32-7	N	UG/L		<5	<0.74		<5	<5		<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<0.96		<0.5	<2		<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1.1	<1	<0.5	<1		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1.1	<1	<0.5	<1		<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<0.89	<1	<0.5	<1		<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1.2	<3	<0.5	<1		<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<2.7	<19	<10	<20		<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1.2	<1	<1	<1		<1.1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<0.84		<0.5	<2		<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<0.96	<1	<0.5	<1		<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<1.1		<2	<2		<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<0.96	<2	<0.4	<1		<0.88
2-Chlorophenol	95-57-8	N	UG/L		<1	<0.63	<1	<0.5	<1		<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<0.01	<1	<0.010	<1		<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<0.95	<1	<0.5	<1		<0.88
2-Naphthylamine	91-59-8	N	UG/L		<5	<0.77		<5	<5		<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1	<1.3	<1	<0.5	<1		<1.2
2-Nitrophenol	88-75-5	N	UG/L		<1	<0.69	<1	<0.5	<1		<0.64
2-Picoline	109-06-8	N	UG/L		<2	<0.85		<2	<2		<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<0.99	<2	<2	<1		<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<1.4		<25	<10		<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<0.84		<0.5	<2		<0.78
3-Nitroaniline	99-09-2	N	UG/L		<1	<0.89	<1	<0.5	<1		<0.82
4,4'-Methylenebis-(2-Chlorobenzeneamine)	101-14-4	N	UG/L		<5 UJ				<5 UJ		
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<0.82	<5	<5	<5		<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<0.59		<0.5	<2		<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<0.98	<1	<0.5	<1		<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1.2	<1	<0.5	<1		<1.1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1.1	<1	<0.5	<1		<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<0.99	<2	<0.5	<1		<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<0.8		<0.5	<2		<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<1	<2	<0.5	<2		<0.93 UJ
4-Nitroaniline	100-01-6	N	UG/L		<1	<0.99	<1	<0.5	<1		<0.92
4-Nitrophenol	100-02-7	N	UG/L		<10	<0.81	<10	<10	<10		<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<0.65		<20	<20		<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<0.94		<0.5	<3		<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<0.78		<0.5	<2		<0.72
Acenaphthene	83-32-9	N	UG/L		<1	<0.0086	<1	<0.010	<1		<0.008
Acenaphthylene	208-96-8	N	UG/L		<1	<0.0097	<1	<0.010	<1		<0.009
Acetophenone	98-86-2	N	UG/L		<2	<0.68	<2	<0.5	<2		<0.63
Aniline	62-53-3	N	UG/L		<1	<0.66		<0.5	<1		<0.61
Anthracene	120-12-7	N	UG/L		<1	<0.016	<1	<0.010	<1		<0.015
Benzaldehyde	100-52-7	N	UG/L		<1		<1		<1 UJ		
Benzidine	92-87-5	N	UG/L		<19	<1.4			<20		<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	0.031 J	<1	<0.010	<1		<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	0.039 J	<1	<0.010	<1		<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	0.038 J	<1	<0.010	<1		<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	0.047 J	<1	<0.010	<1		<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	0.026 J	<1	<0.010	<1		<0.0075
Benzoic Acid	65-85-0	N	UG/L		<6				<6		

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L		<5	<1.2		<10	<5		<1.1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1			<0.5	<1		
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L			<0.97	<1				<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<1	<0.5	<1		<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<0.61	<1	<0.5	<1		<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<1.1	<2	<2	<2		<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<1	<2	<2	<2		<0.97
Caprolactam	105-60-2	N	UG/L				<5				
Carbazole	86-74-8	N	UG/L		<1	<0.54	<1		<1		<0.5
Chlorobenzilate	510-15-6	N	UG/L		<3	<1		<3	<3		<0.95
Chrysene	218-01-9	N	UG/L		<1	0.038 J	<1	<0.010	<1		<0.009
Diallate	2303-16-4	N	UG/L		<1	<0.68		<1	<1		<0.63
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	0.039 J	<1	<0.010	<1		<0.01
Dibenzofuran	132-64-9	N	UG/L		<1	<0.94	<1	<0.5	<1		<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<2	<1.1	<2	<2	<2		<0.99
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<1	<2	<2	<2		<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<1.2	<2	<2	<2		<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<0.82		<0.5	<2		<0.76
Fluoranthene	206-44-0	N	UG/L		<1	0.010 J	<1	<0.010	<1		<0.0085
Fluorene	86-73-7	N	UG/L		<1	<0.007	<1	<0.010	<1		<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<1	<0.1	<1		<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<0.88	<1	<0.5	<1		<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<1.4	<5	<5	<5		<1.3
Hexachloroethane	67-72-1	N	UG/L		<1	<0.62	<1	<1	<1		<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<2	<0.62		<2	<2		<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	0.037 J	<1	<0.010	<1		<0.0095
Isodrin	465-73-6	N	UG/L		<1	<0.99		<0.5	<1		<0.92
Isophorone	78-59-1	N	UG/L		<1	<1	<1	<0.5	<1		<0.96
Isosafrole	120-58-1	N	UG/L		<1	<1		<2	<1		<0.96
Methapyrilene	91-80-5	N	UG/L		<3 R	<1.3 UJ		<15	<3 R		<1.2 UJ
Methyl Cyclohexane	108-87-2	N	UG/L				<0.1				
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<0.24		<1	<1		<0.22
Naphthalene	91-20-3	N	UG/L		<1	0.0085 B	<1	<0.030	<1		0.0098 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<0.97	<2	<2	<2		<0.89
Nitrobenzene	98-95-3	N	UG/L		<1	<0.82	<1 UJ	<0.5	<1		<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<1.4		<2	<2		<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<1.4		<0.5	<2		<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<1.4		<2	<2		<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<1.2		<2	<2		<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<1	<0.5	<1		<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<0.96	<2	<0.5	<2		<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<0.63		<2	<2		<0.58

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<0.72		<0.5	<2		<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<0.68		<0.5	<2		<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<0.95		<2	<2		<0.88
O-Toluidine	95-53-4	N	UG/L		<1	<0.68		<0.5	<1		<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<57 R	<14 R		<76	<60 R		<13 R
Pentachlorobenzene	608-93-5	N	UG/L		<2	<0.83		<0.5	<2		<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<0.97		<2	<2		<0.89
Pentachlorophenol	87-86-5	N	UG/L		<3	<1.2	<3	<1	<3		<1.1
Phenacetin	62-44-2	N	UG/L		<2	<1.1		<0.5	<2		<0.98
Phenanthrene	85-01-8	N	UG/L		<1	<0.025	<1	<0.030	<1		<0.023
Phenol	108-95-2	N	UG/L		<1	<0.7	<1	<0.5	<1		<0.65
Pyrene	129-00-0	N	UG/L		<1	0.010 J	<1	<0.010	<1		<0.0075
Pyridine	110-86-1	N	UG/L		<2	<0.87		<2	<2		<0.81
Safrole	94-59-7	N	UG/L		<2	<0.88		<2	<2		<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<0.98		<1	<1		<0.9
Thionazin	297-97-2	N	UG/L		<2	<1.3		<2	<2		<1.2
Dimethoate	60-51-5	N	UG/L		<3	<1.3		<3	<3		<1.2
Atrazine	1912-24-9	N	UG/L				<2				
Pronamide	23950-58-5	N	UG/L		<1	<0.99		<0.5	<1		<0.92
<i>Dowtherm</i>											
Biphenyl	92-52-4	N	UG/L		<1		<1	<0.5	<1		
Diphenyl Ether	101-84-8	N	UG/L		<1		<1	<0.5	<1		
<i>Glycols</i>											
Diethylene Glycol	111-46-6	N	UG/L		<4200	<5300		<8000	<4200		<5300
Ethylene Glycol	107-21-1	N	UG/L		<5200	<5200		<8000	<5200		<5200 UJ
Propylene Glycol	57-55-6	N	UG/L		<3900	<9700		<8000	<3900		<9700
Triethylene Glycol	112-27-6	N	UG/L		<6900	<6300		<8000	<6900		<6300
<i>Inorganics</i>											
Antimony	7440-36-0	N	UG/L		<0.0900	<20	<9.70 UJ	<0.330	<0.0900		4.30 B
Arsenic	7440-38-2	N	UG/L		<0.0590	<4.40	<1	<0.820	0.0910 J		<4.40 UJ
Barium	7440-39-3	N	UG/L		1.80 B	<0.40	<0.600	0.540 B	2.20 B		2.50 J
Beryllium	7440-41-7	N	UG/L		<0.970	0.520 J	<0.900 UJ	<0.670	<0.970		<0.50 UJ
Cadmium	7440-43-9	N	UG/L		<0.760	<0.30	<200	<0.170	<0.760		<0.30 UJ
Chromium	7440-47-3	N	UG/L		0.420 B	<0.90	<300	<1.30	0.570 B		1.20 J
Cobalt	7440-48-4	N	UG/L		<200	<0.70	<2.10	<100	<200		0.880 J
Copper	7440-50-8	N	UG/L		77.1	<1.90	3.10 B	<2.80	66.5		94.30 J
Iron	7439-89-6	N	UG/L				2690	6770			
Lead	7439-92-1	N	UG/L		<1	<1.50	<6.90	0.340 J	<1		<1.50 UJ
Manganese	7439-96-5	N	UG/L				28.6	75.7			
Mercury	7439-97-6	N	UG/L		<0.0280	<0.10	05260 B	<0.0600	<0.0280		<0.10
Nickel	7440-02-0	N	UG/L		<3.10	1.20 B	<5.60	<1.60	<3.10		5.10 B
Selenium	7782-49-2	N	UG/L		<5.90	<4.50	<10.70	<4.80	<5.90		<4.50 UJ

Summary of Analytical Results - Water Supply Wells
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Analyte	CAS No.	Filtered	Units	Location ID	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-GUARD	WSW-VISIT	WSW-VISIT	WSW-VISIT
				Field Sample ID	13568772	18476804	21452289	SSP14-GW-WSW-GUARD	13568775	17540063	18476797
				Sample Name	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD	BRE-G-WSW-GUARD		BRE-G-WSW-VISIT	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT
				Date Sampled	08/18/2004	09/07/2007	02/19/2009	12/19/2014	08/18/2004	01/23/2007	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	N	UG/L		<200	<0.90 UJ	<2.20	<1.80	<200		<0.90 UJ
Thallium	7440-28-0	N	UG/L		<0.130	<7.30 UJ	<1400	<0.150	<0.130		<7.30 UJ
Tin	7440-31-5	N	UG/L		<500	7.30 J		<2.40	<500		<70 UJ
Vanadium	7440-62-2	N	UG/L		<1.60	<0.60	<2.50 UJ	<1.90	<1.60		<0.60 UJ
Zinc	7440-66-6	N	UG/L		3200 B	11.80 B	<8.10	<200	8.40 B		27.30 B
<i>Miscellaneous</i>											
Fecal Coliform	EVS0238	N	MPN/100mL							<1.1	
Diallate (cis Isomer)	EVS0487	N	UG/L			<0.64					<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L			<0.58					<0.54

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-VISIT	WSW-VISIT	WSW-VISIT	WSW-WWT	WSW-WWT	WSW-WWT
				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2	<0.2				
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L				<0.3	<0.3	<0.3	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.5	<0.5	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.5	<1	<1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.5	<1	<1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.5	<1	<1	0.22 B
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	3.4 B
Acetonitrile	75-05-8	N	UG/L				<7.0	<7.0	<7.0	<0.23
Acrolein	107-02-8	N	UG/L				<40	<40	<40	
Acrylonitrile	107-13-1	N	UG/L				<4	<4	<4	
Allyl Chloride	107-05-1	N	UG/L				<0.1	<0.1	<0.1	<0.32
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L				<0.1			
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.15
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L				<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	0.5	0.4 J	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1	<0.1				
Cyclohexane	110-82-7	N	UG/L		<0.1	<0.1				
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.13
Ethyl Methacrylate	97-63-2	N	UG/L				<0.1	<0.1	<0.1	<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L				<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L				<10	<10	<10	<7.7

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-VISIT	WSW-VISIT	WSW-VISIT	WSW-WWT	WSW-WWT	WSW-WWT
				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
Meta- And Para-Xylene	EVS0253	N	UG/L							<0.2
Methacrylonitrile	126-98-7	N	UG/L				<1.0	<1.0	<1.0	<1
Methyl Acetate	79-20-9	N	UG/L		<0.3	<0.3				
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.47
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<0.5
Methyl Methacrylate	80-62-6	N	UG/L				<0.1	<0.1	<0.1	<1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1	<0.1				
Methylene Bromide	74-95-3	N	UG/L				<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	0.21 B
Ortho-Xylene	95-47-6	N	UG/L							<0.1
Pentachloroethane	76-01-7	N	UG/L				<0.2	<0.2	<0.2	<0.1
Propionitrile	107-12-0	N	UG/L				<2.0	<2.0	<2.0	<5
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.11
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L				<1.0	<1.0	<1.0	<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	1.6	1.5	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L				<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.002
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L				<0.5	<2	<2	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1	<0.1	<0.5	<1	<1	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L					<1	<1	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L				<5	<5	<5	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L				<2	<2	<2	<0.94
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1	<1	<1	<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L				<25 R	<10 R	<10 R	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L					<1	<1	<0.015
1-Naphthylamine	134-32-7	N	UG/L				<5	<5	<5	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L				<0.5	<2	<2	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<0.5	<1	<1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1	<0.5	<1	<1	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1	<0.5	<1	<1	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3	<0.5	<1	<1	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<20	<19	<10	<19	<19	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1	<1	<1	<1	<1.1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-VISIT	WSW-VISIT	WSW-VISIT	WSW-WWT	WSW-WWT	WSW-WWT
				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
2,6-Dichlorophenol	87-65-0	N	UG/L				<0.5	<2	<2	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1	<0.5	<1	<1	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L				<2	<2	<2	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<2	<2	<0.4	<1	<1	<0.88
2-Chlorophenol	95-57-8	N	UG/L		<1	<1	<0.5	<1	<1	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1	<0.010	<1	<1	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1	<0.5	<1	<1	<0.88
2-Naphthylamine	91-59-8	N	UG/L				<5	<5	<5	<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1	<1	<0.5	<1	<1	<1.2
2-Nitrophenol	88-75-5	N	UG/L		<1	<1	<0.5	<1	<1	<0.64
2-Picoline	109-06-8	N	UG/L				<2	<2	<2	<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2	<2	<2	<1	<1	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L				<25	<10	<10	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L				<0.5	<2	<2	<0.78
3-Nitroaniline	99-09-2	N	UG/L		<1	<1	<0.5	<1	<1	<0.82
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L					<5 UJ	<5 UJ	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5	<5	<5	<5	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L				<0.5	<2	<2	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1	<0.5	<1	<1	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1	<0.5	<1	<1	<1.1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1	<0.5	<1	<1	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2	<2	<0.5	<1	<1	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L				<0.5	<2	<2	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2	<0.5	<2	<2	<0.93
4-Nitroaniline	100-01-6	N	UG/L		<1	<1	<0.5	<1	<1	<0.92
4-Nitrophenol	100-02-7	N	UG/L		<10	<10	<10	<10	<10	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L				<20	<19	<19	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L				<0.5	<3	<3	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L				<0.5	<2	<2	<0.72
Acenaphthene	83-32-9	N	UG/L		<1	<1	<0.010	<1	<1	<0.008
Acenaphthylene	208-96-8	N	UG/L		<1	<1	<0.010	<1	<1	<0.009
Acetophenone	98-86-2	N	UG/L		<2	<2	<0.5	<2	<2	<0.63
Aniline	62-53-3	N	UG/L				<0.5	<1	<1	<0.61
Anthracene	120-12-7	N	UG/L		<1	<1	<0.010	<1	<1	<0.015
Benzaldehyde	100-52-7	N	UG/L		<1	<1		<1	<1	
Benzidine	92-87-5	N	UG/L					<19	<19	<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1	<0.010	<1	<1	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1	<0.010	<1	<1	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1	<0.010	<1	<1	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1	<0.010	<1	<1	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1	<0.010	<1	<1	<0.0075
Benzoic Acid	65-85-0	N	UG/L					<6	<6	

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-VISIT	WSW-VISIT	WSW-VISIT	WSW-WWT	WSW-WWT	WSW-WWT
				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
Benzyl Alcohol	100-51-6	N	UG/L				<10	<5	<5	<1.1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L				<0.5	<1	<1	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1				<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1	<0.5	<1	<1	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1	<0.5	<1	<1	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2	<2	<2	<2	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2	<2	<2	<2	<0.97
Caprolactam	105-60-2	N	UG/L		<5	<5				
Carbazole	86-74-8	N	UG/L		<1	<1		<1	<1	<0.5
Chlorobenzilate	510-15-6	N	UG/L				<3	<3	<3	<0.95
Chrysene	218-01-9	N	UG/L		<1	<1	<0.010	<1	<1	<0.009
Diallate	2303-16-4	N	UG/L				<1	<1	<1	<0.63
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1	<0.010	<1	<1	<0.01
Dibenzofuran	132-64-9	N	UG/L		<1	<1	<0.5	<1	<1	<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2	<2	<2	<2	<0.99
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2	<2	<2	<2	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2	<2	<2	<2	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L				<0.5	<2	<2	<0.76
Fluoranthene	206-44-0	N	UG/L		<1	<1	<0.010	<1	<1	<0.0085
Fluorene	86-73-7	N	UG/L		<1	<1	<0.010	<1	<1	<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1	<0.1	<1	<1	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1	<0.5	<1	<1	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5	<5	<5	<5	<1.3
Hexachloroethane	67-72-1	N	UG/L		<1	<1	<1	<1	<1	<0.57
Hexachloropropylene	1888-71-7	N	UG/L				<2	<2	<2	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1	<0.010	<1	<1	<0.0095
Isodrin	465-73-6	N	UG/L				<0.5	<1	<1	<0.92
Isophorone	78-59-1	N	UG/L		<1	<1	<0.5	<1	<1	<0.96
Isosafrole	120-58-1	N	UG/L				<2	<1	<1	<0.96
Methapyrilene	91-80-5	N	UG/L				<15	<3 R	<3 R	<1.2 UJ
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1	<0.1				
Methyl Methanesulfonate	66-27-3	N	UG/L				<1	<1	<1	<0.22
Naphthalene	91-20-3	N	UG/L		<1	<1	<0.030	<1	<1	0.011 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2	<2	<2	<2	<0.89
Nitrobenzene	98-95-3	N	UG/L		<1	<1	<0.5	<1	<1	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L				<2	<2	<2	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L				<0.5	<2	<2	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L				<2	<2	<2	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L				<2	<2	<2	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1	<0.5	<1	<1	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2	<0.5	<2	<2	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L				<2	<2	<2	<0.58

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				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
N-Nitrosopiperidine	100-75-4	N	UG/L				<0.5	<2	<2	<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L				<0.5	<2	<2	<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L				<2	<2	<2	<0.88
O-Toluidine	95-53-4	N	UG/L				<0.5	<1	<1	<0.63
para-Phenylenediamine	106-50-3	N	UG/L				<76	<57 R	<57 R	<13 R
Pentachlorobenzene	608-93-5	N	UG/L				<0.5	<2	<2	<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L				<2	<2	<2	<0.89
Pentachlorophenol	87-86-5	N	UG/L		<3	<3	<1	<3	<3	<1.1
Phenacetin	62-44-2	N	UG/L				<0.5	<2	<2	<0.98
Phenanthrene	85-01-8	N	UG/L		<1	<1	<0.030	<1	<1	<0.023
Phenol	108-95-2	N	UG/L		<1	<1	<0.5	<1	<1	<0.65
Pyrene	129-00-0	N	UG/L		<1	<1	<0.010	<1	<1	<0.0075
Pyridine	110-86-1	N	UG/L				<2	<2	<2	<0.81
Safrole	94-59-7	N	UG/L				<2	<2	<2	<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L				<1	<1	<1	<0.9
Thionazin	297-97-2	N	UG/L				<2	<2	<2	<1.2
Dimethoate	60-51-5	N	UG/L				<3	<3	<3	<1.2
Atrazine	1912-24-9	N	UG/L		<2	<2				
Pronamide	23950-58-5	N	UG/L				<0.5	<1	<1	<0.92
<i>Dowtherm</i>										
Biphenyl	92-52-4	N	UG/L		<1	<1	<0.5	<1	<1	
Diphenyl Ether	101-84-8	N	UG/L		<1	<1	<0.5	<1	<1	
<i>Glycols</i>										
Diethylene Glycol	111-46-6	N	UG/L				<8000	<4200	<4200	<5300
Ethylene Glycol	107-21-1	N	UG/L				<8000	<5200	<5200	<5200
Propylene Glycol	57-55-6	N	UG/L				<8000	<3900	<3900	<9700
Triethylene Glycol	112-27-6	N	UG/L				<8000	<6900	<6900	<6300
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<9.70	<9.70	<0.330	<0.0900	<0.0900	<20
Arsenic	7440-38-2	N	UG/L		<1	<1	<0.820	0.0590 J	0.0870 J	<4.40
Barium	7440-39-3	N	UG/L		0.690 B	<0.600	0.360 B	1.80 B	1.90 B	0.860 J
Beryllium	7440-41-7	N	UG/L		<0.900	<0.900	<0.670	<0.970	<0.970	<0.50
Cadmium	7440-43-9	N	UG/L		<200	<200	<0.170	<0.760	<0.760	<0.30
Chromium	7440-47-3	N	UG/L		<300	<300	<1.30	0.560 B	0.530 B	<0.90
Cobalt	7440-48-4	N	UG/L		<2.10	<2.10	<100	<200	<200	<0.70
Copper	7440-50-8	N	UG/L		2090	2190	2900	25.3	22.5	<1.90
Iron	7439-89-6	N	UG/L		<52.20	<52.20	<33.40			
Lead	7439-92-1	N	UG/L		<6.90	<6.90	0.590 J	<1	<1	<1.50
Manganese	7439-96-5	N	UG/L		<0.840	<0.840	<0.830			
Mercury	7439-97-6	N	UG/L		01960 J	<01220	<0.0600	<0.0280	<0.0280	<0.10
Nickel	7440-02-0	N	UG/L		<5.60	<5.60	<1.60	<3.10	<3.10	0.760 B
Selenium	7782-49-2	N	UG/L		<10.70	<10.70	<4.80	<5.90	<5.90	<4.50

Summary of Analytical Results - Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-VISIT	WSW-VISIT	WSW-VISIT	WSW-WWT	WSW-WWT	WSW-WWT
				Field Sample ID	21424155	21424156	SSP14-GW-WSW-VISIT	13568767	13568769	18476799
				Sample Name	BRE-G-WSW-VISIT	BRE-G-WSW-VISIT-DUP		BRE-G-WSW-WWT	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT
				Date Sampled	02/16/2009	02/16/2009	12/16/2014	08/18/2004	08/18/2004	09/07/2007
				Sample Purpose	FS	DUP	FS	FS	DUP	FS
Silver	7440-22-4	N	UG/L		<2.20	<2.20	<1.80	<200	<200	<0.90 UJ
Thallium	7440-28-0	N	UG/L		<1400	<1400	<0.150	<0.130	<0.130	<7.30 UJ
Tin	7440-31-5	N	UG/L				<2.40	<500	<500	<70
Vanadium	7440-62-2	N	UG/L		<2.50	<2.50	<1.90	<1.60	<1.60	<0.60
Zinc	7440-66-6	N	UG/L		<8.10	20.3	1400 J	10.90 B	5.10 B	5.70 B
<i>Miscellaneous</i>										
Fecal Coliform	EVS0238	N	MPN/100mL							
Diallate (cis Isomer)	EVS0487	N	UG/L							<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L							<0.54

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>										
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.12	<0.1	<0.1	<0.1	<0.12	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L			<0.2				<0.2
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.1		<0.3	<0.3	<0.1	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1	<0.2	<0.2	<0.5	<0.1	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.5	<1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.5	<1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		0.22 B	<0.1	<0.5	<1	0.12 B	<0.1
2-Hexanone	591-78-6	N	UG/L		<0.5	<1.0	<1.0	<1.0	<0.5	<1.0
Acetone	67-64-1	N	UG/L		1.8 B	3.2 B	3.4 J	<3.0	1.4 B	<3.0
Acetonitrile	75-05-8	N	UG/L		<0.23		<7.0	<7.0	<0.23	
Acrolein	107-02-8	N	UG/L				<40	<40		
Acrylonitrile	107-13-1	N	UG/L				<4	<4		
Allyl Chloride	107-05-1	N	UG/L		<0.32		<0.1	<0.1	<0.32	
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L				<0.1			
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.15	<0.1	<0.1	0.2 J	<0.15	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.4	<0.4	<0.1	<0.1	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L			<0.1				<0.1
Cyclohexane	110-82-7	N	UG/L			<0.1				<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.13	<0.1	<0.1	<0.1	<0.13	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<1		<0.1	<0.1	<1	
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1		<0.1	<0.1	<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7		<10	<10	<7.7	

Summary of Analytical Results - Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2				<0.2	
Methacrylonitrile	126-98-7	N	UG/L		<1		<1.0	<1.0	<1	
Methyl Acetate	79-20-9	N	UG/L			<0.3				<0.3
Methyl Bromide	74-83-9	N	UG/L		<0.47	<0.1	<0.1	<0.1	<0.47	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.2	<0.2	<0.1	<0.1	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.5	<1.0	<1.0	<1.0	<0.5	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.5	<1.0	<1.0	<1.0	<0.5	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<1		<0.1	<0.1	<1	
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L			<0.1				<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1		<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		0.17 B	<0.2	<0.2	<0.2	0.19 B	<0.2
Ortho-Xylene	95-47-6	N	UG/L		<0.1				<0.1	
Pentachloroethane	76-01-7	N	UG/L		<0.1		<0.2	<0.2	<0.1	
Propionitrile	107-12-0	N	UG/L		<5		<2.0	<2.0	<5	
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.11	<0.1	<0.1	<0.1	<0.11	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4		<1.0	<1.0	<4	
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2		<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.002	<0.010	<0.010	<0.010	<0.002	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>										
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69		<0.5	<2	<0.72	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73	<0.1	<0.5	<1	<0.77	<0.1
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1			<1	<1.1	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1		<5	<5	<1	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94		<2	<2	<0.99	
1,4-Dioxane	123-91-1	N	UG/L		<2.5	<1	<1	<1	<2.5	<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22		<25 R	<10 UJ	<0.24	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015			<1	<0.016	
1-Naphthylamine	134-32-7	N	UG/L		<0.68		<5	<5	<0.72	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89		<0.5	<2	<0.94	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1	<0.5	<1	<1.1	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98	<1	<0.5	<1	<1	<1
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82	<1	<0.5	<1	<0.86	<1
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2	<3	<0.5	<1	<1.2	<3
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5	<19	<10	<19	<2.6	<19
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1	<1	<1	<1	<1.1	<1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78		<0.5	<2	<0.82	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88	<1	<0.5	<1	<0.93	<1
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99		<2	<2	<1	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88	<2	<0.4	<1	<0.93	<2
2-Chlorophenol	95-57-8	N	UG/L		<0.58	<1	<0.5	<1	<0.61	<1
2-Methylnaphthalene	91-57-6	N	UG/L		<0.0095	<1	<0.010	<1	<0.01	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88	<1	<0.5	<1	<0.92	<1
2-Naphthylamine	91-59-8	N	UG/L		<0.71		<5	<5	<0.75	
2-Nitroaniline	88-74-4	N	UG/L		<1.2	<1	<0.5	<1	<1.2	<1
2-Nitrophenol	88-75-5	N	UG/L		<0.64	<1	<0.5	<1	<0.67	<1
2-Picoline	109-06-8	N	UG/L		<0.79		<2	<2	<0.83	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92	<2	<2	<1	<0.97	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3		<25	<10	<1.3	
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78		<0.5	<2	<0.82	
3-Nitroaniline	99-09-2	N	UG/L		<0.82	<1	<0.5	<1	<0.87	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L					<5 UJ		
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76	<5	<5	<5	<0.8	<5
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55		<0.5	<2	<0.57	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9	<1	<0.5	<1	<0.95	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1	<1	<0.5	<1	<1.1	<1
4-Chloroaniline	106-47-8	N	UG/L		<0.99	<1	<0.5	<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92	<2	<0.5	<1	<0.96	<2
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74		<0.5	<2	<0.78	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93	<2	<0.5	<2	<0.97	<2
4-Nitroaniline	100-01-6	N	UG/L		<0.92	<1	<0.5	<1	<0.96	<1
4-Nitrophenol	100-02-7	N	UG/L		<0.75	<10	<10	<10	<0.79	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6		<20	<19	<0.63	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87		<0.5	<3	<0.91	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72		<0.5	<2	<0.76	
Acenaphthene	83-32-9	N	UG/L		<0.008	<1	<0.010	<1	<0.0084	<1
Acenaphthylene	208-96-8	N	UG/L		<0.009	<1	<0.010	<1	<0.0095	<1
Acetophenone	98-86-2	N	UG/L		<0.63	<2	<0.5	<2	<0.66	<2
Aniline	62-53-3	N	UG/L		<0.61		<0.5	<1	<0.64	
Anthracene	120-12-7	N	UG/L		<0.015	<1	<0.010	<1	<0.015	<1
Benzaldehyde	100-52-7	N	UG/L			<1		<1		<1
Benzidine	92-87-5	N	UG/L		<1.3			<19	<1.4	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008	<1	<0.010	<1	<0.0084	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075	<1	<0.010	<1	<0.0079	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011	<1	<0.010	<1	<0.012	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007	<1	<0.010	<1	<0.0074	<1
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075	<1	<0.010	<1	<0.0079	<1
Benzoic Acid	65-85-0	N	UG/L					<6		

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L		<1.1		<10	<5	<1.1	
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L				<0.5	<1		
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89	<1			<0.94	<1
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93	<1	<0.5	<1	<0.97	<1
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57	<1	<0.5	<1	<0.59	<1
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1	<2	<2	<2	<1.1	<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97	<2	<2	<2	<1	<2
Caprolactam	105-60-2	N	UG/L			<5				<5
Carbazole	86-74-8	N	UG/L		<0.5	<1		<1	<0.53	<1
Chlorobenzilate	510-15-6	N	UG/L		<0.95		<3	<3	<1	
Chrysene	218-01-9	N	UG/L		<0.009	<1	<0.010	<1	<0.0095	<1
Diallate	2303-16-4	N	UG/L		<0.63		<1	<1	<0.66	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01	<1	<0.010	<1	<0.011	<1
Dibenzofuran	132-64-9	N	UG/L		<0.87	<1	<0.5	<1	<0.92	<1
Diethyl Phthalate	84-66-2	N	UG/L		<0.99	<2	<2	<2	<1	<2
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97	<2	<2	<2	<1	<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1	<2	<2	<2	<1.1	<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76		<0.5	<2	<0.79	
Fluoranthene	206-44-0	N	UG/L		<0.0085	<1	<0.010	<1	<0.0089	<1
Fluorene	86-73-7	N	UG/L		<0.0065	<1	<0.010	<1	<0.0068	<1
Hexachlorobenzene	118-74-1	N	UG/L		<0.94	<1	<0.1	<1	<0.99	<1
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81	<1	<0.5	<1	<0.85	<1
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3	<5	<5	<5	<1.3	<5
Hexachloroethane	67-72-1	N	UG/L		<0.57	<1	<1	<1	<0.61	<1
Hexachloropropylene	1888-71-7	N	UG/L		<0.57		<2	<2	<0.6	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095	<1	<0.010	<1	<0.01	<1
Isodrin	465-73-6	N	UG/L		<0.92		<0.5	<1	<0.97	
Isophorone	78-59-1	N	UG/L		<0.96	<1	<0.5	<1	<1	<1
Isosafrole	120-58-1	N	UG/L		<0.96		<2	<1	<1	
Methapyrilene	91-80-5	N	UG/L		<1.2 UJ		<15	<3 R	<1.3 UJ	
Methyl Cyclohexane	108-87-2	N	UG/L			<0.1				<0.1
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22		<1	<1	<0.23	
Naphthalene	91-20-3	N	UG/L		0.010 B	<1	<0.030	<1	0.010 B	<1
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89	<2	<2	<2	<0.94	<2
Nitrobenzene	98-95-3	N	UG/L		<0.76	<1 UJ	<0.5	<1	<0.79	<1 UJ
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3		<2	<2	<1.3	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3		<0.5	<2	<1.3	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3		<2	<2	<1.3	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1		<2	<2	<1.2	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95	<1	<0.5	<1	<1	<1
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89	<2	<0.5	<2	<0.94	<2
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58		<2	<2	<0.61	

Summary of Analytical Results - Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67		<0.5	<2	<0.71	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63		<0.5	<2	<0.66	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88		<2	<2	<0.93	
O-Toluidine	95-53-4	N	UG/L		<0.63		<0.5	<1	<0.66	
para-Phenylenediamine	106-50-3	N	UG/L		<13 R		<76	<58 R	<13 R	
Pentachlorobenzene	608-93-5	N	UG/L		<0.76		<0.5	<2	<0.81	
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89		<2	<2	<0.94	
Pentachlorophenol	87-86-5	N	UG/L		<1.1	<3	<1	<3	<1.2	<3
Phenacetin	62-44-2	N	UG/L		<0.98		<0.5	<2	<1	
Phenanthrene	85-01-8	N	UG/L		<0.023	<1	<0.030	<1	<0.025	<1
Phenol	108-95-2	N	UG/L		<0.65	<1	<0.5	<1	<0.68	<1
Pyrene	129-00-0	N	UG/L		<0.0075	<1	<0.010	<1	<0.0079	<1
Pyridine	110-86-1	N	UG/L		<0.81		<2	<2	<0.85	
Safrole	94-59-7	N	UG/L		<0.81		<2	<2	<0.85	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9		<1	<1	<0.95	
Thionazin	297-97-2	N	UG/L		<1.2		<2	<2	<1.2	
Dimethoate	60-51-5	N	UG/L		<1.2		<3	<3	<1.3	
Atrazine	1912-24-9	N	UG/L			<2				<2
Pronamide	23950-58-5	N	UG/L		<0.92		<0.5	<1	<0.96	
<i>Dowtherm</i>										
Biphenyl	92-52-4	N	UG/L			<1	<0.5	<1		<1
Diphenyl Ether	101-84-8	N	UG/L			<1	<0.5	<1		<1
<i>Glycols</i>										
Diethylene Glycol	111-46-6	N	UG/L		<5300		<8000	<4200	<5300	
Ethylene Glycol	107-21-1	N	UG/L		<5200		<8000	<5200	<5200	
Propylene Glycol	57-55-6	N	UG/L		<9700		<8000	<3900	<9700	
Triethylene Glycol	112-27-6	N	UG/L		<6300		<8000	<6900	<6300	
<i>Inorganics</i>										
Antimony	7440-36-0	N	UG/L		<20	<9.70 UJ	<0.330	<0.0900	<20	<9.70 UJ
Arsenic	7440-38-2	N	UG/L		<4.40	<1	<0.820	0.150 J	<4.40	<1
Barium	7440-39-3	N	UG/L		10 J	1.20 J	2.90 B	0.880 B	1.10 J	2.20 J
Beryllium	7440-41-7	N	UG/L		<0.50	<0.900 UJ	<0.670	<0.970	<0.50	<0.900 UJ
Cadmium	7440-43-9	N	UG/L		0.330 J	<200	<0.170	<0.760	<0.30	<200
Chromium	7440-47-3	N	UG/L		<0.90	<300	300 J	1.30 B	10 J	<300
Cobalt	7440-48-4	N	UG/L		<0.70	<2.10	<100	<200	<0.70	<2.10
Copper	7440-50-8	N	UG/L		<1.90	5.10 B	<2.80	300 B	2.30 J	400 B
Iron	7439-89-6	N	UG/L			7900	86500.00			<52.20
Lead	7439-92-1	N	UG/L		<1.50	<6.90	0.190 J	<1	<1.50	<6.90
Manganese	7439-96-5	N	UG/L			28.1	4380			1.20 J
Mercury	7439-97-6	N	UG/L		<0.10	0170 B	<0.0600	<0.0280	<0.10	01680 B
Nickel	7440-02-0	N	UG/L		0.690 B	<5.60	<1.60	<3.10	0.810 B	<5.60
Selenium	7782-49-2	N	UG/L		<4.50	<10.70	17.10 J	7.30 J	<4.50	<10.70

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-WWT	WSW-WWT	WSW-WWT	WSW-YMCA	WSW-YMCA	WSW-YMCA
				Field Sample ID	18476800	21452285	SSP14-GW-WSW-WWT	13516893	18476806	21452291
				Sample Name	BRE-G-WSW-WWT-DUP	BRE-G-WSW-WWT		BRE-G-WSW-YMCA	BRE-G-WSW-YMCA	BRE-G-WSW-YMCA
				Date Sampled	09/07/2007	02/19/2009	12/18/2014	08/09/2004	09/07/2007	02/19/2009
				Sample Purpose	DUP	FS	FS	FS	FS	FS
Silver	7440-22-4	N	UG/L		<0.90 UJ	<2.20	<1.80	<200	<0.90 UJ	<2.20
Thallium	7440-28-0	N	UG/L		<7.30 UJ	<1400	<0.150	<0.130	<7.30 UJ	<1400
Tin	7440-31-5	N	UG/L		<70		6.70 J	<500	<70	
Vanadium	7440-62-2	N	UG/L		<0.60	<2.50 UJ	<1.90	<1.60	<0.60	<2.50 UJ
Zinc	7440-66-6	N	UG/L		3.80 B	<8.10	15.40 J	47.2	10.50 B	<8.10
<i>Miscellaneous</i>										
Fecal Coliform	EVS0238	N	MPN/100mL							
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6				<0.63	
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54				<0.56	

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
<i>Volatile Organic Compounds</i>					
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.5
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.5
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.5
2-Hexanone	591-78-6	N	UG/L		<1.0
Acetone	67-64-1	N	UG/L		<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0
Acrolein	107-02-8	N	UG/L		<40
Acrylonitrile	107-13-1	N	UG/L		<4
Allyl Chloride	107-05-1	N	UG/L		<0.1
Benzene	71-43-2	N	UG/L		<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1
Bromoform	75-25-2	N	UG/L		<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1
Chloroform	67-66-3	N	UG/L		<0.1
Chloroprene	126-99-8	N	UG/L		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1
Cumene	98-82-8	N	UG/L		
Cyclohexane	110-82-7	N	UG/L		
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1
Iodomethane	74-88-4	N	UG/L		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
Meta- And Para-Xylene	EVS0253	N	UG/L		
Methacrylonitrile	126-98-7	N	UG/L		<1.0
Methyl Acetate	79-20-9	N	UG/L		
Methyl Bromide	74-83-9	N	UG/L		<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		
Methylene Bromide	74-95-3	N	UG/L		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2
Ortho-Xylene	95-47-6	N	UG/L		
Pentachloroethane	76-01-7	N	UG/L		<0.2
Propionitrile	107-12-0	N	UG/L		<2.0
Styrene	100-42-5	N	UG/L		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1
Toluene	108-88-3	N	UG/L		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010
Xylenes	1330-20-7	N	UG/L		<0.1
<i>Semivolatile Organic Compounds</i>					
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.5
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.5
1,2-Diphenylhydrazine	122-66-7	N	UG/L		
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2
1,4-Dioxane	123-91-1	N	UG/L		<1
1,4-Naphthoquinone	130-15-4	N	UG/L		<26 R
1-Methylnaphthalene	90-12-0	N	UG/L		
1-Naphthylamine	134-32-7	N	UG/L		<5
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.5
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<0.5
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.5
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.5
2,4-Dimethylphenol	105-67-9	N	UG/L		<0.5
2,4-Dinitrophenol	51-28-5	N	UG/L		<10
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.5
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.5
2-Acetylaminofluorene	53-96-3	N	UG/L		<2
2-Chloronaphthalene	91-58-7	N	UG/L		<0.4
2-Chlorophenol	95-57-8	N	UG/L		<0.5
2-Methylnaphthalene	91-57-6	N	UG/L		<0.010
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.5
2-Naphthylamine	91-59-8	N	UG/L		<5
2-Nitroaniline	88-74-4	N	UG/L		<0.5
2-Nitrophenol	88-75-5	N	UG/L		<0.5
2-Picoline	109-06-8	N	UG/L		<2
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<26
3-Methylcholanthrene	56-49-5	N	UG/L		<0.5
3-Nitroaniline	99-09-2	N	UG/L		<0.5
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5
4-Aminobiphenyl	92-67-1	N	UG/L		<0.5
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.5
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<0.5
4-Chloroaniline	106-47-8	N	UG/L		<0.5
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.5
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.5
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.5
4-Nitroaniline	100-01-6	N	UG/L		<0.5
4-Nitrophenol	100-02-7	N	UG/L		<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<20
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.5
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.5
Acenaphthene	83-32-9	N	UG/L		<0.010
Acenaphthylene	208-96-8	N	UG/L		<0.010
Acetophenone	98-86-2	N	UG/L		<0.5
Aniline	62-53-3	N	UG/L		<0.5
Anthracene	120-12-7	N	UG/L		<0.010
Benzaldehyde	100-52-7	N	UG/L		
Benzidine	92-87-5	N	UG/L		
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010
Benzoic Acid	65-85-0	N	UG/L		

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Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
Benzyl Alcohol	100-51-6	N	UG/L		<10
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<0.5
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.5
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.5
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2
Caprolactam	105-60-2	N	UG/L		
Carbazole	86-74-8	N	UG/L		
Chlorobenzilate	510-15-6	N	UG/L		<3
Chrysene	218-01-9	N	UG/L		<0.010
Diallate	2303-16-4	N	UG/L		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010
Dibenzofuran	132-64-9	N	UG/L		<0.5
Diethyl Phthalate	84-66-2	N	UG/L		<2
Dimethyl Phthalate	131-11-3	N	UG/L		<2
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.5
Fluoranthene	206-44-0	N	UG/L		<0.010
Fluorene	86-73-7	N	UG/L		<0.010
Hexachlorobenzene	118-74-1	N	UG/L		<0.1
Hexachlorobutadiene	87-68-3	N	UG/L		<0.5
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5
Hexachloroethane	67-72-1	N	UG/L		<1
Hexachloropropylene	1888-71-7	N	UG/L		<2
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010
Isodrin	465-73-6	N	UG/L		<0.5
Isophorone	78-59-1	N	UG/L		<0.5
Isosafrole	120-58-1	N	UG/L		<2
Methapyrilene	91-80-5	N	UG/L		<15
Methyl Cyclohexane	108-87-2	N	UG/L		
Methyl Methanesulfonate	66-27-3	N	UG/L		<1
Naphthalene	91-20-3	N	UG/L		<0.031
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2
Nitrobenzene	98-95-3	N	UG/L		<0.5
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2
N-Nitrosodiethylamine	55-18-5	N	UG/L		<0.5
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.5
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.5
N-Nitrosomorpholine	59-89-2	N	UG/L		<2

Summary of Analytical Results - Water Supply Wells
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.5
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.5
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2
O-Toluidine	95-53-4	N	UG/L		<0.5
para-Phenylenediamine	106-50-3	N	UG/L		<77
Pentachlorobenzene	608-93-5	N	UG/L		<0.5
Pentachloronitrobenzene	82-68-8	N	UG/L		<2
Pentachlorophenol	87-86-5	N	UG/L		<1
Phenacetin	62-44-2	N	UG/L		<0.5
Phenanthrene	85-01-8	N	UG/L		<0.031
Phenol	108-95-2	N	UG/L		<0.5
Pyrene	129-00-0	N	UG/L		<0.010
Pyridine	110-86-1	N	UG/L		<2
Safrole	94-59-7	N	UG/L		<2
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1
Thionazin	297-97-2	N	UG/L		<2
Dimethoate	60-51-5	N	UG/L		<3
Atrazine	1912-24-9	N	UG/L		
Pronamide	23950-58-5	N	UG/L		<0.5
<i>Dowtherm</i>					
Biphenyl	92-52-4	N	UG/L		<0.5
Diphenyl Ether	101-84-8	N	UG/L		<0.5
<i>Glycols</i>					
Diethylene Glycol	111-46-6	N	UG/L		<8000
Ethylene Glycol	107-21-1	N	UG/L		<8000
Propylene Glycol	57-55-6	N	UG/L		<8000
Triethylene Glycol	112-27-6	N	UG/L		<8000
<i>Inorganics</i>					
Antimony	7440-36-0	N	UG/L		<0.330
Arsenic	7440-38-2	N	UG/L		<0.820
Barium	7440-39-3	N	UG/L		1.10 B
Beryllium	7440-41-7	N	UG/L		<0.670
Cadmium	7440-43-9	N	UG/L		<0.170
Chromium	7440-47-3	N	UG/L		<1.30
Cobalt	7440-48-4	N	UG/L		<100
Copper	7440-50-8	N	UG/L		<2.80
Iron	7439-89-6	N	UG/L		<33.40
Lead	7439-92-1	N	UG/L		<0.0820
Manganese	7439-96-5	N	UG/L		100 J
Mercury	7439-97-6	N	UG/L		<0.0600
Nickel	7440-02-0	N	UG/L		<1.60
Selenium	7782-49-2	N	UG/L		<4.80

Summary of Analytical Results - Water Supply Wells
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	WSW-YMCA
				Field Sample ID	SSP14-GW-WSW-YMCA
				Sample Name	
				Date Sampled	12/19/2014
				Sample Purpose	FS
Silver	7440-22-4	N	UG/L		<1.80
Thallium	7440-28-0	N	UG/L		<0.150
Tin	7440-31-5	N	UG/L		<2.40
Vanadium	7440-62-2	N	UG/L		<1.90
Zinc	7440-66-6	N	UG/L		2.30 J
<i>Miscellaneous</i>					
Fecal Coliform	EVS0238	N	MPN/100mL		
Diallate (cis Isomer)	EVS0487	N	UG/L		
Diallate (trans Isomer)	EVS0488	N	UG/L		

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09
				Sample Name	BRE-W-SW-03									
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2									
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3	<0.3			<0.3		<0.3		<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2			<0.2		<0.2		<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1									
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1									
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1									
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0			<1.0		<1.0		<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0			<3.0		<3.0		<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0	<7.0			<7.0		<7.0		<7.0
Acrolein	107-02-8	N	UG/L			<40	<40			<40		<40		<40
Acrylonitrile	107-13-1	N	UG/L			<4	<4			<4		<4		<4
Allyl Chloride	107-05-1	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		0.6	<0.1	<0.1			<0.1		<0.1		<0.1
Bromochloromethane	74-97-5	N	UG/L											
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4			<0.4		<0.4		<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Chloroprene	126-99-8	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1			<0.1		0.2 J		0.8
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Cumene	98-82-8	N	UG/L		<0.1									
Cyclohexane	110-82-7	N	UG/L		<0.1									
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Iodomethane	74-88-4	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10	<10			<10		<10		<10

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09
				Sample Name	BRE-W-SW-03									
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L											
Methacrylonitrile	126-98-7	N	UG/L			<1.0	<1.0			<1.0		<1.0		<1.0
Methyl Acetate	79-20-9	N	UG/L		<0.3									
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2			<0.2		<0.2		<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0			<1.0		<1.0		<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0			<1.0		<1.0		<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1									
Methylene Bromide	74-95-3	N	UG/L			<0.1	<0.1			<0.1		<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2			<0.2		<0.2		<0.2
Ortho-Xylene	95-47-6	N	UG/L											
Pentachloroethane	76-01-7	N	UG/L			<0.2	<0.2			<0.2		<0.2		<0.2
Propionitrile	107-12-0	N	UG/L			<2.0	<2.0			<2.0		<2.0		<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0	<1.0			<1.0		<1.0		<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		0.4 J
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2	<0.2			<0.2		<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		0.079	<0.010	<0.010			<0.010		0.12		0.10
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1			<0.1		<0.1		<0.1
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L											
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1									
1,2-Diphenylhydrazine	122-66-7	N	UG/L											
1,3,5-Trinitrobenzene	99-35-4	N	UG/L											
1,3-Dinitrobenzene	99-65-0	N	UG/L											
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1			<1		<1		<1
1,4-Naphthoquinone	130-15-4	N	UG/L											
1-Methylnaphthalene	90-12-0	N	UG/L											
1-Naphthylamine	134-32-7	N	UG/L											
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L											
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1 R									
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1 R									
2,4-Dichlorophenol	120-83-2	N	UG/L		<1 R									
2,4-Dimethylphenol	105-67-9	N	UG/L		<3 R									
2,4-Dinitrophenol	51-28-5	N	UG/L		<21 R									
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1									

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09
				Sample Name	BRE-W-SW-03									
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L											
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1									
2-Acetylaminofluorene	53-96-3	N	UG/L											
2-Chloronaphthalene	91-58-7	N	UG/L		<2									
2-Chlorophenol	95-57-8	N	UG/L		<1 R									
2-Methylnaphthalene	91-57-6	N	UG/L		<1									
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1 R									
2-Naphthylamine	91-59-8	N	UG/L											
2-Nitroaniline	88-74-4	N	UG/L		<1									
2-Nitrophenol	88-75-5	N	UG/L		<1 R									
2-Picoline	109-06-8	N	UG/L											
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2									
3,3'-Dimethylbenzidine	119-93-7	N	UG/L											
3-Methylcholanthrene	56-49-5	N	UG/L											
3-Nitroaniline	99-09-2	N	UG/L		<1									
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L											
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5 R									
4-Aminobiphenyl	92-67-1	N	UG/L											
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1									
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1 R									
4-Chloroaniline	106-47-8	N	UG/L		<1									
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2									
4-Dimethylaminoazobenzene	60-11-7	N	UG/L											
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2 R									
4-Nitroaniline	100-01-6	N	UG/L		<1									
4-Nitrophenol	100-02-7	N	UG/L		<10 R									
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L											
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L											
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L											
Acenaphthene	83-32-9	N	UG/L		<1									
Acenaphthylene	208-96-8	N	UG/L		<1									
Acetophenone	98-86-2	N	UG/L		<2									
Aniline	62-53-3	N	UG/L											
Anthracene	120-12-7	N	UG/L		<1									
Benzaldehyde	100-52-7	N	UG/L		<1									
Benzidine	92-87-5	N	UG/L											
Benzo(A)Anthracene	56-55-3	N	UG/L		<1									
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1									
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1									
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1									
Benzo[A]Pyrene	50-32-8	N	UG/L		<1									
Benzoic Acid	65-85-0	N	UG/L											

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09	
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09	
				Sample Name	BRE-W-SW-03										
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014	
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	
Benzyl Alcohol	100-51-6	N	UG/L												
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L												
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1										
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1										
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1										
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2										
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2										
Caprolactam	105-60-2	N	UG/L		<5										
Carbazole	86-74-8	N	UG/L		<1										
Chlorobenzilate	510-15-6	N	UG/L												
Chrysene	218-01-9	N	UG/L		<1										
Diallate	2303-16-4	N	UG/L												
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1										
Dibenzofuran	132-64-9	N	UG/L		<1										
Diethyl Phthalate	84-66-2	N	UG/L		<2										
Dimethyl Phthalate	131-11-3	N	UG/L		<2										
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2										
Ethyl Methanesulfonate	62-50-0	N	UG/L												
Fluoranthene	206-44-0	N	UG/L		<1										
Fluorene	86-73-7	N	UG/L		<1										
Hexachlorobenzene	118-74-1	N	UG/L		<1										
Hexachlorobutadiene	87-68-3	N	UG/L		<1										
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5										
Hexachloroethane	67-72-1	N	UG/L		<1										
Hexachloropropylene	1888-71-7	N	UG/L												
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1										
Isodrin	465-73-6	N	UG/L												
Isophorone	78-59-1	N	UG/L		<1										
Isosafrole	120-58-1	N	UG/L												
Methapyrilene	91-80-5	N	UG/L												
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1										
Methyl Methanesulfonate	66-27-3	N	UG/L												
Naphthalene	91-20-3	N	UG/L		<1										
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2										
Nitrobenzene	98-95-3	N	UG/L		<1										
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L												
N-Nitrosodiethylamine	55-18-5	N	UG/L												
N-Nitrosodimethylamine	62-75-9	N	UG/L												
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L												
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1										
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2										
N-Nitrosomorpholine	59-89-2	N	UG/L												

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09	
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09	
				Sample Name	BRE-W-SW-03										
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014	
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	
N-Nitrosopiperidine	100-75-4	N	UG/L												
N-Nitrosopyrrolidine	930-55-2	N	UG/L												
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L												
O-Toluidine	95-53-4	N	UG/L												
para-Phenylenediamine	106-50-3	N	UG/L												
Pentachlorobenzene	608-93-5	N	UG/L												
Pentachloronitrobenzene	82-68-8	N	UG/L												
Pentachlorophenol	87-86-5	N	UG/L		<3 R										
Phenacetin	62-44-2	N	UG/L												
Phenanthrene	85-01-8	N	UG/L		<1										
Phenol	108-95-2	N	UG/L		<1 R										
Pyrene	129-00-0	N	UG/L		<1										
Pyridine	110-86-1	N	UG/L												
Safrole	94-59-7	N	UG/L												
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L												
Thionazin	297-97-2	N	UG/L												
Dimethoate	60-51-5	N	UG/L												
Atrazine	1912-24-9	N	UG/L		<2										
Pronamide	23950-58-5	N	UG/L												
<i>Dowtherm</i>															
Biphenyl	92-52-4	N	UG/L		<1	<0.5	<0.5			<0.5		<0.5		<0.5	
Diphenyl Ether	101-84-8	N	UG/L		7 J	<0.5	<0.5			<0.5		<0.5		<0.5	
<i>Glycols</i>															
Diethylene Glycol	111-46-6	N	UG/L			<8000	<8000			<8000		<8000		<8000	
Ethylene Glycol	107-21-1	N	UG/L			<8000	<8000			<8000		<8000		<8000	
Propylene Glycol	57-55-6	N	UG/L			<8000	<8000			<8000		<8000		<8000	
Triethylene Glycol	112-27-6	N	UG/L			<8000	<8000			<8000		<8000		<8000	
<i>Inorganics</i>															
Antimony	7440-36-0	N	UG/L		<9.70	<0.330	<0.330			<0.330		<0.330		<0.330	
Antimony	7440-36-0	Y	UG/L					<0.330	<0.330		<0.330		<0.330		
Arsenic	7440-38-2	N	UG/L		<10.00	<0.820	<0.820			<0.820		<0.820		<0.820	
Arsenic	7440-38-2	Y	UG/L					<0.820	<0.820		<0.820		<0.820		
Barium	7440-39-3	N	UG/L		14.9	6.60 J	6.60 J			5.00 J		2.50 J		4.20 J	
Barium	7440-39-3	Y	UG/L					6.00 J	6.00 J		4.40 J		2.50 J		
Beryllium	7440-41-7	N	UG/L		<0.900 UJ	<0.670	<0.670			<0.670		<0.670		<0.670	
Beryllium	7440-41-7	Y	UG/L					<0.670	<0.670		<0.670		<0.670		
Cadmium	7440-43-9	N	UG/L		<2.00	<0.170	<0.170			<0.170		<0.170		<0.170	
Cadmium	7440-43-9	Y	UG/L					<0.170	<0.170		<0.170		<0.170		
Calcium	7440-70-2	N	UG/L			1130	1130			1030		1230		1920	
Chromium	7440-47-3	N	UG/L		<3.00 UJ	<1.30	<1.30			<1.30		<1.30		<1.30	
Chromium	7440-47-3	Y	UG/L					<1.30	<1.30		<1.30		<1.30		
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<1.00	<1.00			<1.00		<1.00		<1.00	

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-03	SW-04	SW-04	SW-04	SW-04	SW-07	SW-07	SW-08	SW-08	SW-09
				Field Sample ID	21396404	SSP14-SW-04	SSP14-SW-04-D	SSP14-SW-04-Z	SSP14-SW-04-Z-D	SSP14-SW-07	SSP14-SW-07-Z	SSP14-SW-08	SSP14-SW-08-Z	SSP14-SW-09
				Sample Name	BRE-W-SW-03									
				Date Sampled	02/05/2009	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/28/2014	10/28/2014	10/28/2014
				Sample Purpose	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L				<1.00	<1.00		<1.00		<1.00		
Copper	7440-50-8	N	UG/L		2.70 B	<2.80	<2.80			<2.80		<2.80		<2.80
Copper	7440-50-8	Y	UG/L				<2.80	<2.80		<2.80		<2.80		<2.80
Iron	7439-89-6	N	UG/L		8790	371.0 J	378.0 J			259.0 J		1520		927
Iron	7439-89-6	Y	UG/L				207.0 J	131.0 J		156.0 J		1460		
Lead	7439-92-1	N	UG/L		<6.90	<0.0820	<0.0820			<0.0820		<0.0820		<0.0820
Lead	7439-92-1	Y	UG/L				0.0940 J	<0.0820		<0.0820		<0.0820		<0.0820
Magnesium	7439-95-4	N	UG/L			426	422			360		282		435
Manganese	7439-96-5	N	UG/L		780.0 J	89	89.9			16.2		371		416
Manganese	7439-96-5	Y	UG/L				84.5	86.2		10.3		374		
Mercury	7439-97-6	N	UG/L		0.2480 B	<0.0600	<0.0600			<0.0600		<0.0600		<0.0600
Mercury	7439-97-6	Y	UG/L				<0.0600	<0.0600		<0.0600		<0.0600		<0.0600
Nickel	7440-02-0	N	UG/L		<5.60 UJ	<1.60	<1.60			<1.60		<1.60		<1.60
Nickel	7440-02-0	Y	UG/L				<1.60	<1.60		<1.60		<1.60		<1.60
Selenium	7782-49-2	N	UG/L		<10.70	<4.80	<4.80			<4.80		<4.80		<4.80
Selenium	7782-49-2	Y	UG/L				<4.80	<4.80		<4.80		<4.80		<4.80
Silver	7440-22-4	N	UG/L		<2.20	<1.80	<1.80			<1.80 UJ		<1.80		<1.80
Silver	7440-22-4	Y	UG/L				<1.80	<1.80		<1.80 UJ		<1.80		<1.80
Thallium	7440-28-0	N	UG/L		<14.00	<0.150	<0.150			<0.150		<0.150		<0.150
Thallium	7440-28-0	Y	UG/L				<0.150	<0.150		<0.150		<0.150		<0.150
Tin	7440-31-5	N	UG/L			<2.40	<2.40			<2.40		<2.40		<2.40
Tin	7440-31-5	Y	UG/L				<2.40	<2.40		<2.40		<2.40		<2.40
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<1.90	<1.90			<1.90		<1.90		<1.90
Vanadium	7440-62-2	Y	UG/L				<1.90	<1.90		<1.90		<1.90		<1.90
Zinc	7440-66-6	N	UG/L		14.20 J	3.00 B	3.90 B			3.80 B		4.10 J		7.20 J
Zinc	7440-66-6	Y	UG/L				2.60000 B	2.70000 B		6.90000 B		4.50000 J		
<i>Miscellaneous</i>														
Nitrate	14797-55-8	N	UG/L			<250	<250							
Nitrite	14797-65-0	N	UG/L			<250	<250							
Diallate (cis Isomer)	EVS0487	N	UG/L											
Diallate (trans Isomer)	EVS0488	N	UG/L											
Total Hardness As CaCO3	471-34-1	N	UG/L			4600	4600			4000		4200		6600
Total Suspended Solids	C009	N	UG/L			1600 J	1100 J			1000 J		2400 J		3600

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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L			<0.2		<0.2			<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1		<0.1	0.1 J		<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L						<0.3				
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.2		<0.2	<0.2		<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L			<0.1		<0.1			<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L			<0.1		<0.1			<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L			<0.1		<0.1			<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L			<1.0		<1.0	<1.0		<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L			<3.0		<3.0	<3.0		<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L						<7.0				
Acrolein	107-02-8	N	UG/L						<40				
Acrylonitrile	107-13-1	N	UG/L						<4				
Allyl Chloride	107-05-1	N	UG/L						<0.1				
Benzene	71-43-2	N	UG/L			<0.1		<0.1	<0.1		2.0	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L										
Bromodichloromethane	75-27-4	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L			<0.4		<0.4	<0.4		<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L						<0.1				
cis-1,2 Dichloroethene	156-59-2	N	UG/L			0.1 J		0.1 J	0.4 J		0.1 J	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L			<0.1		<0.1			<0.1	<0.1	<0.1
Cyclohexane	110-82-7	N	UG/L			<0.1		<0.1			<0.1	0.6	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L						<0.1				
Ethylbenzene	100-41-4	N	UG/L			<0.1		<0.1	<0.1		<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L						<0.1				
Isobutyl Alcohol	78-83-1	N	UG/L						<10				

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L										
Methacrylonitrile	126-98-7	N	UG/L					<1.0					
Methyl Acetate	79-20-9	N	UG/L		<0.3		<0.3			<0.3	<0.3	<0.3	
Methyl Bromide	74-83-9	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
Methyl Chloride	74-87-3	N	UG/L		<0.2		<0.2	<0.2		<0.2	<0.2	<0.2	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0		<1.0	<1.0		<1.0	<1.0	<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0		<1.0	<1.0		<1.0	<1.0	<1.0	
Methyl Methacrylate	80-62-6	N	UG/L					<0.1					
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1		<0.1			<0.1	<0.1	<0.1	
Methylene Bromide	74-95-3	N	UG/L					<0.1					
Methylene Chloride	75-09-2	N	UG/L		<0.2		<0.2	<0.2		<0.2	<0.2	<0.2	
Ortho-Xylene	95-47-6	N	UG/L										
Pentachloroethane	76-01-7	N	UG/L					<0.2					
Propionitrile	107-12-0	N	UG/L					<2.0					
Styrene	100-42-5	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
Toluene	108-88-3	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L					<1.0					
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1	0.2 J		<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		<0.1	<0.1		<0.1	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L					<0.2					
Vinyl Chloride	75-01-4	N	UG/L		0.042 J		0.045 J	0.055		0.27	<0.010	<0.010	
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1	<0.1		0.1 J	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L										
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1		<0.1			<0.1	<0.1	<0.1	
1,2-Diphenylhydrazine	122-66-7	N	UG/L										
1,3,5-Trinitrobenzene	99-35-4	N	UG/L										
1,3-Dinitrobenzene	99-65-0	N	UG/L										
1,4-Dioxane	123-91-1	N	UG/L		<1	<1		<1		<1	<1	<1	
1,4-Naphthoquinone	130-15-4	N	UG/L										
1-Methylnaphthalene	90-12-0	N	UG/L										
1-Naphthylamine	134-32-7	N	UG/L										
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L										
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1				<1 R	<1	<1	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1				<1 R	<1	<1	
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1				<1 R	<1	<1	
2,4-Dimethylphenol	105-67-9	N	UG/L		<3	<3				<3 R	<3	<3	
2,4-Dinitrophenol	51-28-5	N	UG/L		<20 R	<21				<19 R	<19	<20	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1				<1	<1	<1	

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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L										
2,6-Dinitrotoluene	606-20-2	N	UG/L			<1	<1				<1	<1	<1
2-Acetylaminofluorene	53-96-3	N	UG/L										
2-Chloronaphthalene	91-58-7	N	UG/L			<2	<2				<2	<2	<2
2-Chlorophenol	95-57-8	N	UG/L			<1	<1				<1 R	<1	<1
2-Methylnaphthalene	91-57-6	N	UG/L			<1	<1				<1	<1	<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L			<1	<1				<1 R	<1	<1
2-Naphthylamine	91-59-8	N	UG/L										
2-Nitroaniline	88-74-4	N	UG/L			<1	<1				<1	<1	<1
2-Nitrophenol	88-75-5	N	UG/L			<1	<1				<1 R	<1	<1
2-Picoline	109-06-8	N	UG/L										
3,3'-Dichlorobenzidine	91-94-1	N	UG/L			<2	<2				<2	<2	<2
3,3'-Dimethylbenzidine	119-93-7	N	UG/L										
3-Methylcholanthrene	56-49-5	N	UG/L										
3-Nitroaniline	99-09-2	N	UG/L			<1	<1				<1	<1	<1
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L										
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L			<5	<5				<5 R	<5	<5
4-Aminobiphenyl	92-67-1	N	UG/L										
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L			<1	<1				<1	<1	<1
4-Chloro-3-Methylphenol	59-50-7	N	UG/L			<1	<1				<1 R	<1	<1
4-Chloroaniline	106-47-8	N	UG/L			<1	<1				<1	<1	<1
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L			<2	<2				<2	<2	<2
4-Dimethylaminoazobenzene	60-11-7	N	UG/L										
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L			<2	<2				<2 R	<2	<2
4-Nitroaniline	100-01-6	N	UG/L			<1	<1				<1	<1	<1
4-Nitrophenol	100-02-7	N	UG/L			<10	<10				<10 R	<10	<10
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L										
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L										
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L										
Acenaphthene	83-32-9	N	UG/L			<1	<1				<1	<1	<1
Acenaphthylene	208-96-8	N	UG/L			<1	<1				<1	<1	<1
Acetophenone	98-86-2	N	UG/L			<2	<2				<2	<2	<2
Aniline	62-53-3	N	UG/L										
Anthracene	120-12-7	N	UG/L			<1	<1				<1	<1	<1
Benzaldehyde	100-52-7	N	UG/L			<1	<1				<1	<1	<1
Benzidine	92-87-5	N	UG/L										
Benzo(A)Anthracene	56-55-3	N	UG/L			<1	<1				<1	<1	<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L			<1	<1				<1	<1	<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L			<1	<1				<1	<1	<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L			<1	<1				<1	<1	<1
Benzo[A]Pyrene	50-32-8	N	UG/L			<1	<1				<1	<1	<1
Benzoic Acid	65-85-0	N	UG/L										

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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L										
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L										
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1	<1				<1	<1	<1	
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1				<1	<1	<1	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1				<1	<1	<1	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2				<2	<2	<2	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2				<2	<2	<2	
Caprolactam	105-60-2	N	UG/L		<5	<5				<5	<5	<5	
Carbazole	86-74-8	N	UG/L		<1	<1				<1	<1	<1	
Chlorobenzilate	510-15-6	N	UG/L										
Chrysene	218-01-9	N	UG/L		<1	<1				<1	<1	<1	
Diallate	2303-16-4	N	UG/L										
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1				<1	<1	<1	
Dibenzofuran	132-64-9	N	UG/L		<1	<1				<1	<1	<1	
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2				<2	<2	<2	
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2				<2	<2	<2	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2				<2	<2	<2	
Ethyl Methanesulfonate	62-50-0	N	UG/L										
Fluoranthene	206-44-0	N	UG/L		<1	<1				<1	<1	<1	
Fluorene	86-73-7	N	UG/L		<1	<1				<1	<1	<1	
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1				<1	<1	<1	
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1				<1	<1	<1	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5				<5	<5	<5	
Hexachloroethane	67-72-1	N	UG/L		<1	<1				<1	<1	<1	
Hexachloropropylene	1888-71-7	N	UG/L										
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1				<1	<1	<1	
Isodrin	465-73-6	N	UG/L										
Isophorone	78-59-1	N	UG/L		<1	<1				<1	<1	<1	
Isosafrole	120-58-1	N	UG/L										
Methapyrilene	91-80-5	N	UG/L										
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1		<0.1			<0.1	<0.1	<0.1	
Methyl Methanesulfonate	66-27-3	N	UG/L										
Naphthalene	91-20-3	N	UG/L		<1	<1				<1	<1	<1	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2				<2	<2	<2	
Nitrobenzene	98-95-3	N	UG/L		<1	<1				<1	<1	<1	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L										
N-Nitrosodiethylamine	55-18-5	N	UG/L										
N-Nitrosodimethylamine	62-75-9	N	UG/L										
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L										
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1				<1	<1	<1	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2				<2	<2	<2	
N-Nitrosomorpholine	59-89-2	N	UG/L										

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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L										
N-Nitrosopyrrolidine	930-55-2	N	UG/L										
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L										
O-Toluidine	95-53-4	N	UG/L										
para-Phenylenediamine	106-50-3	N	UG/L										
Pentachlorobenzene	608-93-5	N	UG/L										
Pentachloronitrobenzene	82-68-8	N	UG/L										
Pentachlorophenol	87-86-5	N	UG/L			<3	<3			<3 R	<3	<3	
Phenacetin	62-44-2	N	UG/L										
Phenanthrene	85-01-8	N	UG/L			<1	<1			<1	<1	<1	
Phenol	108-95-2	N	UG/L			<1	<1			<1 R	<1	<1	
Pyrene	129-00-0	N	UG/L			<1	<1			<1	<1	<1	
Pyridine	110-86-1	N	UG/L										
Safrole	94-59-7	N	UG/L										
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L										
Thionazin	297-97-2	N	UG/L										
Dimethoate	60-51-5	N	UG/L										
Atrazine	1912-24-9	N	UG/L			<2	<2			<2	<2	<2	
Pronamide	23950-58-5	N	UG/L										
<i>Dowtherm</i>													
Biphenyl	92-52-4	N	UG/L			<1	<1		<0.5	<1	<1	<1	
Diphenyl Ether	101-84-8	N	UG/L			<1	5		5	13	<1	<1	
<i>Glycols</i>													
Diethylene Glycol	111-46-6	N	UG/L						<8000				
Ethylene Glycol	107-21-1	N	UG/L						<8000				
Propylene Glycol	57-55-6	N	UG/L						<8000				
Triethylene Glycol	112-27-6	N	UG/L						<8000				
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L			<9.70 UJ	<9.70 UJ		<0.330		<9.70 UJ	<9.70	<9.70
Antimony	7440-36-0	Y	UG/L		<0.330				<0.330				
Arsenic	7440-38-2	N	UG/L			<10.00	<10.00		<0.820		<10.00	<10.00	<10.00
Arsenic	7440-38-2	Y	UG/L		<0.820				<0.820				
Barium	7440-39-3	N	UG/L			6.4	5.9		7.30 J		22.3	4.80 J	5.1
Barium	7440-39-3	Y	UG/L		4.60 J				7.10 J				
Beryllium	7440-41-7	N	UG/L			<0.900 UJ	<0.900 UJ		<0.670		<0.900 UJ	<0.900 UJ	<0.900 UJ
Beryllium	7440-41-7	Y	UG/L		<0.670				<0.670				
Cadmium	7440-43-9	N	UG/L			<2.00	<2.00		<0.170		<2.00	<2.00	<2.00
Cadmium	7440-43-9	Y	UG/L		<0.170				<0.170				
Calcium	7440-70-2	N	UG/L						2160				
Chromium	7440-47-3	N	UG/L			<3.00	<3.00		<1.30		<3.00	<3.00 UJ	<3.00 UJ
Chromium	7440-47-3	Y	UG/L		<1.30				<1.30				
Cobalt	7440-48-4	N	UG/L			<2.10 UJ	<2.10 UJ		<1.00		<2.10 UJ	<2.10 UJ	<2.10 UJ

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Analyte	CAS No.	Filtered	Units	Location ID	SW-09	SW-10	SW-10	SW-10	SW-10	SW-10	SW-11	SW-12	SW-13
				Field Sample ID	SSP14-SW-09-Z	21399034	21399035	21413413	PPS14-SW-10	PPS14-SW-10-Z	21396412	21396414	21396416
				Sample Name		BRE-W-SW-10	BRE-W-SW-10-DUP	BRE-G-SW-10-DUP			BRE-W-SW-11	BRE-W-SW-12	BRE-W-SW-13
				Date Sampled	10/28/2014	02/04/2009	02/04/2009	02/04/2009	10/21/2014	10/21/2014	02/04/2009	02/05/2009	02/05/2009
				Sample Purpose	FS	FS	DUP	DUP	fs	fs	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L		<1.00					<1.00			
Copper	7440-50-8	N	UG/L			<2.70 UJ	<2.70 UJ		<2.80		<2.70 UJ	3.20 B	<2.70
Copper	7440-50-8	Y	UG/L		<2.80				<2.80				
Iron	7439-89-6	N	UG/L			553	574		947		16700.00	201	270
Iron	7439-89-6	Y	UG/L		617				662				
Lead	7439-92-1	N	UG/L			<6.90	<6.90		<0.0820		<6.90	<6.90	<6.90
Lead	7439-92-1	Y	UG/L		<0.0820					<0.0820			
Magnesium	7439-95-4	N	UG/L						431				
Manganese	7439-96-5	N	UG/L			332	347		510		1420	56.60 J	64.40 J
Manganese	7439-96-5	Y	UG/L		402				498				
Mercury	7439-97-6	N	UG/L			0.757	0.716		<0.0600		0.3280 J	0.5670 B	0.5630 B
Mercury	7439-97-6	Y	UG/L		<0.0600				<0.0600				
Nickel	7440-02-0	N	UG/L			<5.60	<5.60		<1.60		<5.60	<5.60 UJ	<5.60 UJ
Nickel	7440-02-0	Y	UG/L		<1.60				<1.60				
Selenium	7782-49-2	N	UG/L			<10.70	<10.70		<4.80		<10.70	<10.70	<10.70
Selenium	7782-49-2	Y	UG/L		<4.80				<4.80				
Silver	7440-22-4	N	UG/L			<2.20	<2.20		<1.80		<2.20	<2.20	<2.20
Silver	7440-22-4	Y	UG/L		<1.80				<1.80				
Thallium	7440-28-0	N	UG/L			<14.00	<14.00		<0.150		<14.00	<14.00	<14.00
Thallium	7440-28-0	Y	UG/L		<0.150				<0.150				
Tin	7440-31-5	N	UG/L						<2.40				
Tin	7440-31-5	Y	UG/L		<2.40				<2.40				
Vanadium	7440-62-2	N	UG/L			<2.50 UJ	<2.50 UJ		<1.90		<2.50 UJ	<2.50 UJ	<2.50 UJ
Vanadium	7440-62-2	Y	UG/L		<1.90				<1.90				
Zinc	7440-66-6	N	UG/L			<8.10	<8.10		7.30 B		19.70 J	<8.10	<8.10
Zinc	7440-66-6	Y	UG/L		8.70000 J						11.70000 B		
<i>Miscellaneous</i>													
Nitrate	14797-55-8	N	UG/L										
Nitrite	14797-65-0	N	UG/L										
Diallate (cis Isomer)	EVS0487	N	UG/L										
Diallate (trans Isomer)	EVS0488	N	UG/L										
Total Hardness As CaCO3	471-34-1	N	UG/L						7200				
Total Suspended Solids	C009	N	UG/L						2000 J				

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Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			0.3 J	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	0.1 J			<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L		<0.2			<0.2	<0.2	<0.2				
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1		<0.1	1.8	<0.1			2.4	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1		<0.1	0.2 J	<0.1			1.7	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3							<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2		<0.2	<0.2	<0.2			<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1			<0.1	<0.1	<0.1				
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1			<0.1	<0.1	<0.1				
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1			<0.1	<0.1	<0.1				
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0		<1.0	<1.0	<1.0			<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0		<3.0	<3.0	<3.0			<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0							<7.0	<7.0
Acrolein	107-02-8	N	UG/L			<40							<40	<40
Acrylonitrile	107-13-1	N	UG/L			<4							<4	<4
Allyl Chloride	107-05-1	N	UG/L			<0.1							<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1		<0.1	0.1 J	<0.1			0.1 J	<0.1
Bromochloromethane	74-97-5	N	UG/L											
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4		<0.4	<0.4	<0.4			<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Chloroprene	126-99-8	N	UG/L			<0.1							<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1		<0.1	1.8	<0.1			2.5	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Cumene	98-82-8	N	UG/L		<0.1			<0.1	<0.1	<0.1				
Cyclohexane	110-82-7	N	UG/L		<0.1			<0.1	<0.1	<0.1				
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1							<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Iodomethane	74-88-4	N	UG/L			<0.1							<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10							<10	<10

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Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L											
Methacrylonitrile	126-98-7	N	UG/L			<1.0							<1.0	<1.0
Methyl Acetate	79-20-9	N	UG/L		<0.3			<0.3	<0.3	<0.3				
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2		<0.2	<0.2	<0.2			<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0		<1.0	<1.0	<1.0			<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0		<1.0	<1.0	<1.0			<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1							<0.1	<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L		<0.1			<0.1	<0.1	<0.1				
Methylene Bromide	74-95-3	N	UG/L			<0.1							<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2		<0.2	<0.2	<0.2			1.2	<0.2
Ortho-Xylene	95-47-6	N	UG/L											
Pentachloroethane	76-01-7	N	UG/L			<0.2							<0.2	<0.2
Propionitrile	107-12-0	N	UG/L			<2.0							<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1		<0.1	0.1 J	<0.1			<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			0.1 J	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0							<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1		<0.1	1.5	<0.1			0.3 J	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			0.2 J	<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2							<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010		<0.010	2.0	<0.010			5.0	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1		<0.1	<0.1	<0.1			<0.1	<0.1
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L											
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.1			<0.1	<0.1	<0.1				
1,2-Diphenylhydrazine	122-66-7	N	UG/L											
1,3,5-Trinitrobenzene	99-35-4	N	UG/L											
1,3-Dinitrobenzene	99-65-0	N	UG/L											
1,4-Dioxane	123-91-1	N	UG/L		<1	<1		<1	2 J	<1	<1			<1
1,4-Naphthoquinone	130-15-4	N	UG/L											
1-Methylnaphthalene	90-12-0	N	UG/L											
1-Naphthylamine	134-32-7	N	UG/L											
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L											
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1			<1	<1	<1				
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1			<1	<1	<1				
2,4-Dichlorophenol	120-83-2	N	UG/L		<1			<1	<1	<1				
2,4-Dimethylphenol	105-67-9	N	UG/L		<3			<3	<3	<4				
2,4-Dinitrophenol	51-28-5	N	UG/L		<20			<20	<20	<24				
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1			<1	<1	<1				

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Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L											
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1			<1	<1	<1				
2-Acetylaminofluorene	53-96-3	N	UG/L											
2-Chloronaphthalene	91-58-7	N	UG/L		<2			<2	<2	<2				
2-Chlorophenol	95-57-8	N	UG/L		<1			<1	<1	<1				
2-Methylnaphthalene	91-57-6	N	UG/L		<1			<1	<1	<1				
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1			<1	<1	<1				
2-Naphthylamine	91-59-8	N	UG/L											
2-Nitroaniline	88-74-4	N	UG/L		<1			<1	<1	<1				
2-Nitrophenol	88-75-5	N	UG/L		<1			<1	<1	<1				
2-Picoline	109-06-8	N	UG/L											
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<2			<2	<2	<2				
3,3'-Dimethylbenzidine	119-93-7	N	UG/L											
3-Methylcholanthrene	56-49-5	N	UG/L											
3-Nitroaniline	99-09-2	N	UG/L		<1			<1	<1	<1				
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L											
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5			<5	<5	<6				
4-Aminobiphenyl	92-67-1	N	UG/L											
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1			<1	<1	<1				
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1			<1	<1	<1				
4-Chloroaniline	106-47-8	N	UG/L		<1			<1	<1	<1				
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<2			<2	<2	<2				
4-Dimethylaminoazobenzene	60-11-7	N	UG/L											
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2			<2	<2	<2				
4-Nitroaniline	100-01-6	N	UG/L		<1			<1	<1	<1				
4-Nitrophenol	100-02-7	N	UG/L		<10			<10	<10	<12				
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L											
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L											
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L											
Acenaphthene	83-32-9	N	UG/L		<1			<1	<1	<1				
Acenaphthylene	208-96-8	N	UG/L		<1			<1	<1	<1				
Acetophenone	98-86-2	N	UG/L		<2			<2	<2	<2				
Aniline	62-53-3	N	UG/L											
Anthracene	120-12-7	N	UG/L		<1			<1	<1	<1				
Benzaldehyde	100-52-7	N	UG/L		<1			<1	<1	<1				
Benzidine	92-87-5	N	UG/L											
Benzo(A)Anthracene	56-55-3	N	UG/L		<1			<1	<1	<1				
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1			<1	<1	<1				
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1			<1	<1	<1				
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1			<1	<1	<1				
Benzo[A]Pyrene	50-32-8	N	UG/L		<1			<1	<1	<1				
Benzoic Acid	65-85-0	N	UG/L											

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Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L											
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L											
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<1			<1	<1	<1				
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1			<1	<1	<1				
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1			<1	<1	<1				
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2			<2	<2	<2				
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2			<2	<2	<2				
Caprolactam	105-60-2	N	UG/L		<5			<5	<5	<6				
Carbazole	86-74-8	N	UG/L		<1			<1	<1	<1				
Chlorobenzilate	510-15-6	N	UG/L											
Chrysene	218-01-9	N	UG/L		<1			<1	<1	<1				
Diallate	2303-16-4	N	UG/L											
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1			<1	<1	<1				
Dibenzofuran	132-64-9	N	UG/L		<1			<1	<1	<1				
Diethyl Phthalate	84-66-2	N	UG/L		<2			<2	<2	<2				
Dimethyl Phthalate	131-11-3	N	UG/L		<2			<2	<2	<2				
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2			<2	<2	<2				
Ethyl Methanesulfonate	62-50-0	N	UG/L											
Fluoranthene	206-44-0	N	UG/L		<1			<1	<1	<1				
Fluorene	86-73-7	N	UG/L		<1			<1	<1	<1				
Hexachlorobenzene	118-74-1	N	UG/L		<1			<1	<1	<1				
Hexachlorobutadiene	87-68-3	N	UG/L		<1			<1	<1	<1				
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5			<5	<5	<6				
Hexachloroethane	67-72-1	N	UG/L		<1			<1	<1	<1				
Hexachloropropylene	1888-71-7	N	UG/L											
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1			<1	<1	<1				
Isodrin	465-73-6	N	UG/L											
Isophorone	78-59-1	N	UG/L		<1			<1	<1	<1				
Isosafrole	120-58-1	N	UG/L											
Methapyrilene	91-80-5	N	UG/L											
Methyl Cyclohexane	108-87-2	N	UG/L		<0.1			<0.1	<0.1	<0.1				
Methyl Methanesulfonate	66-27-3	N	UG/L											
Naphthalene	91-20-3	N	UG/L		<1			<1	<1	<1				
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2			<2	<2	<2				
Nitrobenzene	98-95-3	N	UG/L		<1			<1	<1	<1				
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L											
N-Nitrosodiethylamine	55-18-5	N	UG/L											
N-Nitrosodimethylamine	62-75-9	N	UG/L											
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L											
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1			<1	<1	<1				
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2			<2	<2	<2				
N-Nitrosomorpholine	59-89-2	N	UG/L											

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Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L											
N-Nitrosopyrrolidine	930-55-2	N	UG/L											
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L											
O-Toluidine	95-53-4	N	UG/L											
para-Phenylenediamine	106-50-3	N	UG/L											
Pentachlorobenzene	608-93-5	N	UG/L											
Pentachloronitrobenzene	82-68-8	N	UG/L											
Pentachlorophenol	87-86-5	N	UG/L		<3			<3	<3	<4				
Phenacetin	62-44-2	N	UG/L											
Phenanthrene	85-01-8	N	UG/L		<1			<1	<1	<1				
Phenol	108-95-2	N	UG/L		<1			<1	<1	<1				
Pyrene	129-00-0	N	UG/L		<1			<1	<1	<1				
Pyridine	110-86-1	N	UG/L											
Safrole	94-59-7	N	UG/L											
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L											
Thionazin	297-97-2	N	UG/L											
Dimethoate	60-51-5	N	UG/L											
Atrazine	1912-24-9	N	UG/L		<2			<2	<2	<2				
Pronamide	23950-58-5	N	UG/L											
<i>Dowtherm</i>														
Biphenyl	92-52-4	N	UG/L		<1	<0.5		<1	<1	<1	<0.5			<0.5
Diphenyl Ether	101-84-8	N	UG/L		<1	<0.5		<1	<1	<1	<0.5			<0.5
<i>Glycols</i>														
Diethylene Glycol	111-46-6	N	UG/L			<8000					<8000			<8000
Ethylene Glycol	107-21-1	N	UG/L			<8000					<8000			<8000
Propylene Glycol	57-55-6	N	UG/L			<8000					<8000			<8000
Triethylene Glycol	112-27-6	N	UG/L			<8000					<8000			<8000
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L		<9.70 UJ	<0.330		<9.70 UJ	<9.70	<9.70	<0.330			<0.330
Antimony	7440-36-0	Y	UG/L				<0.330				<0.330			
Arsenic	7440-38-2	N	UG/L		<10.00	<0.820		<10.00	<10.00	<10.00	<0.820			<0.820
Arsenic	7440-38-2	Y	UG/L				<0.820				<0.820			
Barium	7440-39-3	N	UG/L		4.10 J	2.70 J		4.20 J	44.5	2.00 J	65.60 J			5.20 J
Barium	7440-39-3	Y	UG/L				1.90 J				79.20 J			
Beryllium	7440-41-7	N	UG/L		<0.900 UJ	<0.670		<0.900 UJ	<0.900 UJ	<0.900 UJ	<0.670			<0.670
Beryllium	7440-41-7	Y	UG/L				<0.670				<0.670			
Cadmium	7440-43-9	N	UG/L		<2.00	<0.170		<2.00	<2.00	<2.00	<0.170			<0.170
Cadmium	7440-43-9	Y	UG/L				<0.170				<0.170			
Calcium	7440-70-2	N	UG/L			572					18600.00			1100
Chromium	7440-47-3	N	UG/L		<3.00	<1.30		<3.00	<3.00 UJ	<3.00 UJ	<1.30			<1.30
Chromium	7440-47-3	Y	UG/L				<1.30				<1.30			
Cobalt	7440-48-4	N	UG/L		<2.10 UJ	<1.00		<2.10 UJ	<2.10 UJ	<2.10 UJ	1.00 J			<1.00

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-14	SW-14	SW-14	SW-15	SW-24	SW-25	SW-26	SW-26	SW-26	SW-27
				Field Sample ID	21396418	SSP14-SW-14	SSP14-SW-14-Z	21396420	21396422	21396406	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-27
				Sample Name	BRE-W-SW-14			BRE-W-SW-15	BRE-W-SW-24	BRE-W-SW-25				
				Date Sampled	02/04/2009	10/29/2014	10/29/2014	02/04/2009	02/05/2009	02/05/2009	10/22/2014	10/22/2014	10/22/2014	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	fs	fs	FS	FS
Cobalt	7440-48-4	Y	UG/L				<1.00					<1.00		
Copper	7440-50-8	N	UG/L		<2.70 UJ	<2.80		<2.70 UJ	3.10 B	3.10 B	<2.80			<2.80
Copper	7440-50-8	Y	UG/L				<2.80					<2.80		
Iron	7439-89-6	N	UG/L		111.0 J	240.0 J		1190	8370	<52.20	14700.00 J			308.0 J
Iron	7439-89-6	Y	UG/L				148.0 J					19200.00 J		
Lead	7439-92-1	N	UG/L		<6.90	<0.0820		<6.90	<6.90	<6.90	<0.0820			<0.0820
Lead	7439-92-1	Y	UG/L				<0.0820					<0.0820		
Magnesium	7439-95-4	N	UG/L			171.0 J					2580			372
Manganese	7439-96-5	N	UG/L		5.6	3.30 J		11.6	4560. J	3.40 J	6880			29.3
Manganese	7439-96-5	Y	UG/L				1.50 J					6420		
Mercury	7439-97-6	N	UG/L		0.00113	<0.0600		0.00464	0.00115	0.2020 B	<0.0600			<0.0600
Mercury	7439-97-6	Y	UG/L				<0.0600					<0.0600		
Nickel	7440-02-0	N	UG/L		<5.60	<1.60		<5.60	<5.60 UJ	<5.60 UJ	<1.60			<1.60
Nickel	7440-02-0	Y	UG/L				<1.60					<1.60		
Selenium	7782-49-2	N	UG/L		<10.70	<4.80		<10.70	<10.70	<10.70	<4.80			<4.80
Selenium	7782-49-2	Y	UG/L				<4.80					<4.80		
Silver	7440-22-4	N	UG/L		<2.20	<1.80 UJ		<2.20	<2.20	<2.20	<1.80			<1.80 UJ
Silver	7440-22-4	Y	UG/L				<1.80 UJ					<1.80		
Thallium	7440-28-0	N	UG/L		<14.00	<0.150		<14.00	<14.00	<14.00	0.220 J			<0.150
Thallium	7440-28-0	Y	UG/L				<0.150					<0.150		
Tin	7440-31-5	N	UG/L			<2.40					<2.40			<2.40
Tin	7440-31-5	Y	UG/L				<2.40					<2.40		
Vanadium	7440-62-2	N	UG/L		<2.50 UJ	<1.90		<2.50 UJ	<2.50 UJ	<2.50 UJ	<1.90			<1.90
Vanadium	7440-62-2	Y	UG/L				<1.90					<1.90		
Zinc	7440-66-6	N	UG/L		<8.10	3.70 B		<8.10	<8.10	<8.10	5.10 B			3.60 B
Zinc	7440-66-6	Y	UG/L				3.60000 B					6.70000 B		
<i>Miscellaneous</i>														
Nitrate	14797-55-8	N	UG/L								<250			
Nitrite	14797-65-0	N	UG/L								<250			
Diallate (cis Isomer)	EVS0487	N	UG/L											
Diallate (trans Isomer)	EVS0488	N	UG/L											
Total Hardness As CaCO3	471-34-1	N	UG/L			2100					57200			4300
Total Suspended Solids	C009	N	UG/L			8000					15200.00			1300 J

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
<i>Volatile Organic Compounds</i>																
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L													
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3		<0.3		<0.3		<0.3		<0.3		
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.2		<0.2		<0.2		<0.2		<0.2		
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,2-Dichlorobenzene	95-50-1	N	UG/L													
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
1,3-Dichlorobenzene	541-73-1	N	UG/L													
1,4-Dichlorobenzene	106-46-7	N	UG/L													
2-Hexanone	591-78-6	N	UG/L			<1.0		<1.0		<1.0		<1.0		<1.0		
Acetone	67-64-1	N	UG/L			<3.0		<3.0		<3.0		<3.0		<3.0		
Acetonitrile	75-05-8	N	UG/L			<7.0		<7.0		<7.0		<7.0		<7.0		
Acrolein	107-02-8	N	UG/L			<40		<40		<40		<40		<40		
Acrylonitrile	107-13-1	N	UG/L			<4		<4		<4		<4		<4		
Allyl Chloride	107-05-1	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Benzene	71-43-2	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Bromochloromethane	74-97-5	N	UG/L													
Bromodichloromethane	75-27-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Bromoform	75-25-2	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Carbon Disulfide	75-15-0	N	UG/L			<0.4		<0.4		<0.4		<0.4		<0.4		
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Chlorobenzene	108-90-7	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Chlorodibromomethane	124-48-1	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Chloroform	67-66-3	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Chloroprene	126-99-8	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Cumene	98-82-8	N	UG/L													
Cyclohexane	110-82-7	N	UG/L													
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Ethyl Chloride	75-00-3	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Ethylbenzene	100-41-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Iodomethane	74-88-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Isobutyl Alcohol	78-83-1	N	UG/L			<10		<10		<10		<10		<10		

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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
Meta- And Para-Xylene	EVS0253	N	UG/L													
Methacrylonitrile	126-98-7	N	UG/L			<1.0		<1.0		<1.0		<1.0		<1.0		
Methyl Acetate	79-20-9	N	UG/L													
Methyl Bromide	74-83-9	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Methyl Chloride	74-87-3	N	UG/L			<0.2		<0.2		<0.2		<0.2		<0.2		
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0		<1.0		<1.0		<1.0		<1.0		
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0		<1.0		<1.0		<1.0		<1.0		
Methyl Methacrylate	80-62-6	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L													
Methylene Bromide	74-95-3	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Methylene Chloride	75-09-2	N	UG/L			<0.2		<0.2		<0.2		<0.2		<0.2		
Ortho-Xylene	95-47-6	N	UG/L													
Pentachloroethane	76-01-7	N	UG/L			<0.2		<0.2		<0.2		<0.2		<0.2		
Propionitrile	107-12-0	N	UG/L			<2.0		<2.0		<2.0		<2.0		<2.0		
Styrene	100-42-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Tetrachloroethene	127-18-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Toluene	108-88-3	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0		<1.0		<1.0		<1.0		<1.0		
Trichloroethene	79-01-6	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
Vinyl Acetate	108-05-4	N	UG/L			<0.2		<0.2		<0.2		<0.2		<0.2		
Vinyl Chloride	75-01-4	N	UG/L			<0.010		<0.010		<0.010		<0.010		<0.010		
Xylenes	1330-20-7	N	UG/L			<0.1		<0.1		<0.1		<0.1		<0.1		
<i>Semivolatile Organic Compounds</i>																
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L													
1,2,4-Trichlorobenzene	120-82-1	N	UG/L													
1,2-Diphenylhydrazine	122-66-7	N	UG/L													
1,3,5-Trinitrobenzene	99-35-4	N	UG/L													
1,3-Dinitrobenzene	99-65-0	N	UG/L													
1,4-Dioxane	123-91-1	N	UG/L			<1		<1		<1		<1		<1		
1,4-Naphthoquinone	130-15-4	N	UG/L													
1-Methylnaphthalene	90-12-0	N	UG/L													
1-Naphthylamine	134-32-7	N	UG/L													
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L													
2,4,5-Trichlorophenol	95-95-4	N	UG/L													
2,4,6-Trichlorophenol	88-06-2	N	UG/L													
2,4-Dichlorophenol	120-83-2	N	UG/L													
2,4-Dimethylphenol	105-67-9	N	UG/L													
2,4-Dinitrophenol	51-28-5	N	UG/L													
2,4-Dinitrotoluene	121-14-2	N	UG/L													

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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
2,6-Dichlorophenol	87-65-0	N	UG/L													
2,6-Dinitrotoluene	606-20-2	N	UG/L													
2-Acetylaminofluorene	53-96-3	N	UG/L													
2-Chloronaphthalene	91-58-7	N	UG/L													
2-Chlorophenol	95-57-8	N	UG/L													
2-Methylnaphthalene	91-57-6	N	UG/L													
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L													
2-Naphthylamine	91-59-8	N	UG/L													
2-Nitroaniline	88-74-4	N	UG/L													
2-Nitrophenol	88-75-5	N	UG/L													
2-Picoline	109-06-8	N	UG/L													
3,3'-Dichlorobenzidine	91-94-1	N	UG/L													
3,3'-Dimethylbenzidine	119-93-7	N	UG/L													
3-Methylcholanthrene	56-49-5	N	UG/L													
3-Nitroaniline	99-09-2	N	UG/L													
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L													
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L													
4-Aminobiphenyl	92-67-1	N	UG/L													
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L													
4-Chloro-3-Methylphenol	59-50-7	N	UG/L													
4-Chloroaniline	106-47-8	N	UG/L													
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L													
4-Dimethylaminoazobenzene	60-11-7	N	UG/L													
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L													
4-Nitroaniline	100-01-6	N	UG/L													
4-Nitrophenol	100-02-7	N	UG/L													
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L													
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L													
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L													
Acenaphthene	83-32-9	N	UG/L													
Acenaphthylene	208-96-8	N	UG/L													
Acetophenone	98-86-2	N	UG/L													
Aniline	62-53-3	N	UG/L													
Anthracene	120-12-7	N	UG/L													
Benzaldehyde	100-52-7	N	UG/L													
Benzidine	92-87-5	N	UG/L													
Benzo(A)Anthracene	56-55-3	N	UG/L													
Benzo(B)Fluoranthene	205-99-2	N	UG/L													
Benzo(G,H,I)Perylene	191-24-2	N	UG/L													
Benzo(K)Fluoranthene	207-08-9	N	UG/L													
Benzo[A]Pyrene	50-32-8	N	UG/L													
Benzoic Acid	65-85-0	N	UG/L													

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
Benzyl Alcohol	100-51-6	N	UG/L													
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L													
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L													
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L													
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L													
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L													
Butyl Benzyl Phthalate	85-68-7	N	UG/L													
Caprolactam	105-60-2	N	UG/L													
Carbazole	86-74-8	N	UG/L													
Chlorobenzilate	510-15-6	N	UG/L													
Chrysene	218-01-9	N	UG/L													
Diallate	2303-16-4	N	UG/L													
Dibenz(A,H)Anthracene	53-70-3	N	UG/L													
Dibenzofuran	132-64-9	N	UG/L													
Diethyl Phthalate	84-66-2	N	UG/L													
Dimethyl Phthalate	131-11-3	N	UG/L													
Di-N-Butyl Phthalate	84-74-2	N	UG/L													
Ethyl Methanesulfonate	62-50-0	N	UG/L													
Fluoranthene	206-44-0	N	UG/L													
Fluorene	86-73-7	N	UG/L													
Hexachlorobenzene	118-74-1	N	UG/L													
Hexachlorobutadiene	87-68-3	N	UG/L													
Hexachlorocyclopentadiene	77-47-4	N	UG/L													
Hexachloroethane	67-72-1	N	UG/L													
Hexachloropropylene	1888-71-7	N	UG/L													
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L													
Isodrin	465-73-6	N	UG/L													
Isophorone	78-59-1	N	UG/L													
Isosafrole	120-58-1	N	UG/L													
Methapyrilene	91-80-5	N	UG/L													
Methyl Cyclohexane	108-87-2	N	UG/L													
Methyl Methanesulfonate	66-27-3	N	UG/L													
Naphthalene	91-20-3	N	UG/L													
N-Dioctyl Phthalate	117-84-0	N	UG/L													
Nitrobenzene	98-95-3	N	UG/L													
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L													
N-Nitrosodiethylamine	55-18-5	N	UG/L													
N-Nitrosodimethylamine	62-75-9	N	UG/L													
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L													
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L													
N-Nitrosodiphenylamine	86-30-6	N	UG/L													
N-Nitrosomorpholine	59-89-2	N	UG/L													

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
N-Nitrosopiperidine	100-75-4	N	UG/L													
N-Nitrosopyrrolidine	930-55-2	N	UG/L													
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L													
O-Toluidine	95-53-4	N	UG/L													
para-Phenylenediamine	106-50-3	N	UG/L													
Pentachlorobenzene	608-93-5	N	UG/L													
Pentachloronitrobenzene	82-68-8	N	UG/L													
Pentachlorophenol	87-86-5	N	UG/L													
Phenacetin	62-44-2	N	UG/L													
Phenanthrene	85-01-8	N	UG/L													
Phenol	108-95-2	N	UG/L													
Pyrene	129-00-0	N	UG/L													
Pyridine	110-86-1	N	UG/L													
Safrole	94-59-7	N	UG/L													
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L													
Thionazin	297-97-2	N	UG/L													
Dimethoate	60-51-5	N	UG/L													
Atrazine	1912-24-9	N	UG/L													
Pronamide	23950-58-5	N	UG/L													
<i>Dowtherm</i>																
Biphenyl	92-52-4	N	UG/L			<0.5		<0.6		<0.5		<0.5		<0.5		
Diphenyl Ether	101-84-8	N	UG/L			<0.5		<0.6		<0.5		<0.5		<0.5		
<i>Glycols</i>																
Diethylene Glycol	111-46-6	N	UG/L			<8000		<8000		<8000		<8000		<8000		
Ethylene Glycol	107-21-1	N	UG/L			<8000		<8000		<8000		<8000		<8000		
Propylene Glycol	57-55-6	N	UG/L			<8000		<8000		<8000		<8000		<8000		
Triethylene Glycol	112-27-6	N	UG/L			<8000		<8000		<8000		<8000		<8000		
<i>Inorganics</i>																
Antimony	7440-36-0	N	UG/L			<0.330		<0.330		<0.330		<0.330		<0.330		
Antimony	7440-36-0	Y	UG/L			<0.330		<0.330		<0.330		<0.330		<0.330		
Arsenic	7440-38-2	N	UG/L			<0.820		<0.820		<0.820		<0.820		<0.820		
Arsenic	7440-38-2	Y	UG/L			<0.820		<0.820		<0.820		<0.820		<0.820		
Barium	7440-39-3	N	UG/L			3.50 B		3.50 B		2.50 B		3.10 J		2.70 J		
Barium	7440-39-3	Y	UG/L			4.80 J		2.30 J		2.00 J		1.80 J		2.10 J		
Beryllium	7440-41-7	N	UG/L			<0.670		<0.670		<0.670		<0.670		<0.670		
Beryllium	7440-41-7	Y	UG/L			<0.670		<0.670		<0.670		<0.670		<0.670		
Cadmium	7440-43-9	N	UG/L			<0.170		<0.170		<0.170		<0.170		<0.170		
Cadmium	7440-43-9	Y	UG/L			<0.170		<0.170		<0.170		<0.170		<0.170		
Calcium	7440-70-2	N	UG/L			579		560		519		613		668		
Chromium	7440-47-3	N	UG/L			<1.30		<1.30		<1.30		<1.30		<1.30		
Chromium	7440-47-3	Y	UG/L			<1.30		<1.30		<1.30		<1.30		<1.30		
Cobalt	7440-48-4	N	UG/L			<1.00		<1.00		<1.00		<1.00		<1.00		

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Analyte	CAS No.	Filtered	Units	Location ID	SW-27	SW-28	SW-28	SW-29	SW-29	SW-30	SW-30	SW-31	SW-31	SW-32		
				Field Sample ID	SSP14-SW-27-Z	SSP14-SW-28	SSP14-SW-28-Z	SSP14-SW-29	SSP14-SW-29-Z	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32		
				Sample Name												
				Date Sampled	10/30/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
Cobalt	7440-48-4	Y	UG/L		<1.00		<1.00		<1.00		<1.00		<1.00			
Copper	7440-50-8	N	UG/L			<2.80		<2.80		<2.80		<2.80		<2.80		
Copper	7440-50-8	Y	UG/L		<2.80		<2.80		<2.80		<2.80		<2.80			
Iron	7439-89-6	N	UG/L			601		448		311.0 J		198.0 J		240.0 J		
Iron	7439-89-6	Y	UG/L		205.0 J		158.0 J		152.0 J		156.0 J		142.0 J			
Lead	7439-92-1	N	UG/L			0.330 J		0.350 J		0.170 J		<0.0820		<0.0820		
Lead	7439-92-1	Y	UG/L		<0.0820		<0.0820		<0.0820		<0.0820		<0.0820			
Magnesium	7439-95-4	N	UG/L			205		206		171.0 J		175.0 J		177.0 J		
Manganese	7439-96-5	N	UG/L			12.60 B		10.60 B		5.70 B		4.10 J		6.20 J		
Manganese	7439-96-5	Y	UG/L		22.4		1.90 J		1.30 J		1.30 J		1.70 J			
Mercury	7439-97-6	N	UG/L			<0.0600		<0.0600		<0.0600		<0.0600		<0.0600		
Mercury	7439-97-6	Y	UG/L		<0.0600		<0.0600		<0.0600		<0.0600		<0.0600			
Nickel	7440-02-0	N	UG/L			<1.60		<1.60		<1.60		<1.60		<1.60		
Nickel	7440-02-0	Y	UG/L		<1.60		<1.60		<1.60		<1.60		<1.60			
Selenium	7782-49-2	N	UG/L			<4.80		<4.80		<4.80		<4.80		<4.80		
Selenium	7782-49-2	Y	UG/L		<4.80		<4.80		<4.80		<4.80		<4.80			
Silver	7440-22-4	N	UG/L			<1.80		<1.80		<1.80		<1.80 UJ		<1.80 UJ		
Silver	7440-22-4	Y	UG/L		<1.80 UJ		<1.80		<1.80		<1.80		<1.80 UJ			
Thallium	7440-28-0	N	UG/L			<0.150		<0.150		<0.150		<0.150		<0.150		
Thallium	7440-28-0	Y	UG/L		<0.150		<0.150		<0.150		<0.150		<0.150			
Tin	7440-31-5	N	UG/L			<2.40		<2.40		<2.40		<2.40		<2.40		
Tin	7440-31-5	Y	UG/L		<2.40		<2.40		<2.40		<2.40		<2.40			
Vanadium	7440-62-2	N	UG/L			<1.90		<1.90		<1.90		<1.90		<1.90		
Vanadium	7440-62-2	Y	UG/L		<1.90		<1.90		<1.90		<1.90		<1.90			
Zinc	7440-66-6	N	UG/L			6.50 B		5.60 B		6.50 B		4.20 B		3.50 B		
Zinc	7440-66-6	Y	UG/L		8.70000 B		5.90000 B		<2.00000		3.50000 B		3.30000 B			
<i>Miscellaneous</i>																
Nitrate	14797-55-8	N	UG/L													
Nitrite	14797-65-0	N	UG/L													
Diallate (cis Isomer)	EVS0487	N	UG/L													
Diallate (trans Isomer)	EVS0488	N	UG/L													
Total Hardness As CaCO3	471-34-1	N	UG/L			2300		2200		2000		2300		2400		
Total Suspended Solids	C009	N	UG/L			5600 J		12800.00		9670		3200		4300		

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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5	
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566	
				Sample Name									BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>															
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L									<0.2	<0.2		
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3		<0.3		<0.3				<0.3	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.2		<0.2		<0.2		<0.2	<0.2	<0.2	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L									<0.1	<0.1	<0.1	
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L									<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	N	UG/L									<0.1	<0.1	<0.1	
2-Hexanone	591-78-6	N	UG/L			<1.0		<1.0		<1.0		<1.0	<1.0	<1.0	
Acetone	67-64-1	N	UG/L			<3.0		<3.0		<3.0		<3.0	<3.0	<3.0	
Acetonitrile	75-05-8	N	UG/L			<7.0		<7.0		<7.0				<7.0	
Acrolein	107-02-8	N	UG/L			<40		<40		<40					
Acrylonitrile	107-13-1	N	UG/L			<4		<4		<4				<1.0	
Allyl Chloride	107-05-1	N	UG/L			<0.1		<0.1		<0.1				<0.1	
Benzene	71-43-2	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Bromochloromethane	74-97-5	N	UG/L											<0.1	
Bromodichloromethane	75-27-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Bromoform	75-25-2	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Carbon Disulfide	75-15-0	N	UG/L			<0.4		<0.4		0.6 J		<0.4	<0.4	<0.4	
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Chloroform	67-66-3	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Chloroprene	126-99-8	N	UG/L			<0.1		<0.1		<0.1				<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Cumene	98-82-8	N	UG/L									<0.1	<0.1		
Cyclohexane	110-82-7	N	UG/L									<0.1	<0.1		
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1		<0.1		<0.1				<0.1	
Ethylbenzene	100-41-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Iodomethane	74-88-4	N	UG/L			<0.1		<0.1		<0.1				<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L			<10		<10		<10				<10	

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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5	
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566	
				Sample Name									BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L												
Methacrylonitrile	126-98-7	N	UG/L			<1.0		<1.0		<1.0				<1.0	
Methyl Acetate	79-20-9	N	UG/L									<0.3	<0.3		
Methyl Bromide	74-83-9	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Methyl Chloride	74-87-3	N	UG/L			<0.2		<0.2		<0.2		<0.2	<0.2	<0.2	
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0		<1.0		<1.0		<1.0	<1.0	<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0		<1.0		<1.0		<1.0	<1.0	<1.0	
Methyl Methacrylate	80-62-6	N	UG/L			<0.1		<0.1		<0.1				<0.1	
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L									<0.1	<0.1		
Methylene Bromide	74-95-3	N	UG/L			<0.1		<0.1		<0.1				<0.1	
Methylene Chloride	75-09-2	N	UG/L			<0.2		<0.2		<0.2		<0.2	<0.2	<0.2	
Ortho-Xylene	95-47-6	N	UG/L												
Pentachloroethane	76-01-7	N	UG/L			<0.2		<0.2		<0.2				<0.2	
Propionitrile	107-12-0	N	UG/L			<2.0		<2.0		<2.0				<2.0	
Styrene	100-42-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Toluene	108-88-3	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	0.8	
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0		<1.0		<1.0				<1.0	
Trichloroethene	79-01-6	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L			<0.2		<0.2		<0.2				<0.2	
Vinyl Chloride	75-01-4	N	UG/L			<0.010		<0.010		<0.010		<0.010	0.024 J	<0.010	
Xylenes	1330-20-7	N	UG/L			<0.1		<0.1		<0.1		<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>															
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L												
1,2,4-Trichlorobenzene	120-82-1	N	UG/L									<0.1	<0.1		
1,2-Diphenylhydrazine	122-66-7	N	UG/L											<0.5	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L												
1,3-Dinitrobenzene	99-65-0	N	UG/L												
1,4-Dioxane	123-91-1	N	UG/L			<1		<1		<1		<1	<1	<1	
1,4-Naphthoquinone	130-15-4	N	UG/L												
1-Methylnaphthalene	90-12-0	N	UG/L											<0.1	
1-Naphthylamine	134-32-7	N	UG/L												
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L												
2,4,5-Trichlorophenol	95-95-4	N	UG/L									<1	<1		
2,4,6-Trichlorophenol	88-06-2	N	UG/L									<1	<1		
2,4-Dichlorophenol	120-83-2	N	UG/L									<1	<1		
2,4-Dimethylphenol	105-67-9	N	UG/L									<3	<3		
2,4-Dinitrophenol	51-28-5	N	UG/L									<19	<19		
2,4-Dinitrotoluene	121-14-2	N	UG/L									<1	<1		

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5	
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566	
				Sample Name								BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5	
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L												
2,6-Dinitrotoluene	606-20-2	N	UG/L									<1	<1		
2-Acetylaminofluorene	53-96-3	N	UG/L												
2-Chloronaphthalene	91-58-7	N	UG/L									<2	<2		
2-Chlorophenol	95-57-8	N	UG/L									<1	<1		
2-Methylnaphthalene	91-57-6	N	UG/L									<1	<1	<0.1	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L									<1	<1		
2-Naphthylamine	91-59-8	N	UG/L												
2-Nitroaniline	88-74-4	N	UG/L									<1	<1		
2-Nitrophenol	88-75-5	N	UG/L									<1	<1		
2-Picoline	109-06-8	N	UG/L												
3,3'-Dichlorobenzidine	91-94-1	N	UG/L									<2	<2		
3,3'-Dimethylbenzidine	119-93-7	N	UG/L												
3-Methylcholanthrene	56-49-5	N	UG/L												
3-Nitroaniline	99-09-2	N	UG/L									<1	<1		
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L												
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L									<5	<5		
4-Aminobiphenyl	92-67-1	N	UG/L												
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L									<1	<1		
4-Chloro-3-Methylphenol	59-50-7	N	UG/L									<1	<1		
4-Chloroaniline	106-47-8	N	UG/L									<1	<1		
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L									<2	<2		
4-Dimethylaminoazobenzene	60-11-7	N	UG/L												
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L									<2	<2		
4-Nitroaniline	100-01-6	N	UG/L									<1	<1		
4-Nitrophenol	100-02-7	N	UG/L									<10	<10		
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L												
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L												
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L												
Acenaphthene	83-32-9	N	UG/L									<1	<1	<0.0097	
Acenaphthylene	208-96-8	N	UG/L									<1	<1	<0.0097	
Acetophenone	98-86-2	N	UG/L									<2	<2		
Aniline	62-53-3	N	UG/L												
Anthracene	120-12-7	N	UG/L									<1	<1	<0.0097	
Benzaldehyde	100-52-7	N	UG/L									<1	<1		
Benzidine	92-87-5	N	UG/L												
Benzo(A)Anthracene	56-55-3	N	UG/L									<1	<1	<0.0097	
Benzo(B)Fluoranthene	205-99-2	N	UG/L									<1	<1	<0.0097	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L									<1	<1	<0.0097	
Benzo(K)Fluoranthene	207-08-9	N	UG/L									<1	<1	<0.0097	
Benzo[A]Pyrene	50-32-8	N	UG/L									<1	<1	<0.0097	
Benzoic Acid	65-85-0	N	UG/L												

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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5	
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566	
				Sample Name								BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5	
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L												
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L												
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L									<1	<1		
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L									<1	<1		
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L									<1	<1		
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L									<2	<2		
Butyl Benzyl Phthalate	85-68-7	N	UG/L									<2	<2		
Caprolactam	105-60-2	N	UG/L									<5	<5		
Carbazole	86-74-8	N	UG/L									<1	<1		
Chlorobenzilate	510-15-6	N	UG/L												
Chrysene	218-01-9	N	UG/L									<1	<1	<0.0097	
Diallate	2303-16-4	N	UG/L												
Dibenz(A,H)Anthracene	53-70-3	N	UG/L									<1	<1	<0.0097	
Dibenzofuran	132-64-9	N	UG/L									<1	<1	<0.5	
Diethyl Phthalate	84-66-2	N	UG/L									<2	<2		
Dimethyl Phthalate	131-11-3	N	UG/L									<2	<2		
Di-N-Butyl Phthalate	84-74-2	N	UG/L									<2	<2		
Ethyl Methanesulfonate	62-50-0	N	UG/L												
Fluoranthene	206-44-0	N	UG/L									<1	<1	<0.0097	
Fluorene	86-73-7	N	UG/L									<1	<1	<0.0097	
Hexachlorobenzene	118-74-1	N	UG/L									<1	<1		
Hexachlorobutadiene	87-68-3	N	UG/L									<1	<1		
Hexachlorocyclopentadiene	77-47-4	N	UG/L									<5	<5		
Hexachloroethane	67-72-1	N	UG/L									<1	<1		
Hexachloropropylene	1888-71-7	N	UG/L												
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L									<1	<1	<0.0097	
Isodrin	465-73-6	N	UG/L												
Isophorone	78-59-1	N	UG/L									<1	<1		
Isosafrole	120-58-1	N	UG/L												
Methapyrilene	91-80-5	N	UG/L												
Methyl Cyclohexane	108-87-2	N	UG/L									<0.1	<0.1		
Methyl Methanesulfonate	66-27-3	N	UG/L												
Naphthalene	91-20-3	N	UG/L									<1	<1	<0.1	
N-Dioctyl Phthalate	117-84-0	N	UG/L									<2	<2		
Nitrobenzene	98-95-3	N	UG/L									<1	<1		
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L												
N-Nitrosodiethylamine	55-18-5	N	UG/L												
N-Nitrosodimethylamine	62-75-9	N	UG/L												
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L												
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L									<1	<1		
N-Nitrosodiphenylamine	86-30-6	N	UG/L									<2	<2		
N-Nitrosomorpholine	59-89-2	N	UG/L												

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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566
				Sample Name								BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L											
N-Nitrosopyrrolidine	930-55-2	N	UG/L											
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L											
O-Toluidine	95-53-4	N	UG/L											
para-Phenylenediamine	106-50-3	N	UG/L											
Pentachlorobenzene	608-93-5	N	UG/L											
Pentachloronitrobenzene	82-68-8	N	UG/L											
Pentachlorophenol	87-86-5	N	UG/L									<3	<3	
Phenacetin	62-44-2	N	UG/L											
Phenanthrene	85-01-8	N	UG/L									<1	<1	<0.029
Phenol	108-95-2	N	UG/L									<1	<1	<0.5
Pyrene	129-00-0	N	UG/L									<1	<1	<0.0097
Pyridine	110-86-1	N	UG/L											
Safrole	94-59-7	N	UG/L											
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L											
Thionazin	297-97-2	N	UG/L											
Dimethoate	60-51-5	N	UG/L											
Atrazine	1912-24-9	N	UG/L									<2	<2	
Pronamide	23950-58-5	N	UG/L											
<i>Dowtherm</i>														
Biphenyl	92-52-4	N	UG/L			<0.5		<0.5		<0.5		<1	<1	<0.5
Diphenyl Ether	101-84-8	N	UG/L			<0.5		<0.5		<0.5		<1	<1	<0.5
<i>Glycols</i>														
Diethylene Glycol	111-46-6	N	UG/L			<8000		<8000		<8000				<8000
Ethylene Glycol	107-21-1	N	UG/L			<8000		<8000		<8000				<8000
Propylene Glycol	57-55-6	N	UG/L			<8000		<8000		<8000				<8000
Triethylene Glycol	112-27-6	N	UG/L			<8000		<8000		<8000				<8000
<i>Inorganics</i>														
Antimony	7440-36-0	N	UG/L			<0.330		<0.330		<0.330		<9.70 UJ	<9.70 UJ	<0.330
Antimony	7440-36-0	Y	UG/L		<0.330		<0.330		<0.330		<0.330			
Arsenic	7440-38-2	N	UG/L			<0.820		<0.820		<0.820		<10.00	<10.00	<0.400
Arsenic	7440-38-2	Y	UG/L		<0.820		<0.820		<0.820		<0.820			
Barium	7440-39-3	N	UG/L			2.20 B		2.20 B		2.30 B		4.40 J	4.60 J	5.70 J
Barium	7440-39-3	Y	UG/L		2.10 J		1.80 J		2.00 J		1.90 J			
Beryllium	7440-41-7	N	UG/L			<0.670		<0.670		<0.670		<0.900 UJ	<0.900 UJ	<0.670
Beryllium	7440-41-7	Y	UG/L		<0.670		<0.670		<0.670		<0.670			
Cadmium	7440-43-9	N	UG/L			<0.170		<0.170		<0.170		<2.00	<2.00	<0.0820
Cadmium	7440-43-9	Y	UG/L		<0.170		<0.170		<0.170		<0.170			
Calcium	7440-70-2	N	UG/L			547		535		582				
Chromium	7440-47-3	N	UG/L			<1.30		<1.30		<1.30		<3.00	<3.00	<1.10
Chromium	7440-47-3	Y	UG/L		<1.30		<1.30		<1.30		<1.30			
Cobalt	7440-48-4	N	UG/L			<1.00		<1.00		<1.00		<2.10 UJ	<2.10 UJ	<0.660

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Analyte	CAS No.	Filtered	Units	Location ID	SW-32	SW-33	SW-33	SW-34	SW-34	SW-35	SW-35	SW-4	SW-5	SW-5	
				Field Sample ID	SSP14-SW-32-Z	SSP14-SW-33	SSP14-SW-33-Z	SSP14-SW-34	SSP14-SW-34-Z	SSP14-SW-35	SSP14-SW-35-Z	21399026	21399028	28223566	
				Sample Name								BRE-W-SW-4	BRE-W-SW-5	BRE-W-SW-5	
				Date Sampled	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	10/22/2014	02/04/2009	02/04/2009	09/26/2012
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L		<1.00		<1.00		<1.00		<1.00				
Copper	7440-50-8	N	UG/L			<2.80		<2.80		<2.80		<2.70 UJ	<2.70 UJ	<2.10	
Copper	7440-50-8	Y	UG/L		<2.80		<2.80		<2.80		<2.80				
Iron	7439-89-6	N	UG/L			227.0 J		224.0 J		233.0 J		184.0 J	263		
Iron	7439-89-6	Y	UG/L		158.0 J		156.0 J		143.0 J		152.0 J				
Lead	7439-92-1	N	UG/L			<0.0820		<0.0820		<0.0820		<6.90	<6.90	0.0680 J	
Lead	7439-92-1	Y	UG/L		<0.0820		<0.0820		<0.0820		<0.0820				
Magnesium	7439-95-4	N	UG/L			176.0 J		176.0 J		179.0 J					
Manganese	7439-96-5	N	UG/L			3.10 B		2.70 B		3.90 B		34.3	36.8		
Manganese	7439-96-5	Y	UG/L		4.00 J		0.840 J		0.940 J		0.830 J				
Mercury	7439-97-6	N	UG/L			<0.0600		<0.0600		<0.0600		0.605	0.588	<0.0700	
Mercury	7439-97-6	Y	UG/L		<0.0600		<0.0600		<0.0600		<0.0600				
Nickel	7440-02-0	N	UG/L			<1.60		<1.60		<1.60		<5.60	<5.60	<1.10	
Nickel	7440-02-0	Y	UG/L		<1.60		<1.60		<1.60		<1.60				
Selenium	7782-49-2	N	UG/L			<4.80		<4.80		<4.80		<10.70	<10.70	<7.50	
Selenium	7782-49-2	Y	UG/L		<4.80		<4.80		<4.80		<4.80				
Silver	7440-22-4	N	UG/L			<1.80		<1.80		<1.80		<2.20	<2.20	<1.20	
Silver	7440-22-4	Y	UG/L		<1.80 UJ		<1.80		<1.80		<1.80				
Thallium	7440-28-0	N	UG/L			<0.150		<0.150		<0.150		<14.00	<14.00	<0.150	
Thallium	7440-28-0	Y	UG/L		<0.150		<0.150		<0.150		<0.150				
Tin	7440-31-5	N	UG/L			<2.40		<2.40		<2.40					
Tin	7440-31-5	Y	UG/L		<2.40		<2.40		<2.40		<2.40				
Vanadium	7440-62-2	N	UG/L			<1.90		<1.90		<1.90		<2.50 UJ	<2.50 UJ	1.30 J	
Vanadium	7440-62-2	Y	UG/L		<1.90		<1.90		<1.90		<1.90				
Zinc	7440-66-6	N	UG/L			5.30 B		2.90 B		37.90 J		<8.10	<8.10	<2.00	
Zinc	7440-66-6	Y	UG/L		4.30000 B		3.10000 B		3.20000 B		2.80000 B				
<i>Miscellaneous</i>															
Nitrate	14797-55-8	N	UG/L												
Nitrite	14797-65-0	N	UG/L												
Diallate (cis Isomer)	EVS0487	N	UG/L												
Diallate (trans Isomer)	EVS0488	N	UG/L												
Total Hardness As CaCO3	471-34-1	N	UG/L			2100		2100		2200					
Total Suspended Solids	C009	N	UG/L			<2000		<1000		2000 J					

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Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L						<0.2				
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3			<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0		<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L			<7.0	<7.0			<7.0		<7.0	<7.0
Acrolein	107-02-8	N	UG/L				<40						<40
Acrylonitrile	107-13-1	N	UG/L		<1.0	<1.0	<4			<1.0	<1.0	<1.0	<4
Allyl Chloride	107-05-1	N	UG/L			<0.1	<0.1			<0.1		<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4		<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L			<0.1	<0.1			<0.1		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L						<0.1				
Cyclohexane	110-82-7	N	UG/L						<0.1				
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1	<0.1		<0.1	<0.1		<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1	<0.1			<0.1		<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10	<10			<10		<10	<10

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L										
Methacrylonitrile	126-98-7	N	UG/L			<1.0	<1.0			<1.0		<1.0	<1.0
Methyl Acetate	79-20-9	N	UG/L						<0.3				
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L			<0.1	<0.1			<0.1		<0.1	<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L						<0.1				
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2
Ortho-Xylene	95-47-6	N	UG/L										
Pentachloroethane	76-01-7	N	UG/L			<0.2	<0.2			<0.2		<0.2	<0.2
Propionitrile	107-12-0	N	UG/L			<2.0	<2.0			<2.0		<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		0.1 J	<0.1	<0.1		<0.1	1.1	0.1 J	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0			<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	<0.010		0.012 J	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L										
1,2,4-Trichlorobenzene	120-82-1	N	UG/L						<0.1				
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.5	<0.5	<0.5			<0.5	<0.5	<0.6	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L										
1,3-Dinitrobenzene	99-65-0	N	UG/L										
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	<1		<1	<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L										
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1
1-Naphthylamine	134-32-7	N	UG/L										
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L										
2,4,5-Trichlorophenol	95-95-4	N	UG/L						<1				
2,4,6-Trichlorophenol	88-06-2	N	UG/L						<1				
2,4-Dichlorophenol	120-83-2	N	UG/L						<1				
2,4-Dimethylphenol	105-67-9	N	UG/L						<3				
2,4-Dinitrophenol	51-28-5	N	UG/L						<19				
2,4-Dinitrotoluene	121-14-2	N	UG/L						<1				

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Former DuPont Brevard Facility
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Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L										
2,6-Dinitrotoluene	606-20-2	N	UG/L						<1				
2-Acetylaminofluorene	53-96-3	N	UG/L										
2-Chloronaphthalene	91-58-7	N	UG/L						<2				
2-Chlorophenol	95-57-8	N	UG/L						<1				
2-Methylnaphthalene	91-57-6	N	UG/L		<0.010	<0.1	<0.010		<1	<0.1	<0.010	<0.1	<0.010
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L						<1				
2-Naphthylamine	91-59-8	N	UG/L										
2-Nitroaniline	88-74-4	N	UG/L						<1				
2-Nitrophenol	88-75-5	N	UG/L						<1				
2-Picoline	109-06-8	N	UG/L										
3,3'-Dichlorobenzidine	91-94-1	N	UG/L						<2				
3,3'-Dimethylbenzidine	119-93-7	N	UG/L										
3-Methylcholanthrene	56-49-5	N	UG/L										
3-Nitroaniline	99-09-2	N	UG/L						<1				
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L										
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L						<5				
4-Aminobiphenyl	92-67-1	N	UG/L										
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L						<1				
4-Chloro-3-Methylphenol	59-50-7	N	UG/L						<1				
4-Chloroaniline	106-47-8	N	UG/L						<1				
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L						<2				
4-Dimethylaminoazobenzene	60-11-7	N	UG/L										
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L						<2				
4-Nitroaniline	100-01-6	N	UG/L						<1				
4-Nitrophenol	100-02-7	N	UG/L						<10				
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L										
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L										
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L										
Acenaphthene	83-32-9	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Acenaphthylene	208-96-8	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Acetophenone	98-86-2	N	UG/L						<2				
Aniline	62-53-3	N	UG/L										
Anthracene	120-12-7	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzaldehyde	100-52-7	N	UG/L						<1				
Benzidine	92-87-5	N	UG/L										
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Benzoic Acid	65-85-0	N	UG/L										

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L										
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L										
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L						<1				
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L						<1				
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L						<1				
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L						<2				
Butyl Benzyl Phthalate	85-68-7	N	UG/L						<2				
Caprolactam	105-60-2	N	UG/L						<5				
Carbazole	86-74-8	N	UG/L						<1				
Chlorobenzilate	510-15-6	N	UG/L										
Chrysene	218-01-9	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Diallate	2303-16-4	N	UG/L										
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	0.029 J	<0.011	<0.010
Dibenzofuran	132-64-9	N	UG/L		<0.5	<0.5	<0.5		<1	<0.5	<0.5	<0.6	<0.5
Diethyl Phthalate	84-66-2	N	UG/L						<2				
Dimethyl Phthalate	131-11-3	N	UG/L						<2				
Di-N-Butyl Phthalate	84-74-2	N	UG/L						<2				
Ethyl Methanesulfonate	62-50-0	N	UG/L										
Fluoranthene	206-44-0	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Fluorene	86-73-7	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Hexachlorobenzene	118-74-1	N	UG/L						<1				
Hexachlorobutadiene	87-68-3	N	UG/L						<1				
Hexachlorocyclopentadiene	77-47-4	N	UG/L						<5				
Hexachloroethane	67-72-1	N	UG/L						<1				
Hexachloropropylene	1888-71-7	N	UG/L										
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	0.014 J	<0.011	<0.010
Isodrin	465-73-6	N	UG/L										
Isophorone	78-59-1	N	UG/L						<1				
Isosafrole	120-58-1	N	UG/L										
Methapyrilene	91-80-5	N	UG/L										
Methyl Cyclohexane	108-87-2	N	UG/L						<0.1				
Methyl Methanesulfonate	66-27-3	N	UG/L										
Naphthalene	91-20-3	N	UG/L		<0.030	<0.1	<0.030		<1	<0.1	<0.031	<0.1	<0.030
N-Dioctyl Phthalate	117-84-0	N	UG/L						<2				
Nitrobenzene	98-95-3	N	UG/L						<1				
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L										
N-Nitrosodiethylamine	55-18-5	N	UG/L										
N-Nitrosodimethylamine	62-75-9	N	UG/L										
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L										
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L						<1				
N-Nitrosodiphenylamine	86-30-6	N	UG/L						<2				
N-Nitrosomorpholine	59-89-2	N	UG/L										

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L										
N-Nitrosopyrrolidine	930-55-2	N	UG/L										
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L										
O-Toluidine	95-53-4	N	UG/L										
para-Phenylenediamine	106-50-3	N	UG/L										
Pentachlorobenzene	608-93-5	N	UG/L										
Pentachloronitrobenzene	82-68-8	N	UG/L										
Pentachlorophenol	87-86-5	N	UG/L					<3					
Phenacetin	62-44-2	N	UG/L										
Phenanthrene	85-01-8	N	UG/L		<0.030	<0.032	<0.030		<1	<0.029	<0.031	<0.033	<0.030
Phenol	108-95-2	N	UG/L		<0.5	<0.5	<0.5		<1	<0.5	<0.5	<0.6	<0.5
Pyrene	129-00-0	N	UG/L		<0.010	<0.011	<0.010		<1	<0.0098	<0.010	<0.011	<0.010
Pyridine	110-86-1	N	UG/L										
Safrole	94-59-7	N	UG/L										
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L										
Thionazin	297-97-2	N	UG/L										
Dimethoate	60-51-5	N	UG/L										
Atrazine	1912-24-9	N	UG/L						<2				
Pronamide	23950-58-5	N	UG/L										
<i>Dowtherm</i>													
Biphenyl	92-52-4	N	UG/L		<0.5	<0.5	<0.5		<1	<0.5	<0.5	<0.6	<0.5
Diphenyl Ether	101-84-8	N	UG/L		<0.5	<0.5	<0.5		<1	<0.5	<0.5	<0.6	<0.5
<i>Glycols</i>													
Diethylene Glycol	111-46-6	N	UG/L		<8000	<8000	<8000			<8000	<8000	<8000	<8000
Ethylene Glycol	107-21-1	N	UG/L		<8000	<8000	<8000			<8000	<8000	<8000	<8000
Propylene Glycol	57-55-6	N	UG/L		<8000	<8000	<8000			<8000	<8000	<8000	<8000
Triethylene Glycol	112-27-6	N	UG/L		<8000	<8000	<8000			<8000	<8000	<8000	<8000
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<0.340	<0.340	<0.330		<9.70 UJ	<0.330	<0.340	<0.340	<0.330
Antimony	7440-36-0	Y	UG/L				<0.330						
Arsenic	7440-38-2	N	UG/L		<0.780	<0.420	<0.820		<10.00	<0.400	<0.780	<0.420	<0.820
Arsenic	7440-38-2	Y	UG/L				<0.820						
Barium	7440-39-3	N	UG/L		5.80 B	6.70 J	8.00 J		3.70 J	5.50 J	5.50 B	6.10 J	5.60 J
Barium	7440-39-3	Y	UG/L				5.50 J						
Beryllium	7440-41-7	N	UG/L		<0.670	<0.670	<0.670		<0.900 UJ	<0.670	<0.670	<0.670	<0.670
Beryllium	7440-41-7	Y	UG/L				<0.670						
Cadmium	7440-43-9	N	UG/L		<0.230	<0.230	<0.170		<2.00	<0.0820	<0.230	<0.230	<0.170
Cadmium	7440-43-9	Y	UG/L				<0.170						
Calcium	7440-70-2	N	UG/L				2670. B						1080. B
Chromium	7440-47-3	N	UG/L		<1.60	<1.60	<1.30		<3.00	1.70 J	<1.60	<1.60	<1.30
Chromium	7440-47-3	Y	UG/L				<1.30						
Cobalt	7440-48-4	N	UG/L		<1.30	<1.30	<1.00		<2.10 UJ	<0.660	<1.30	<1.30	<1.00

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-5	SW-5	SW-5	SW-5	SW-6	SW-6	SW-6	SW-6	SW-6
				Field Sample ID	GW1H14-SW-5	GW2H13-SW-5	GW2H14-SW-5	GW2H14-SW-5-Z	21399030	28223569	GW1H14-SW-6	GW2H13-SW-6	GW2H14-SW-6
				Sample Name					BRE-W-SW-6	BRE-W-SW-6			
				Date Sampled	04/10/2014	10/10/2013	10/30/2014	10/30/2014	02/04/2009	09/26/2012	04/10/2014	10/10/2013	10/30/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L					<1.00					
Copper	7440-50-8	N	UG/L		<2.70	<2.70	<2.80		<2.70 UJ	<2.10	<2.70	<2.70	<2.80
Copper	7440-50-8	Y	UG/L				<2.80						
Iron	7439-89-6	N	UG/L				653		141.0 J				299.0 J
Iron	7439-89-6	Y	UG/L					268.0 J					
Lead	7439-92-1	N	UG/L		<0.0850	<0.0850	0.190 J		<6.90	0.0810 J	0.0950 J	<0.0850	<0.0820
Lead	7439-92-1	Y	UG/L					<0.0820					
Magnesium	7439-95-4	N	UG/L				481						393
Manganese	7439-96-5	N	UG/L				53.2		21.8				26.3
Manganese	7439-96-5	Y	UG/L					33.9					
Mercury	7439-97-6	N	UG/L		<0.0600	<0.0600	<0.0600		0.508	<0.0700	<0.0600	<0.0600	<0.0600
Mercury	7439-97-6	Y	UG/L					<0.0600					
Nickel	7440-02-0	N	UG/L		<1.50	<1.50	<1.60		<5.60	<1.10	<1.50	<1.50	<1.60
Nickel	7440-02-0	Y	UG/L					<1.60					
Selenium	7782-49-2	N	UG/L		<8.40	<8.40	<4.80		<10.70	<7.50	<8.40	<8.40	<4.80
Selenium	7782-49-2	Y	UG/L					<4.80					
Silver	7440-22-4	N	UG/L		<2.10	<2.10	<1.80 UJ		<2.20	1.40 J	<2.10	<2.10	<1.80 UJ
Silver	7440-22-4	Y	UG/L					<1.80					
Thallium	7440-28-0	N	UG/L		<0.150	<0.150	<0.150		<14.00	<0.150	<0.150	<0.150	<0.150
Thallium	7440-28-0	Y	UG/L					<0.150					
Tin	7440-31-5	N	UG/L				<2.40						<2.40
Tin	7440-31-5	Y	UG/L					<2.40					
Vanadium	7440-62-2	N	UG/L		<2.00	<2.00	<1.90		<2.50 UJ	2.40 J	<2.00	<2.00	<1.90
Vanadium	7440-62-2	Y	UG/L					<1.90					
Zinc	7440-66-6	N	UG/L		<2.00	<2.00	2.90 B		<8.10	<2.00	<2.00	<2.00	4.30 B
Zinc	7440-66-6	Y	UG/L					4.40000 B					
<i>Miscellaneous</i>													
Nitrate	14797-55-8	N	UG/L										
Nitrite	14797-65-0	N	UG/L										
Diallate (cis Isomer)	EVS0487	N	UG/L										
Diallate (trans Isomer)	EVS0488	N	UG/L										
Total Hardness As CaCO3	471-34-1	N	UG/L				8600 B						4300 B
Total Suspended Solids	C009	N	UG/L				37600.00						<1000

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L				<0.2		<0.2	<0.2		
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3						<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0		<3.0		<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0						<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40							
Acrylonitrile	107-13-1	N	UG/L		<4						<1.0	<1.0
Allyl Chloride	107-05-1	N	UG/L		<0.1						<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	0.3 J
Bromochloromethane	74-97-5	N	UG/L		<0.1						<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4		<0.4		<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1						<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1		<0.1		<0.1	0.2 J	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Cumene	98-82-8	N	UG/L				<0.1		<0.1	<0.1		
Cyclohexane	110-82-7	N	UG/L				<0.1		<0.1	<0.1		
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1						<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1						<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10						<10	<10

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L									
Methacrylonitrile	126-98-7	N	UG/L		<1.0						<1.0	<1.0
Methyl Acetate	79-20-9	N	UG/L				<0.3		<0.3	<0.3		
Methyl Bromide	74-83-9	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0		<1.0		<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1						<0.1	<0.1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L				<0.1		<0.1	<0.1		
Methylene Bromide	74-95-3	N	UG/L		<0.1						<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2	<0.2
Ortho-Xylene	95-47-6	N	UG/L									
Pentachloroethane	76-01-7	N	UG/L		<0.2						<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0						<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	4.9	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0						<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2						<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010		<0.010		<0.010	0.064	<0.010	0.013 J
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>												
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L									
1,2,4-Trichlorobenzene	120-82-1	N	UG/L				<0.1		<0.1	<0.1		
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<0.5						<0.5	<0.5
1,3,5-Trinitrobenzene	99-35-4	N	UG/L									
1,3-Dinitrobenzene	99-65-0	N	UG/L									
1,4-Dioxane	123-91-1	N	UG/L		<1		<1		<1	<1	<1	<1
1,4-Naphthoquinone	130-15-4	N	UG/L									
1-Methylnaphthalene	90-12-0	N	UG/L		<0.1						<0.1	<0.1
1-Naphthylamine	134-32-7	N	UG/L									
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L									
2,4,5-Trichlorophenol	95-95-4	N	UG/L				<1		<1	<1		
2,4,6-Trichlorophenol	88-06-2	N	UG/L				<1		<1	<1		
2,4-Dichlorophenol	120-83-2	N	UG/L				<1		<1	<1		
2,4-Dimethylphenol	105-67-9	N	UG/L				<3		<3	<3		
2,4-Dinitrophenol	51-28-5	N	UG/L				<20		<22	<21		
2,4-Dinitrotoluene	121-14-2	N	UG/L				<1		<1	<1		

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L									
2,6-Dinitrotoluene	606-20-2	N	UG/L				<1		<1	<1		
2-Acetylaminofluorene	53-96-3	N	UG/L									
2-Chloronaphthalene	91-58-7	N	UG/L				<2		<2	<2		
2-Chlorophenol	95-57-8	N	UG/L				<1		<1	<1		
2-Methylnaphthalene	91-57-6	N	UG/L		<0.010		<1		<1	<1	<0.1	<0.1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L				<1		<1	<1		
2-Naphthylamine	91-59-8	N	UG/L									
2-Nitroaniline	88-74-4	N	UG/L				<1		<1	<1		
2-Nitrophenol	88-75-5	N	UG/L				<1		<1	<1		
2-Picoline	109-06-8	N	UG/L									
3,3'-Dichlorobenzidine	91-94-1	N	UG/L				<2		<2	<2		
3,3'-Dimethylbenzidine	119-93-7	N	UG/L									
3-Methylcholanthrene	56-49-5	N	UG/L									
3-Nitroaniline	99-09-2	N	UG/L				<1		<1	<1		
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L									
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L				<5		<5	<5		
4-Aminobiphenyl	92-67-1	N	UG/L									
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L				<1		<1	<1		
4-Chloro-3-Methylphenol	59-50-7	N	UG/L				<1		<1	<1		
4-Chloroaniline	106-47-8	N	UG/L				<1		<1	<1		
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L				<2		<2	<2		
4-Dimethylaminoazobenzene	60-11-7	N	UG/L									
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L				<2		<2	<2		
4-Nitroaniline	100-01-6	N	UG/L				<1		<1	<1		
4-Nitrophenol	100-02-7	N	UG/L				<10		<11	<10		
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L									
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L									
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L									
Acenaphthene	83-32-9	N	UG/L		<0.010		<1		<1	<1	0.027 J	0.034 J
Acenaphthylene	208-96-8	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Acetophenone	98-86-2	N	UG/L				<2		<2	<2		
Aniline	62-53-3	N	UG/L									
Anthracene	120-12-7	N	UG/L		<0.010		<1		<1	<1	<0.0099	0.013 J
Benzaldehyde	100-52-7	N	UG/L				<1		<1	<1		
Benzidine	92-87-5	N	UG/L									
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Benzoic Acid	65-85-0	N	UG/L									

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L									
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L									
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L				<1		<1	<1		
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L				<1		<1	<1		
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L				<1		<1	<1		
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L				<2		<2	<2		
Butyl Benzyl Phthalate	85-68-7	N	UG/L				<2		<2	<2		
Caprolactam	105-60-2	N	UG/L				<5		<5	<5		
Carbazole	86-74-8	N	UG/L				<1		<1	<1		
Chlorobenzilate	510-15-6	N	UG/L									
Chrysene	218-01-9	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Diallate	2303-16-4	N	UG/L									
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Dibenzofuran	132-64-9	N	UG/L		<0.5		<1		<1	<1	<0.5	<0.5
Diethyl Phthalate	84-66-2	N	UG/L				<2		<2	<2 UJ		
Dimethyl Phthalate	131-11-3	N	UG/L				<2		<2	<2 UJ		
Di-N-Butyl Phthalate	84-74-2	N	UG/L				<2		<2	<2		
Ethyl Methanesulfonate	62-50-0	N	UG/L									
Fluoranthene	206-44-0	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Fluorene	86-73-7	N	UG/L		<0.010		<1		<1	<1	<0.0099	0.027 J
Hexachlorobenzene	118-74-1	N	UG/L				<1		<1	<1		
Hexachlorobutadiene	87-68-3	N	UG/L				<1		<1	<1		
Hexachlorocyclopentadiene	77-47-4	N	UG/L				<5		<5	<5		
Hexachloroethane	67-72-1	N	UG/L				<1		<1	<1		
Hexachloropropylene	1888-71-7	N	UG/L									
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Isodrin	465-73-6	N	UG/L									
Isophorone	78-59-1	N	UG/L				<1		<1	<1		
Isosafrole	120-58-1	N	UG/L									
Methapyrilene	91-80-5	N	UG/L									
Methyl Cyclohexane	108-87-2	N	UG/L				<0.1		<0.1	<0.1		
Methyl Methanesulfonate	66-27-3	N	UG/L									
Naphthalene	91-20-3	N	UG/L		<0.030		<1		<1	<1	<0.1	<0.1
N-Dioctyl Phthalate	117-84-0	N	UG/L				<2		<2	<2		
Nitrobenzene	98-95-3	N	UG/L				<1		<1	<1 UJ		
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L									
N-Nitrosodiethylamine	55-18-5	N	UG/L									
N-Nitrosodimethylamine	62-75-9	N	UG/L									
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L									
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L				<1		<1	<1		
N-Nitrosodiphenylamine	86-30-6	N	UG/L				<2		<2	<2		
N-Nitrosomorpholine	59-89-2	N	UG/L									

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L									
N-Nitrosopyrrolidine	930-55-2	N	UG/L									
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L									
O-Toluidine	95-53-4	N	UG/L									
para-Phenylenediamine	106-50-3	N	UG/L									
Pentachlorobenzene	608-93-5	N	UG/L									
Pentachloronitrobenzene	82-68-8	N	UG/L									
Pentachlorophenol	87-86-5	N	UG/L				<3		<3	<3		
Phenacetin	62-44-2	N	UG/L									
Phenanthrene	85-01-8	N	UG/L		<0.030		<1		<1	<1	<0.030	<0.031
Phenol	108-95-2	N	UG/L		<0.5		<1		<1	<1	<0.5	<0.5
Pyrene	129-00-0	N	UG/L		<0.010		<1		<1	<1	<0.0099	<0.010
Pyridine	110-86-1	N	UG/L									
Safrole	94-59-7	N	UG/L									
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L									
Thionazin	297-97-2	N	UG/L									
Dimethoate	60-51-5	N	UG/L									
Atrazine	1912-24-9	N	UG/L				<2		<2	<2		
Pronamide	23950-58-5	N	UG/L									
<i>Dowtherm</i>												
Biphenyl	92-52-4	N	UG/L		<0.5		<1		<1	<1	<0.5	<0.5
Diphenyl Ether	101-84-8	N	UG/L		<0.5		<1		<1	<1	2	0.8 J
<i>Glycols</i>												
Diethylene Glycol	111-46-6	N	UG/L		<8000			<4200			<8000	<8000
Ethylene Glycol	107-21-1	N	UG/L		<8000			<5200			<8000	<8000
Propylene Glycol	57-55-6	N	UG/L		<8000			<3900			<8000	<8000
Triethylene Glycol	112-27-6	N	UG/L		<8000			<6900			<8000	<8000
<i>Inorganics</i>												
Antimony	7440-36-0	N	UG/L		<0.330		<9.70 UJ		<9.70 UJ	<9.70 UJ	<0.330	<0.340
Antimony	7440-36-0	Y	UG/L			<0.330						
Arsenic	7440-38-2	N	UG/L		<0.820		<10.00		<10.00	<10.00	<0.400	<0.420
Arsenic	7440-38-2	Y	UG/L			<0.820						
Barium	7440-39-3	N	UG/L		6.00 J		3.70 J		3.90 J	4.20 J	14.1	10.9
Barium	7440-39-3	Y	UG/L			5.30 J						
Beryllium	7440-41-7	N	UG/L		<0.670		<0.900 UJ		<0.900 UJ	<0.900 UJ	<0.670	<0.670
Beryllium	7440-41-7	Y	UG/L			<0.670						
Cadmium	7440-43-9	N	UG/L		<0.170		<2.00		<2.00	<2.00	<0.0820	<0.230
Cadmium	7440-43-9	Y	UG/L			<0.170						
Calcium	7440-70-2	N	UG/L		2060. B							
Chromium	7440-47-3	N	UG/L		<1.30		<3.00		<3.00	<3.00	<1.10	<1.60
Chromium	7440-47-3	Y	UG/L			<1.30						
Cobalt	7440-48-4	N	UG/L		<1.00		<2.10 UJ		<2.10 UJ	<2.10 UJ	<0.660	<1.30

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-6	SW-6	SW-7	SW-8	SW-8	SW-9	SW-BALLFIELD	SW-BALLFIELD
				Field Sample ID	GW2H14-SW-6-D	GW2H14-SW-6-Z	21399032	16295863	21396408	21396410	28223572	GW2H13-SW-BALLFIELD
				Sample Name			BRE-W-SW-7	BRE-W-SW-8	BRE-W-SW-8	BRE-W-SW-9	BRE-W-SW-BALLFIELD	
				Date Sampled	10/30/2014	10/30/2014	02/04/2009	03/31/2006	02/04/2009	02/04/2009	09/26/2012	10/10/2013
				Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L			<1.00						
Copper	7440-50-8	N	UG/L		<2.80		<2.70 UJ		<2.70 UJ	<2.70 UJ	<2.10	<2.70
Copper	7440-50-8	Y	UG/L			<2.80						
Iron	7439-89-6	N	UG/L		310.0 J		125.0 J		566	499		
Iron	7439-89-6	Y	UG/L			206.0 J						
Lead	7439-92-1	N	UG/L		<0.0820		<6.90		<6.90	<6.90	1.00 J	0.370 J
Lead	7439-92-1	Y	UG/L			<0.0820						
Magnesium	7439-95-4	N	UG/L		404							
Manganese	7439-96-5	N	UG/L		26.9		14		178	274		
Manganese	7439-96-5	Y	UG/L			17.8						
Mercury	7439-97-6	N	UG/L		<0.0600		0.517		0.998	0.797	<0.0700	<0.0600
Mercury	7439-97-6	Y	UG/L			<0.0600						
Nickel	7440-02-0	N	UG/L		<1.60		<5.60		<5.60	<5.60	<1.10	<1.50
Nickel	7440-02-0	Y	UG/L			<1.60						
Selenium	7782-49-2	N	UG/L		<4.80		<10.70		<10.70	<10.70	<7.50	<8.40
Selenium	7782-49-2	Y	UG/L			<4.80						
Silver	7440-22-4	N	UG/L		<1.80 UJ		<2.20		<2.20	<2.20	<1.20	<2.10
Silver	7440-22-4	Y	UG/L			<1.80						
Thallium	7440-28-0	N	UG/L		<0.150		<14.00		<14.00	<14.00	<0.150	<0.150
Thallium	7440-28-0	Y	UG/L			<0.150						
Tin	7440-31-5	N	UG/L		<2.40							
Tin	7440-31-5	Y	UG/L			<2.40						
Vanadium	7440-62-2	N	UG/L		<1.90		<2.50 UJ		<2.50 UJ	<2.50 UJ	1.30 J	<2.00
Vanadium	7440-62-2	Y	UG/L			<1.90						
Zinc	7440-66-6	N	UG/L		3.00 B		<8.10		<8.10	<8.10	4.80 J	2.20 J
Zinc	7440-66-6	Y	UG/L			4.00000 B						
<i>Miscellaneous</i>												
Nitrate	14797-55-8	N	UG/L									
Nitrite	14797-65-0	N	UG/L									
Diallate (cis Isomer)	EVS0487	N	UG/L									
Diallate (trans Isomer)	EVS0488	N	UG/L									
Total Hardness As CaCO3	471-34-1	N	UG/L		6800 B							
Total Suspended Solids	C009	N	UG/L									

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
<i>Volatile Organic Compounds</i>													
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1		<0.1		<0.12	<0.1	<0.1	<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1		<0.1		<0.11	<0.12	<0.12	<0.12	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1		<0.1		<0.15	<0.1	<0.1	<0.1	
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L										
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3		<0.3		<0.17	<0.1	<0.1	<0.1	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2		<0.5		<0.1	<0.1	<0.1	<0.1	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L				<1		<0.1	<0.1	<0.1	<0.1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L				<1		<0.1	<0.1	<0.1	<0.1	
1,4-Dichlorobenzene	106-46-7	N	UG/L				<1		<0.1	<0.1	<0.1	<0.1	
2-Hexanone	591-78-6	N	UG/L		<1.0		<1.0		<0.5	<0.5	<0.5	<0.5	
Acetone	67-64-1	N	UG/L		<3.0		<3.0		<0.76	2.7 B	2.2 B	2.9 B	
Acetonitrile	75-05-8	N	UG/L		<7.0		<7.0		<0.1	<0.23	<0.23	<0.23	
Acrolein	107-02-8	N	UG/L		<40		<40						
Acrylonitrile	107-13-1	N	UG/L		<4		<4						
Allyl Chloride	107-05-1	N	UG/L		<0.1		<0.1		<0.1	<0.32	<0.32	<0.32	
Benzene	71-43-2	N	UG/L		0.5		<0.1		<0.1	<0.1	<0.1	1.3	
Bromochloromethane	74-97-5	N	UG/L										
Bromodichloromethane	75-27-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Bromoform	75-25-2	N	UG/L		<0.1		<0.1		<0.1	<0.15	<0.15	<0.15	
Carbon Disulfide	75-15-0	N	UG/L		<0.4		<0.1		<0.1	<0.1	<0.1	<0.1	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Chloroform	67-66-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1		<0.1		<0.15	<0.1	<0.1	0.10 J	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1		<0.1		<0.11	<0.1	<0.1	<0.1	
Cumene	98-82-8	N	UG/L										
Cyclohexane	110-82-7	N	UG/L										
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.1		<0.1		<0.12	<0.13	<0.13	<0.13	
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1		<0.1		<1	<1	<1	<1	
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Iodomethane	74-88-4	N	UG/L		<0.1		<0.1		<0.46	<0.1	<0.1	<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<10		<10		<7.7	<7.7	<7.7	<7.7	

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L						<0.2	<0.2	<0.2	<0.2	
Methacrylonitrile	126-98-7	N	UG/L		<1.0		<1.0		<1	<1	<1	<1	
Methyl Acetate	79-20-9	N	UG/L										
Methyl Bromide	74-83-9	N	UG/L		<0.1		<0.1		<0.14	<0.47	<0.47	<0.47	
Methyl Chloride	74-87-3	N	UG/L		<0.2		<0.1		<0.1	<0.1	<0.1	<0.1	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0		<1.0		<0.79	<0.5	<0.5	<0.5	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0		<1.0		<0.57	<0.5	<0.5	<0.5	
Methyl Methacrylate	80-62-6	N	UG/L		<0.1		<0.1		<1	<1	<1	<1	
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L										
Methylene Bromide	74-95-3	N	UG/L		<0.1		<0.1		<0.11	<0.1	<0.1	<0.1	
Methylene Chloride	75-09-2	N	UG/L		<0.2		<0.2		<0.12	0.12 B	0.16 B	0.30 B	
Ortho-Xylene	95-47-6	N	UG/L						<0.1	<0.1	<0.1	<0.1	
Pentachloroethane	76-01-7	N	UG/L		<0.2		<0.2		<0.13	<0.1	<0.1	<0.1	
Propionitrile	107-12-0	N	UG/L		<2.0		<2.0		<7.6	<5	<5	<5	
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.1		<0.1		<0.16	<0.11	<0.11	<0.11	
Toluene	108-88-3	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	0.13 B	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0		<1.0		<4	<4	<4	<4	
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		<0.1		<0.13	<0.1	<0.1	<0.1	
Vinyl Acetate	108-05-4	N	UG/L		<0.2		<0.2		<0.2	<0.2	<0.2	<0.2	
Vinyl Chloride	75-01-4	N	UG/L		0.019 J		<0.010		0.053	0.0093 B	0.011 B	0.17	
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1	<0.1	<0.1	<0.1	
<i>Semivolatile Organic Compounds</i>													
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L				<2		<1	<0.69	<0.69		<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L				<1		<0.99	<0.73	<0.73		<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L				<1		<0.74	<1.1	<1.1		<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L				<5		<0.41	<1	<1		<1
1,3-Dinitrobenzene	99-65-0	N	UG/L				<2		<0.72	<0.94	<0.94		<0.94
1,4-Dioxane	123-91-1	N	UG/L		<1		<1		<6.9	<2.5	<2.5	<2.5	
1,4-Naphthoquinone	130-15-4	N	UG/L				<10 R		<1.4 UJ	<0.22	<0.22		<0.22
1-Methylnaphthalene	90-12-0	N	UG/L				<1		<0.94	<0.015	<0.015		0.025 B
1-Naphthylamine	134-32-7	N	UG/L				<5		<2.2 UJ	<0.68	<0.68		<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L				<2		<1.6	<0.89	<0.89		<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L				<1		<4.3	<1	<1		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L				<1		<2.9	<0.98	<0.98		<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L				<1		<1.3	<0.82	<0.82		<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L				<1		<0.96	<1.2	<1.2		<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L				<19		<3.5	<2.5	<2.5		<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L				<1		<0.76	<1.1	<1.1		<1.1

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L				<2		<1.4	<0.78	<0.78		<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L				<1		<0.74	<0.88	<0.88		<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L				<2		<0.8	<0.99	<0.99		<0.99
2-Chloronaphthalene	91-58-7	N	UG/L				<1		<0.81	<0.88 UJ	<0.88 UJ		<0.88
2-Chlorophenol	95-57-8	N	UG/L				<1		<1.2	<0.58	<0.58		<0.58
2-Methylnaphthalene	91-57-6	N	UG/L				<1		<0.83	<0.0095	<0.0095		0.034 B
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L				<1		<0.77	<0.88	<0.88		<0.88
2-Naphthylamine	91-59-8	N	UG/L				<5		<1.5 R	<0.71	<0.71		<0.71
2-Nitroaniline	88-74-4	N	UG/L				<1		<0.96	<1.2	<1.2		<1.2
2-Nitrophenol	88-75-5	N	UG/L				<1		<1.4	<0.64	<0.64		<0.64
2-Picoline	109-06-8	N	UG/L				<2		<0.6	<0.79	<0.79		<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L				<1		<0.7	<0.92	<0.92		<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L				<10		<2.8	<1.3	<1.3		<1.3
3-Methylcholanthrene	56-49-5	N	UG/L				<2		<0.53	<0.78	<0.78		<0.78
3-Nitroaniline	99-09-2	N	UG/L				<1		<1.4	<0.82	<0.82		<0.82
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L				<5 UJ						
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L				<5		<4.2	<0.76	<0.76		<0.76
4-Aminobiphenyl	92-67-1	N	UG/L				<2		<1.2 UJ	<0.55	<0.55		<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L				<1		<0.81	<0.9	<0.9		<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L				<1		<0.48	<1.1	<1.1		<1.1
4-Chloroaniline	106-47-8	N	UG/L				<1		<0.68	<0.99	<0.99		<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L				<1		<0.89	<0.92	<0.92		<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L				<2		<0.86	<0.74	<0.74		<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L				<2		<1.6	<0.93 UJ	<0.93 UJ		<0.93
4-Nitroaniline	100-01-6	N	UG/L				<1		<1.3	<0.92	<0.92		<0.92
4-Nitrophenol	100-02-7	N	UG/L				<10		<3.8	<0.75	<0.75		<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L				<19		<10	<0.6	<0.6		<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L				<3		<1.4	<0.87	<0.87		<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L				<2		<0.57	<0.72	<0.72		<0.72
Acenaphthene	83-32-9	N	UG/L				<1		<2.9	0.017 J	0.017 J		0.46
Acenaphthylene	208-96-8	N	UG/L				<1		<0.92	<0.009	<0.009		<0.009
Acetophenone	98-86-2	N	UG/L				<2		<1.2	<0.63	<0.63		<0.63
Aniline	62-53-3	N	UG/L				<1		<0.86	<0.61	<0.61		<0.61
Anthracene	120-12-7	N	UG/L				<1		<0.96	<0.015	<0.015		0.051 J
Benzaldehyde	100-52-7	N	UG/L				<1		<2.6				
Benzidine	92-87-5	N	UG/L				<19		<0.44 R	<1.3	<1.3		<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L				<1		<0.89	<0.008	<0.008		0.0092 J
Benzo(B)Fluoranthene	205-99-2	N	UG/L				<1		<1.2	<0.0075	<0.0075		<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L				<1		<0.65	<0.011	<0.011		<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L				<1		<1.4	<0.007	<0.007		<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L				<1		<0.67	<0.0075	<0.0075		<0.0075
Benzoic Acid	65-85-0	N	UG/L				<6		<20				

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L				<5		<1.7	<1.1	<1.1		<1.1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L				<1						
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L						<0.93	<0.89	<0.89		<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L				<1		<0.79	<0.93	<0.93		<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L				<1		<0.86	<0.57	<0.57		<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L				<2		2.58 B	<1.1	<1.1		<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L				<2		<1.6	<0.97	<0.97		<0.97
Caprolactam	105-60-2	N	UG/L										
Carbazole	86-74-8	N	UG/L				<1		<0.77	<0.5 UJ	<0.5 UJ		<0.5 UJ
Chlorobenzilate	510-15-6	N	UG/L				<3		<0.75	<0.95	<0.95		<0.95
Chrysene	218-01-9	N	UG/L				<1		<0.93	<0.009	<0.009		0.011 J
Diallate	2303-16-4	N	UG/L				<1		<0.43	<0.63	<0.63		<0.63
Dibenz(A,H)Anthracene	53-70-3	N	UG/L				<1		<0.67	<0.01	<0.01		<0.01
Dibenzofuran	132-64-9	N	UG/L				<1		<0.94	<0.87	<0.87		<0.87
Diethyl Phthalate	84-66-2	N	UG/L				<2		<1.2	<0.99	<0.99		<0.99
Dimethyl Phthalate	131-11-3	N	UG/L				<2		<1.8	<0.97	<0.97		<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L				<2		<0.86	<1.1	<1.1		<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L				<2		<0.92	<0.76	<0.76		<0.76
Fluoranthene	206-44-0	N	UG/L				<1		<0.74	<0.0085	<0.0085		0.11
Fluorene	86-73-7	N	UG/L				<1		<0.85	0.012 J	0.012 J		0.32
Hexachlorobenzene	118-74-1	N	UG/L				<1		<0.82	<0.94	<0.94		<0.94
Hexachlorobutadiene	87-68-3	N	UG/L				<1		<0.89	<0.81	<0.81		<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L				<5		<0.57	<1.3	<1.3		<1.3
Hexachloroethane	67-72-1	N	UG/L				<1		<0.91	<0.57	<0.57		<0.57
Hexachloropropylene	1888-71-7	N	UG/L				<2		<0.91	<0.57	<0.57		<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L				<1		<0.59	<0.0095	<0.0095		<0.0095
Isodrin	465-73-6	N	UG/L				<1		<0.78	<0.92	<0.92		<0.92
Isophorone	78-59-1	N	UG/L				<1		<0.48	<0.96	<0.96		<0.96
Isosafrole	120-58-1	N	UG/L				<1		<1.6	<0.96	<0.96		<0.96
Methapyrilene	91-80-5	N	UG/L				<3 R		<0.98	<1.2	<1.2		<1.2
Methyl Cyclohexane	108-87-2	N	UG/L										
Methyl Methanesulfonate	66-27-3	N	UG/L				<1		<0.78	<0.22	<0.22		<0.22
Naphthalene	91-20-3	N	UG/L				<1		<0.9	0.0068 B	0.0075 B		0.12 B
N-Dioctyl Phthalate	117-84-0	N	UG/L				<2		<0.69	<0.89	<0.89		<0.89
Nitrobenzene	98-95-3	N	UG/L				<1		<1.1	<0.76	<0.76		<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L				<2		<0.62	<1.3	<1.3		<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L				<2		<0.86	<1.3	<1.3		<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L				<2		<0.56	<1.3	<1.3		<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L				<2		<0.84	<1.1	<1.1		<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L				<1		<0.87	<0.95	<0.95		<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L				<2		<0.76	<0.89	<0.89		<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L				<2		<1.8	<0.58	<0.58		<0.58

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Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L				<2		<1	<0.67	<0.67		<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L				<2		<0.78	<0.63	<0.63		<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L				<2		<8.1	<0.88	<0.88		<0.88
O-Toluidine	95-53-4	N	UG/L				<1		<0.9	<0.63	<0.63		<0.63
para-Phenylenediamine	106-50-3	N	UG/L				<57 R		<32 R	<13	<13		<13 R
Pentachlorobenzene	608-93-5	N	UG/L				<2		<0.83	<0.76	<0.76		<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L				<2		<0.74	<0.89	<0.89		<0.89
Pentachlorophenol	87-86-5	N	UG/L				<3		<3.2	<1.1	<1.1		<1.1
Phenacetin	62-44-2	N	UG/L				<2		<0.89	<0.98	<0.98		<0.98
Phenanthrene	85-01-8	N	UG/L				<1		<0.74	0.027 J	<0.023		0.12
Phenol	108-95-2	N	UG/L				<1		<0.43	<0.65	<0.65		<0.65
Pyrene	129-00-0	N	UG/L				<1		<0.85	<0.0075	<0.0075		0.062 J
Pyridine	110-86-1	N	UG/L				<2		<0.5	<0.81	<0.81		<0.81
Safrole	94-59-7	N	UG/L				<2		<0.96	<0.81	<0.81		<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L				<1		<0.84	<0.9	<0.9		<0.9
Thionazin	297-97-2	N	UG/L				<2		<0.93	<1.2	<1.2		<1.2
Dimethoate	60-51-5	N	UG/L				<3		<1.5	<1.2	<1.2		<1.2
Atrazine	1912-24-9	N	UG/L										
Pronamide	23950-58-5	N	UG/L				<1		<0.87	<0.92	<0.92		<0.92
<i>Dowtherm</i>													
Biphenyl	92-52-4	N	UG/L		<0.5		<1		<1.3				
Diphenyl Ether	101-84-8	N	UG/L		4		<1		1.5 J				
<i>Glycols</i>													
Diethylene Glycol	111-46-6	N	UG/L		<8000			<4200	<4200	<5300	<5300		<5300
Ethylene Glycol	107-21-1	N	UG/L		<8000			<5200	<5200	<5200	<5200		<5200
Propylene Glycol	57-55-6	N	UG/L		<8000			<3900	<3900	<9700	<9700		<9700
Triethylene Glycol	112-27-6	N	UG/L		<8000			<6900	<6900	<6300	<6300		<6300
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L		<0.330		<0.0900		1.20 J	4.40 B	<2.0		<2.0
Antimony	7440-36-0	Y	UG/L			<0.330							
Arsenic	7440-38-2	N	UG/L		<0.820		<0.0590		<1.40	<4.40	<4.40		<4.40
Arsenic	7440-38-2	Y	UG/L			<0.820							
Barium	7440-39-3	N	UG/L		10.4		3.20 J		8.30 B	6.80 J	5.90 J		16.20 J
Barium	7440-39-3	Y	UG/L			8.00 J							
Beryllium	7440-41-7	N	UG/L		<0.670		<0.970		1.50 B	<0.50	<0.50		<0.50
Beryllium	7440-41-7	Y	UG/L			<0.670							
Cadmium	7440-43-9	N	UG/L		<0.170		<0.760		<0.20	<0.30	<0.30		<0.30
Cadmium	7440-43-9	Y	UG/L			<0.170							
Calcium	7440-70-2	N	UG/L		2570								
Chromium	7440-47-3	N	UG/L		<1.30		0.430 B		0.90 B	<0.90	<0.90		<0.90
Chromium	7440-47-3	Y	UG/L			<1.30							
Cobalt	7440-48-4	N	UG/L		<1.00		<2.00		<0.50	<0.70	<0.70		<0.70

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Analyte	CAS No.	Filtered	Units	Location ID	SW-BALLFIELD	SW-BALLFIELD	SW1	SW1	SW10	SW10	SW10	SW11	SW11
				Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z	13497225	13541241	16308904	18476714	18476727	18476718	18519793
				Sample Name			BRE-W-SW1	BRE-G-SW1	BRE-W-SW10	BRE-W-SW10	BRE-W-SW10-DUP	BRE-W-SW11	BRE-W-SW11
				Date Sampled	10/23/2014	10/23/2014	08/04/2004	08/04/2004	03/31/2006	09/06/2007	09/06/2007	09/07/2007	09/07/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS
Cobalt	7440-48-4	Y	UG/L			<1.00							
Copper	7440-50-8	N	UG/L		<2.80		<2.70		<0.30	3.80 J	<1.90		<1.90
Copper	7440-50-8	Y	UG/L			<2.80							
Iron	7439-89-6	N	UG/L		4030								
Iron	7439-89-6	Y	UG/L			2600							
Lead	7439-92-1	N	UG/L		0.420 J		<10.00		<1.0	2.90 B	2.90 B		2.30 B
Lead	7439-92-1	Y	UG/L			<0.0820							
Magnesium	7439-95-4	N	UG/L		583								
Manganese	7439-96-5	N	UG/L		476								
Manganese	7439-96-5	Y	UG/L			375							
Mercury	7439-97-6	N	UG/L		<0.0600		<0.0280 UJ		<0.10	<0.10	<0.10		<0.10
Mercury	7439-97-6	Y	UG/L			<0.0600							
Nickel	7440-02-0	N	UG/L		<1.60		<3.10		<0.90	<0.60	<0.60		<0.60
Nickel	7440-02-0	Y	UG/L			<1.60							
Selenium	7782-49-2	N	UG/L		<4.80		<5.90		<3.30	<4.50 UJ	<4.50 UJ		<4.50 UJ
Selenium	7782-49-2	Y	UG/L			<4.80							
Silver	7440-22-4	N	UG/L		<1.80		<2.00		<0.50	<0.90	<0.90		<0.90
Silver	7440-22-4	Y	UG/L			<1.80							
Thallium	7440-28-0	N	UG/L		<0.150		<0.130		<3.90 UJ	<7.30	<7.30		<7.30
Thallium	7440-28-0	Y	UG/L			<0.150							
Tin	7440-31-5	N	UG/L		<2.40		<5.00		<6.70	<7.0	<7.0		<7.0
Tin	7440-31-5	Y	UG/L			<2.40							
Vanadium	7440-62-2	N	UG/L		<1.90		<1.60		<0.30	<0.60	<0.60		<0.60
Vanadium	7440-62-2	Y	UG/L			<1.90							
Zinc	7440-66-6	N	UG/L		5.50 B		<4.80		5.80 B	6.70 B	5.40 B		38.9
Zinc	7440-66-6	Y	UG/L			6.70000 B							
<i>Miscellaneous</i>													
Nitrate	14797-55-8	N	UG/L										
Nitrite	14797-65-0	N	UG/L										
Diallate (cis Isomer)	EVS0487	N	UG/L						<0.43	<0.6	<0.6		<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L						<0.47	<0.54	<0.54		<0.54
Total Hardness As CaCO3	471-34-1	N	UG/L		8800								
Total Suspended Solids	C009	N	UG/L		21000.00								

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>															
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.12		<0.12		<0.12		<0.12	<0.1		<0.1	
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L												
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.3		<0.3	
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.5		<0.5	
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,2-Dichlorobenzene	95-50-1	N	UG/L		<0.1		<0.1		<0.1		<0.1	<1		<1	
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
1,3-Dichlorobenzene	541-73-1	N	UG/L		<0.1		<0.1		<0.1		<0.1	<1		<1	
1,4-Dichlorobenzene	106-46-7	N	UG/L		<0.1		<0.1		<0.1		<0.1	<1		<1	
2-Hexanone	591-78-6	N	UG/L		<0.5		<0.5		<0.5		<0.5	<1.0		<1.0	
Acetone	67-64-1	N	UG/L		3.4 B		3.5 B		2.7 B		5.1 B	<3.0		<3.0	
Acetonitrile	75-05-8	N	UG/L		<0.23		<0.23		<0.23		<0.23	<7.0		<7.0	
Acrolein	107-02-8	N	UG/L									<40		<40	
Acrylonitrile	107-13-1	N	UG/L									<4		<4	
Allyl Chloride	107-05-1	N	UG/L		<0.32		<0.32		<0.32		<0.32	<0.1		<0.1	
Benzene	71-43-2	N	UG/L		<0.1		<0.1		<0.1		<0.1	3.9		0.9	
Bromochloromethane	74-97-5	N	UG/L												
Bromodichloromethane	75-27-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Bromoform	75-25-2	N	UG/L		<0.15		<0.15		<0.15		<0.15	<0.1		<0.1	
Carbon Disulfide	75-15-0	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Chlorobenzene	108-90-7	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Chlorodibromomethane	124-48-1	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Chloroform	67-66-3	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Chloroprene	126-99-8	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1		<0.1		<0.1		<0.1	0.2 J		<0.1	
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Cumene	98-82-8	N	UG/L												
Cyclohexane	110-82-7	N	UG/L												
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Ethyl Chloride	75-00-3	N	UG/L		<0.13		<0.13		<0.13		<0.13	<0.1		<0.1	
Ethyl Methacrylate	97-63-2	N	UG/L		<1		<1		<1		<1	<0.1		<0.1	
Ethylbenzene	100-41-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Iodomethane	74-88-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Isobutyl Alcohol	78-83-1	N	UG/L		<7.7		<7.7		<7.7		<7.7	<10		<10	

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L		<0.2		<0.2		<0.2		<0.2				
Methacrylonitrile	126-98-7	N	UG/L		<1		<1		<1		<1	<1.0		<1.0	
Methyl Acetate	79-20-9	N	UG/L												
Methyl Bromide	74-83-9	N	UG/L		<0.47		<0.47		<0.47		<0.47	<0.1		<0.1	
Methyl Chloride	74-87-3	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Methyl Ethyl Ketone	78-93-3	N	UG/L		<0.5		<0.5		<0.5		<0.5	<1.0		<1.0	
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<0.5		<0.5		<0.5		<0.5	<1.0		<1.0	
Methyl Methacrylate	80-62-6	N	UG/L		<1		<1		<1		<1	<0.1		<0.1	
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L												
Methylene Bromide	74-95-3	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Methylene Chloride	75-09-2	N	UG/L		0.13 B		0.11 B		0.13 B		0.14 B	<0.2		<0.2	
Ortho-Xylene	95-47-6	N	UG/L		<0.1		<0.1		<0.1		<0.1				
Pentachloroethane	76-01-7	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.2		<0.2	
Propionitrile	107-12-0	N	UG/L		<5		<5		<5		<5	<2.0		<2.0	
Styrene	100-42-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Tetrachloroethene	127-18-4	N	UG/L		<0.11		<0.11		<0.11		<0.11	<0.1		<0.1	
Toluene	108-88-3	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<4		<4		<4		<4	<1.0		<1.0	
Trichloroethene	79-01-6	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1		<0.1		<0.1		<0.1	<0.1		<0.1	
Vinyl Acetate	108-05-4	N	UG/L		<0.2		<0.2		<0.2		<0.2	<0.2		<0.2	
Vinyl Chloride	75-01-4	N	UG/L		<0.002		<0.002		<0.002		<0.002	0.48		0.061	
Xylenes	1330-20-7	N	UG/L		<0.1		<0.1		<0.1		<0.1	0.2 J		<0.1	
<i>Semivolatile Organic Compounds</i>															
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<0.69		<0.69		<0.69		<0.72	<2		<2	
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<0.73		<0.73		<0.73		<0.77	<1		<1	
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1.1		<1.1		<1.1		<1.1	<1		<1	
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<1		<1		<1		<1	<5		<5	
1,3-Dinitrobenzene	99-65-0	N	UG/L		<0.94		<0.94		<0.94		<0.99	<2		<2	
1,4-Dioxane	123-91-1	N	UG/L		<2.5		<2.5		<2.5		<2.5	<1		<1	
1,4-Naphthoquinone	130-15-4	N	UG/L		<0.22		<0.22		<0.22		<0.24	<10 R		<10 R	
1-Methylnaphthalene	90-12-0	N	UG/L		<0.015		<0.015		<0.015		<0.016	<1		<1	
1-Naphthylamine	134-32-7	N	UG/L		<0.68		<0.68		<0.68		<0.72	<5		<5	
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<0.89		<0.89		<0.89		<0.94	<2		<2	
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1		<1		<1		<1.1	<1		<1	
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<0.98		<0.98		<0.98		<1	<1		<1	
2,4-Dichlorophenol	120-83-2	N	UG/L		<0.82		<0.82		<0.82		<0.86	<1		<1	
2,4-Dimethylphenol	105-67-9	N	UG/L		<1.2		<1.2		<1.2		<1.2	<1		<1	
2,4-Dinitrophenol	51-28-5	N	UG/L		<2.5		<2.5		<2.5		<2.6	<19		<19	
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1.1		<1.1		<1.1		<1.1	<1		<1	

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<0.78		<0.78		<0.78		<0.82	<2		<2	
2,6-Dinitrotoluene	606-20-2	N	UG/L		<0.88		<0.88		<0.88		<0.93	<1		<1	
2-Acetylaminofluorene	53-96-3	N	UG/L		<0.99		<0.99		<0.99		<1	<2		<2	
2-Chloronaphthalene	91-58-7	N	UG/L		<0.88 UJ		<0.88 UJ		<0.88 UJ		<0.93 UJ	<1		<1	
2-Chlorophenol	95-57-8	N	UG/L		<0.58		<0.58		<0.58		<0.61	<1		<1	
2-Methylnaphthalene	91-57-6	N	UG/L		<0.0095		<0.0095		<0.0095		<0.01	<1		<1	
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<0.88		<0.88		<0.88		<0.92	<1		<1	
2-Naphthylamine	91-59-8	N	UG/L		<0.71		<0.71		<0.71		<0.75	<5		<5	
2-Nitroaniline	88-74-4	N	UG/L		<1.2		<1.2		<1.2		<1.2	<1		<1	
2-Nitrophenol	88-75-5	N	UG/L		<0.64		<0.64		<0.64		<0.67	<1		<1	
2-Picoline	109-06-8	N	UG/L		<0.79		<0.79		<0.79		<0.83	<2		<2	
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<0.92		<0.92		<0.92		<0.97	<1		<1	
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<1.3		<1.3		<1.3		<1.3	<10		<10	
3-Methylcholanthrene	56-49-5	N	UG/L		<0.78		<0.78		<0.78		<0.82	<2		<2	
3-Nitroaniline	99-09-2	N	UG/L		<0.82		<0.82		<0.82		<0.87	<1		<1	
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L								<5 UJ			<5 UJ	
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<0.76		<0.76		<0.76		<0.8	<5		<5	
4-Aminobiphenyl	92-67-1	N	UG/L		<0.55		<0.55		<0.55		<0.57	<2		<2	
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<0.9		<0.9		<0.9		<0.95	<1		<1	
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1.1		<1.1		<1.1		<1.1	<1		<1	
4-Chloroaniline	106-47-8	N	UG/L		<0.99		<0.99		<0.99		<1	<1		<1	
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<0.92		<0.92		<0.92		<0.96	<1		<1	
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<0.74		<0.74		<0.74		<0.78	<2		<2	
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<0.93 UJ		<0.93 UJ		<0.93 UJ		<0.97 UJ	<2		<2	
4-Nitroaniline	100-01-6	N	UG/L		<0.92		<0.92		<0.92		<0.96	<1		<1	
4-Nitrophenol	100-02-7	N	UG/L		<0.75		<0.75		<0.75		<0.79	<10		<10	
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<0.6		<0.6		<0.6		<0.63	<19		<19	
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<0.87		<0.87		<0.87		<0.91	<3		<3	
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<0.72		<0.72		<0.72		<0.76	<2		<2	
Acenaphthene	83-32-9	N	UG/L		<0.008		<0.008		<0.008		<0.0084	2 J		<1	
Acenaphthylene	208-96-8	N	UG/L		<0.009		<0.009		<0.009		<0.0095	<1		<1	
Acetophenone	98-86-2	N	UG/L		<0.63		<0.63		<0.63		<0.66	<2		<2	
Aniline	62-53-3	N	UG/L		<0.61		<0.61		<0.61		<0.64	<1		<1	
Anthracene	120-12-7	N	UG/L		<0.015		<0.015		<0.015		<0.015	<1		<1	
Benzaldehyde	100-52-7	N	UG/L								<1			<1	
Benzidine	92-87-5	N	UG/L		<1.3		<1.3		<1.3		<1.4	<19		<19	
Benzo(A)Anthracene	56-55-3	N	UG/L		<0.008		<0.008		<0.008		<0.0084	<1		<1	
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<0.0075		<0.0075		<0.0075		<0.0079	<1		<1	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<0.011		<0.011		<0.011		<0.012	<1		<1	
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<0.007		<0.007		<0.007		<0.0074	<1		<1	
Benzo[A]Pyrene	50-32-8	N	UG/L		<0.0075		<0.0075		<0.0075		<0.0079	<1		<1	
Benzoic Acid	65-85-0	N	UG/L								<6			<6	

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Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L		<1.1		<1.1		<1.1		<1.1	<5		<5	
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L									<1		<1	
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L		<0.89		<0.89		<0.89		<0.94				
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<0.93		<0.93		<0.93		<0.97	<1		<1	
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<0.57		<0.57		<0.57		<0.59	<1		<1	
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<1.1		<1.1		<1.1		<1.1	<2		<2	
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<0.97		<0.97		<0.97		<1	<2		<2	
Caprolactam	105-60-2	N	UG/L												
Carbazole	86-74-8	N	UG/L		<0.5 UJ		<0.5 UJ		<0.5 UJ		<0.53 UJ	<1		<1	
Chlorobenzilate	510-15-6	N	UG/L		<0.95		<0.95		<0.95		<1	<3		<3	
Chrysene	218-01-9	N	UG/L		<0.009		<0.009		<0.009		<0.0095	<1		<1	
Diallate	2303-16-4	N	UG/L		<0.63		<0.63		<0.63		<0.66	<1		<1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<0.01		<0.01		<0.01		<0.011	<1		<1	
Dibenzofuran	132-64-9	N	UG/L		<0.87		<0.87		<0.87		<0.92	<1		<1	
Diethyl Phthalate	84-66-2	N	UG/L		<0.99		<0.99		<0.99		<1	<2		<2	
Dimethyl Phthalate	131-11-3	N	UG/L		<0.97		<0.97		<0.97		<1	<2		<2	
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<1.1		<1.1		<1.1		<1.1	<2		<2	
Ethyl Methanesulfonate	62-50-0	N	UG/L		<0.76		<0.76		<0.76		<0.79	<2		<2	
Fluoranthene	206-44-0	N	UG/L		<0.0085		<0.0085		<0.0085		<0.0089	<1		<1	
Fluorene	86-73-7	N	UG/L		<0.0065		<0.0065		<0.0065		<0.0068	1 J		<1	
Hexachlorobenzene	118-74-1	N	UG/L		<0.94		<0.94		<0.94		<0.99	<1		<1	
Hexachlorobutadiene	87-68-3	N	UG/L		<0.81		<0.81		<0.81		<0.85	<1		<1	
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<1.3		<1.3		<1.3		<1.3	<5		<5	
Hexachloroethane	67-72-1	N	UG/L		<0.57		<0.57		<0.57		<0.61	<1		<1	
Hexachloropropylene	1888-71-7	N	UG/L		<0.57		<0.57		<0.57		<0.6	<2		<2	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<0.0095		<0.0095		<0.0095		<0.01	<1		<1	
Isodrin	465-73-6	N	UG/L		<0.92		<0.92		<0.92		<0.97	<1		<1	
Isophorone	78-59-1	N	UG/L		<0.96		<0.96		<0.96		<1	<1		<1	
Isosafrole	120-58-1	N	UG/L		<0.96		<0.96		<0.96		<1	<1		<1	
Methapyrilene	91-80-5	N	UG/L		<1.2		<1.2		<1.2		<1.3	<3 R		<3 R	
Methyl Cyclohexane	108-87-2	N	UG/L												
Methyl Methanesulfonate	66-27-3	N	UG/L		<0.22		<0.22		<0.22		<0.23	<1		<1	
Naphthalene	91-20-3	N	UG/L		<0.005		0.0058 B		<0.005		<0.0053	<1		<1	
N-Dioctyl Phthalate	117-84-0	N	UG/L		<0.89		<0.89		<0.89		<0.94	<2		<2	
Nitrobenzene	98-95-3	N	UG/L		<0.76		<0.76		<0.76		<0.79	<1		<1	
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<1.3		<1.3		<1.3		<1.3	<2		<2	
N-Nitrosodiethylamine	55-18-5	N	UG/L		<1.3		<1.3		<1.3		<1.3	<2		<2	
N-Nitrosodimethylamine	62-75-9	N	UG/L		<1.3		<1.3		<1.3		<1.3	<2		<2	
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<1.1		<1.1		<1.1		<1.2	<2		<2	
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<0.95		<0.95		<0.95		<1	<1		<1	
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<0.89		<0.89		<0.89		<0.94	<2		<2	
N-Nitrosomorpholine	59-89-2	N	UG/L		<0.58		<0.58		<0.58		<0.61	<2		<2	

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<0.67		<0.67		<0.67		<0.71	<2		<2	
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<0.63		<0.63		<0.63		<0.66	<2		<2	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<0.88		<0.88		<0.88		<0.93	<2		<2	
O-Toluidine	95-53-4	N	UG/L		<0.63		<0.63		<0.63		<0.66	<1		<1	
para-Phenylenediamine	106-50-3	N	UG/L		<13		<13		<13		<13	<57 R		<58 R	
Pentachlorobenzene	608-93-5	N	UG/L		<0.76		<0.76		<0.76		<0.81	<2		<2	
Pentachloronitrobenzene	82-68-8	N	UG/L		<0.89		<0.89		<0.89		<0.94	<2		<2	
Pentachlorophenol	87-86-5	N	UG/L		<1.1		<1.1		<1.1		<1.2	<3		<3	
Phenacetin	62-44-2	N	UG/L		<0.98		<0.98		<0.98		<1	<2		<2	
Phenanthrene	85-01-8	N	UG/L		<0.023		<0.023		<0.023		<0.025	<1		<1	
Phenol	108-95-2	N	UG/L		<0.65		<0.65		<0.65		<0.68	<1		<1	
Pyrene	129-00-0	N	UG/L		<0.0075		<0.0075		<0.0075		<0.0079	<1		<1	
Pyridine	110-86-1	N	UG/L		<0.81		<0.81		<0.81		<0.85	<2		<2	
Safrole	94-59-7	N	UG/L		<0.81		<0.81		<0.81		<0.85	<2		<2	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<0.9		<0.9		<0.9		<0.95	<1		<1	
Thionazin	297-97-2	N	UG/L		<1.2		<1.2		<1.2		<1.2	<2		<2	
Dimethoate	60-51-5	N	UG/L		<1.2		<1.2		<1.2		<1.3	<3		<3	
Atrazine	1912-24-9	N	UG/L												
Pronamide	23950-58-5	N	UG/L		<0.92		<0.92		<0.92		<0.96	<1		<1	
<i>Dowtherm</i>															
Biphenyl	92-52-4	N	UG/L								<1			<1	
Diphenyl Ether	101-84-8	N	UG/L								24			7 J	
<i>Glycols</i>															
Diethylene Glycol	111-46-6	N	UG/L			<5300		<5300		<5300	<5300		<4200		<4200
Ethylene Glycol	107-21-1	N	UG/L			<5200		<5200		<5200	<5200		<5200		<5200
Propylene Glycol	57-55-6	N	UG/L			<9700		<9700		<9700	<9700		<3900		<3900
Triethylene Glycol	112-27-6	N	UG/L			<6300		<6300		<6300	<6300		<6900		<6900
<i>Inorganics</i>															
Antimony	7440-36-0	N	UG/L		2.70 B		3.0 B		<2.0		<2.0	0.140 B		<0.0900	
Antimony	7440-36-0	Y	UG/L												
Arsenic	7440-38-2	N	UG/L		<4.40		<4.40		<4.40		<4.40	0.430 J		0.320 J	
Arsenic	7440-38-2	Y	UG/L												
Barium	7440-39-3	N	UG/L		4.90 J		5.20 J		1.30 J		2.60 J	20.8		11.6	
Barium	7440-39-3	Y	UG/L												
Beryllium	7440-41-7	N	UG/L		<0.50		<0.50		<0.50		<0.50	<0.970		<0.970	
Beryllium	7440-41-7	Y	UG/L												
Cadmium	7440-43-9	N	UG/L		<0.30		<0.30		<0.30		<0.30	<0.760		<0.760	
Cadmium	7440-43-9	Y	UG/L												
Calcium	7440-70-2	N	UG/L												
Chromium	7440-47-3	N	UG/L		<0.90		<0.90		<0.90		<0.90	0.800 B		0.520 B	
Chromium	7440-47-3	Y	UG/L												
Cobalt	7440-48-4	N	UG/L		<0.70		<0.70		<0.70		<0.70	<2.00		<2.00	

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Analyte	CAS No.	Filtered	Units	Location ID	SW12	SW12	SW13	SW13	SW14	SW14	SW15	SW2	SW2	SW3	SW3
				Field Sample ID	18476720	18519823	18476722	18519825	18476724	18519827	18476716	13497214	13541243	13497217	13541245
				Sample Name	BRE-W-SW12	BRE-W-12	BRE-W-SW13	BRE-W-13	BRE-W-SW14	BRE-W-14	BRE-W-SW15	BRE-W-SW2	BRE-G-SW2	BRE-W-SW3	BRE-G-SW3
				Date Sampled	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	09/06/2007	08/04/2004	08/04/2004	08/04/2004	08/04/2004
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L												
Copper	7440-50-8	N	UG/L		<1.90		<1.90		<1.90		<1.90	<2.70		<2.70	
Copper	7440-50-8	Y	UG/L												
Iron	7439-89-6	N	UG/L												
Iron	7439-89-6	Y	UG/L												
Lead	7439-92-1	N	UG/L		2.60 B		3.20 B		2.30 B		1.90 B	<10.00		<10.00	
Lead	7439-92-1	Y	UG/L												
Magnesium	7439-95-4	N	UG/L												
Manganese	7439-96-5	N	UG/L												
Manganese	7439-96-5	Y	UG/L												
Mercury	7439-97-6	N	UG/L		<0.10		<0.10		<0.10		<0.10	<0.0280 UJ		<0.0280 UJ	
Mercury	7439-97-6	Y	UG/L												
Nickel	7440-02-0	N	UG/L		<0.60		<0.60		<0.60		<0.60	<3.10		<3.10	
Nickel	7440-02-0	Y	UG/L												
Selenium	7782-49-2	N	UG/L		<4.50 UJ		<4.50 UJ		<4.50 UJ		<4.50 UJ	<5.90		<5.90	
Selenium	7782-49-2	Y	UG/L												
Silver	7440-22-4	N	UG/L		<0.90		<0.90		<0.90		<0.90	<2.00		<2.00	
Silver	7440-22-4	Y	UG/L												
Thallium	7440-28-0	N	UG/L		<7.30		<7.30		<7.30		<7.30	<0.130		<0.130	
Thallium	7440-28-0	Y	UG/L												
Tin	7440-31-5	N	UG/L		<7.0		<7.0		<7.0		7.10 J	<5.00		<5.00	
Tin	7440-31-5	Y	UG/L												
Vanadium	7440-62-2	N	UG/L		<0.60		<0.60		<0.60		<0.60	<1.60		<1.60	
Vanadium	7440-62-2	Y	UG/L												
Zinc	7440-66-6	N	UG/L		2.60 B		3.80 B		5.90 B		3.70 B	<4.80		6.70 B	
Zinc	7440-66-6	Y	UG/L												
<i>Miscellaneous</i>															
Nitrate	14797-55-8	N	UG/L												
Nitrite	14797-65-0	N	UG/L												
Diallate (cis Isomer)	EVS0487	N	UG/L		<0.6		<0.6		<0.6		<0.63				
Diallate (trans Isomer)	EVS0488	N	UG/L		<0.54		<0.54		<0.54		<0.56				
Total Hardness As CaCO3	471-34-1	N	UG/L												
Total Suspended Solids	C009	N	UG/L												

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Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>															
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1			<0.12	<0.1		<0.12	<0.1		<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L												
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3			<0.1	<0.3		<0.1	<0.3		<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.5	<0.5			<0.1	<0.5		<0.1	<0.5		<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L		<1	<1			<0.1	<1		<0.1	<1		<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L		<1	<1			<0.1	<1		<0.1	<1		<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L		<1	<1			<0.1	<1		<0.1	<1		0.21 B
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0			<0.5	<1.0		<0.5	<1.0		<0.5
Acetone	67-64-1	N	UG/L		<3.0	<3.0			3.7 B	<3.0		3.2 B	<3.0		3.3 B
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0			<0.23	<7.0		<0.23	<7.0		<0.23
Acrolein	107-02-8	N	UG/L		<40	<40				<40			<40		
Acrylonitrile	107-13-1	N	UG/L		<4	<4				<4			<4		
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1			<0.32	<0.1		<0.32	<0.1		<0.32
Benzene	71-43-2	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Bromochloromethane	74-97-5	N	UG/L												
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1			<0.15	<0.1		<0.15	<0.1		<0.15
Carbon Disulfide	75-15-0	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Cumene	98-82-8	N	UG/L												
Cyclohexane	110-82-7	N	UG/L												
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1			<0.13	<0.1		<0.13	<0.1		<0.13
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1			<1	<0.1		<1	<0.1		<1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10			<7.7	<10		<7.7	<10		<7.7

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Meta- And Para-Xylene	EVS0253	N	UG/L						<0.2			<0.2			<0.2
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0			<1	<1.0		<1	<1.0		<1
Methyl Acetate	79-20-9	N	UG/L												
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1			<0.47	<0.1		<0.47	<0.1		<0.47
Methyl Chloride	74-87-3	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0			<0.5	<1.0		<0.5	<1.0		<0.5
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0			<0.5	<1.0		<0.5	<1.0		<0.5
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1			<1	<0.1		<1	<0.1		<1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L												
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2			0.12 B	<0.2		<0.1	<0.2		0.18 B
Ortho-Xylene	95-47-6	N	UG/L						<0.1			<0.1			<0.1
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2			<0.1	<0.2		<0.1	<0.2		<0.1
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0			<5	<2.0		<5	<2.0		<5
Styrene	100-42-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1			<0.11	<0.1		<0.11	<0.1		<0.11
Toluene	108-88-3	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0			<4	<1.0		<4	<1.0		<4
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2			<0.2	<0.2		<0.2	<0.2		<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010			0.0028 B	<0.010		0.0040 B	<0.010		0.0069 B
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1			<0.1	<0.1		<0.1	<0.1		<0.1
<i>Semivolatile Organic Compounds</i>															
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L		<2	<2			<0.69	<2		<0.69	<2		<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L		<1	<1			<0.73	<1		<0.73	<1		<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L		<1	<1			<1.1	<1		<1.1	<1		<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L		<5	<5			<1	<5		<1	<5		<1
1,3-Dinitrobenzene	99-65-0	N	UG/L		<2	<2			<0.94	<2		<0.94	<2		<0.94
1,4-Dioxane	123-91-1	N	UG/L		<1	<1			<2.5	<1		<2.5	<1		<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L		<10 R	<10 R			<0.22	<10 R		<0.22	<10 R		<0.22
1-Methylnaphthalene	90-12-0	N	UG/L		<1	<1			<0.015	<1		<0.015	<1		<0.015
1-Naphthylamine	134-32-7	N	UG/L		<5	<5			<0.68	<5		<0.68	<5		<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L		<2	<2			<0.89	<2		<0.89	<2		<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L		<1	<1			<1	<1		<1	<1		<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L		<1	<1			<0.98	<1		<0.98	<1		<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L		<1	<1			<0.82	<1		<0.82	<1		<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L		<1	<1			<1.2	<1		<1.2	<1		<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L		<19	<19			<2.5	<19		<2.5	<19		<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L		<1	<1			<1.1	<1		<1.1	<1		<1.1

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
2,6-Dichlorophenol	87-65-0	N	UG/L		<2	<2			<0.78	<2		<0.78	<2		<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L		<1	<1			<0.88	<1		<0.88	<1		<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L		<2	<2			<0.99	<2		<0.99	<2		<0.99
2-Chloronaphthalene	91-58-7	N	UG/L		<1	<1			<0.88	<1		<0.88	<1		<0.88 UJ
2-Chlorophenol	95-57-8	N	UG/L		<1	<1			<0.58	<1		<0.58	<1		<0.58
2-Methylnaphthalene	91-57-6	N	UG/L		<1	<1			<0.0095	<1		<0.0095	<1		<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L		<1	<1			<0.88	<1		<0.88	<1		<0.88
2-Naphthylamine	91-59-8	N	UG/L		<5	<5			<0.71	<5		<0.71	<5		<0.71
2-Nitroaniline	88-74-4	N	UG/L		<1	<1			<1.2	<1		<1.2	<1		<1.2
2-Nitrophenol	88-75-5	N	UG/L		<1	<1			<0.64	<1		<0.64	<1		<0.64
2-Picoline	109-06-8	N	UG/L		<2	<2			<0.79	<2		<0.79	<2		<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L		<1	<1			<0.92	<1		<0.92	<1		<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L		<10	<10			<1.3	<10		<1.3	<10		<1.3
3-Methylcholanthrene	56-49-5	N	UG/L		<2	<2			<0.78	<2		<0.78	<2		<0.78
3-Nitroaniline	99-09-2	N	UG/L		<1	<1			<0.82	<1		<0.82	<1		<0.82
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L		<5 UJ	<5 UJ			<5 UJ	<5 UJ		<5 UJ	<5 UJ		<5 UJ
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L		<5	<5			<0.76	<5		<0.76	<5		<0.76
4-Aminobiphenyl	92-67-1	N	UG/L		<2	<2			<0.55	<2		<0.55	<2		<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L		<1	<1			<0.9	<1		<0.9	<1		<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L		<1	<1			<1.1	<1		<1.1	<1		<1.1
4-Chloroaniline	106-47-8	N	UG/L		<1	<1			<0.99	<1		<0.99	<1		<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L		<1	<1			<0.92	<1		<0.92	<1		<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L		<2	<2			<0.74	<2		<0.74	<2		<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L		<2	<2			<0.93	<2		<0.93	<2		<0.93 UJ
4-Nitroaniline	100-01-6	N	UG/L		<1	<1			<0.92	<1		<0.92	<1		<0.92
4-Nitrophenol	100-02-7	N	UG/L		<10	<10			<0.75	<10		<0.75	<10		<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L		<19	<19			<0.6	<19		<0.6	<19		<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L		<3	<3			<0.87	<3		<0.87	<3		<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L		<2	<2			<0.72	<2		<0.72	<2		<0.72
Acenaphthene	83-32-9	N	UG/L		<1	<1			<0.008	<1		<0.008	<1		<0.008
Acenaphthylene	208-96-8	N	UG/L		<1	<1			<0.009	<1		<0.009	<1		<0.009
Acetophenone	98-86-2	N	UG/L		<2	<2			<0.63	<2		<0.63	<2		<0.63
Aniline	62-53-3	N	UG/L		<1	<1			<0.61	<1		<0.61	<1		<0.61
Anthracene	120-12-7	N	UG/L		<1	<1			<0.015	<1		<0.015	<1		<0.015
Benzaldehyde	100-52-7	N	UG/L		<1	<1			<1	<1		<1	<1		<1
Benzidine	92-87-5	N	UG/L		<19	<19			<1.3	<19		<1.3	<19		<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L		<1	<1			<0.008	<1		<0.008	<1		<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L		<1	<1			<0.0075	<1		<0.0075	<1		<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L		<1	<1			<0.011	<1		<0.011	<1		<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L		<1	<1			<0.007	<1		<0.007	<1		<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L		<1	<1			<0.0075	<1		<0.0075	<1		<0.0075
Benzoic Acid	65-85-0	N	UG/L		<6	<6			<6	<6		<6	<6		<6

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Benzyl Alcohol	100-51-6	N	UG/L		<5	<5			<1.1	<5		<1.1	<5		<1.1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L		<1	<1				<1			<1		
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L						<0.89			<0.89			<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L		<1	<1			<0.93	<1		<0.93	<1		<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L		<1	<1			<0.57	<1		<0.57	<1		<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L		<2	<2			<1.1	<2		<1.1	<2		<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L		<2	<2			<0.97	<2		<0.97	<2		<0.97
Caprolactam	105-60-2	N	UG/L												
Carbazole	86-74-8	N	UG/L		<1	<1			<0.5 UJ	<1		<0.5 UJ	<1		<0.5 UJ
Chlorobenzilate	510-15-6	N	UG/L		<3	<3			<0.95	<3		<0.95	<3		<0.95
Chrysene	218-01-9	N	UG/L		<1	<1			<0.009	<1		<0.009	<1		<0.009
Diallate	2303-16-4	N	UG/L		<1	<1			<0.63	<1		<0.63	<1		<0.63
Dibenz(A,H)Anthracene	53-70-3	N	UG/L		<1	<1			<0.01	<1		<0.01	<1		<0.01
Dibenzofuran	132-64-9	N	UG/L		<1	<1			<0.87	<1		<0.87	<1		<0.87
Diethyl Phthalate	84-66-2	N	UG/L		<2	<2			<0.99	<2		<0.99	<2		<0.99
Dimethyl Phthalate	131-11-3	N	UG/L		<2	<2			<0.97	<2		<0.97	<2		<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L		<2	<2			<1.1	<2		<1.1	<2		<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L		<2	<2			<0.76	<2		<0.76	<2		<0.76
Fluoranthene	206-44-0	N	UG/L		<1	<1			<0.0085	<1		<0.0085	<1		<0.0085
Fluorene	86-73-7	N	UG/L		<1	<1			0.0071 J	<1		<0.0065	<1		<0.0065
Hexachlorobenzene	118-74-1	N	UG/L		<1	<1			<0.94	<1		<0.94	<1		<0.94
Hexachlorobutadiene	87-68-3	N	UG/L		<1	<1			<0.81	<1		<0.81	<1		<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L		<5	<5			<1.3	<5		<1.3	<5		<1.3
Hexachloroethane	67-72-1	N	UG/L		<1	<1			<0.57	<1		<0.57	<1		<0.57
Hexachloropropylene	1888-71-7	N	UG/L		<2	<2			<0.57	<2		<0.57	<2		<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L		<1	<1			<0.0095	<1		<0.0095	<1		<0.0095
Isodrin	465-73-6	N	UG/L		<1	<1			<0.92	<1		<0.92	<1		<0.92
Isophorone	78-59-1	N	UG/L		<1	<1			<0.96	<1		<0.96	<1		<0.96
Isosafrole	120-58-1	N	UG/L		<1	<1			<0.96	<1		<0.96	<1		<0.96
Methapyrilene	91-80-5	N	UG/L		<3 R	<3 R			<1.2	<3 R		<1.2	<3 R		<1.2
Methyl Cyclohexane	108-87-2	N	UG/L												
Methyl Methanesulfonate	66-27-3	N	UG/L		<1	<1			<0.22	<1		<0.22	<1		<0.22
Naphthalene	91-20-3	N	UG/L		<1	<1			0.0069 B	<1		0.0055 B	<1		0.0098 B
N-Dioctyl Phthalate	117-84-0	N	UG/L		<2	<2			<0.89	<2		<0.89	<2		<0.89
Nitrobenzene	98-95-3	N	UG/L		<1	<1			<0.76	<1		<0.76	<1		<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L		<2	<2			<1.3	<2		<1.3	<2		<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L		<2	<2			<1.3	<2		<1.3	<2		<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L		<2	<2			<1.3	<2		<1.3	<2		<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L		<2	<2			<1.1	<2		<1.1	<2		<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L		<1	<1			<0.95	<1		<0.95	<1		<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L		<2	<2			<0.89	<2		<0.89	<2		<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L		<2	<2			<0.58	<2		<0.58	<2		<0.58

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
N-Nitrosopiperidine	100-75-4	N	UG/L		<2	<2			<0.67	<2		<0.67	<2		<0.67
N-Nitrosopyrrolidine	930-55-2	N	UG/L		<2	<2			<0.63	<2		<0.63	<2		<0.63
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L		<2	<2			<0.88	<2		<0.88	<2		<0.88
O-Toluidine	95-53-4	N	UG/L		<1	<1			<0.63	<1		<0.63	<1		<0.63
para-Phenylenediamine	106-50-3	N	UG/L		<57 R	<58 R			<13 R	<58 R		<13 R	<58 R		<13
Pentachlorobenzene	608-93-5	N	UG/L		<2	<2			<0.76	<2		<0.76	<2		<0.76
Pentachloronitrobenzene	82-68-8	N	UG/L		<2	<2			<0.89	<2		<0.89	<2		<0.89
Pentachlorophenol	87-86-5	N	UG/L		<3	<3			<1.1	<3		<1.1	<3		<1.1
Phenacetin	62-44-2	N	UG/L		<2	<2			<0.98	<2		<0.98	<2		<0.98
Phenanthrene	85-01-8	N	UG/L		<1	<1			<0.023	<1		<0.023	<1		<0.023
Phenol	108-95-2	N	UG/L		<1	<1			<0.65	<1		<0.65	<1		<0.65
Pyrene	129-00-0	N	UG/L		<1	<1			<0.0075	<1		<0.0075	<1		<0.0075
Pyridine	110-86-1	N	UG/L		<2	<2			<0.81	<2		<0.81	<2		<0.81
Safrole	94-59-7	N	UG/L		<2	<2			<0.81	<2		<0.81	<2		<0.81
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L		<1	<1			<0.9	<1		<0.9	<1		<0.9
Thionazin	297-97-2	N	UG/L		<2	<2			<1.2	<2		<1.2	<2		<1.2
Dimethoate	60-51-5	N	UG/L		<3	<3			<1.2	<3		<1.2	<3		<1.2
Atrazine	1912-24-9	N	UG/L												
Pronamide	23950-58-5	N	UG/L		<1	<1			<0.92	<1		<0.92	<1		<0.92
<i>Dowtherm</i>															
Biphenyl	92-52-4	N	UG/L		<1	<1			<1			<1			
Diphenyl Ether	101-84-8	N	UG/L		<1	<1			<1			<1			
<i>Glycols</i>															
Diethylene Glycol	111-46-6	N	UG/L				<4200	<4200	<5300		<4200	<5300		<4200	<5300
Ethylene Glycol	107-21-1	N	UG/L				<5200	<5200	<5200		<5200	<5200		<5200	<5200
Propylene Glycol	57-55-6	N	UG/L				<3900	<3900	<9700		<3900	<9700		<3900	<9700
Triethylene Glycol	112-27-6	N	UG/L				<6900	<6900	<6300		<6900	<6300		<6900	<6300
<i>Inorganics</i>															
Antimony	7440-36-0	N	UG/L		<0.0900	<0.0900			<2.0	<0.0900		<2.0	<0.0900		3.60 B
Antimony	7440-36-0	Y	UG/L												
Arsenic	7440-38-2	N	UG/L		0.120 J	0.0780 J			<4.40	0.120 J		<4.40	0.0730 J		<4.40
Arsenic	7440-38-2	Y	UG/L												
Barium	7440-39-3	N	UG/L		7.2	6.3			6.0 J	6.7		5.90 J	6.3		4.90 J
Barium	7440-39-3	Y	UG/L												
Beryllium	7440-41-7	N	UG/L		<0.970	<0.970			<0.50	<0.970		<0.50	<0.970		<0.50
Beryllium	7440-41-7	Y	UG/L												
Cadmium	7440-43-9	N	UG/L		<0.760	<0.760			<0.30	<0.760		<0.30	<0.760		<0.30
Cadmium	7440-43-9	Y	UG/L												
Calcium	7440-70-2	N	UG/L												
Chromium	7440-47-3	N	UG/L		0.530 B	0.550 B			<0.90	0.520 B		<0.90	0.490 B		<0.90
Chromium	7440-47-3	Y	UG/L												
Cobalt	7440-48-4	N	UG/L		<2.00	<2.00			<0.70	<2.00		<0.70	<2.00		<0.70

Summary of Analytical Results - Surface Water
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Analyte	CAS No.	Filtered	Units	Location ID	SW4	SW4	SW4	SW4	SW4	SW5	SW5	SW5	SW6	SW6	SW6
				Field Sample ID	13497220	13497222	13541247	13541248	18476702	13497228	13541250	18476704	13497231	13541252	18476706
				Sample Name	BRE-W-SW4	BRE-W-SW4-DUP	BRE-G-SW4	BRE-G-SW4-DUP	BRE-W-SW4	BRE-W-SW5	BRE-G-SW5	BRE-W-SW5	BRE-W-SW6	BRE-G-SW6	BRE-W-SW6
				Date Sampled	08/04/2004	08/04/2004	08/04/2004	08/04/2004	09/07/2007	08/04/2004	08/04/2004	09/06/2007	08/05/2004	08/05/2004	09/06/2007
				Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Cobalt	7440-48-4	Y	UG/L												
Copper	7440-50-8	N	UG/L		<2.70	<2.70			<1.90	<2.70		<1.90	<2.70		<1.90
Copper	7440-50-8	Y	UG/L												
Iron	7439-89-6	N	UG/L												
Iron	7439-89-6	Y	UG/L												
Lead	7439-92-1	N	UG/L		<10.00	<10.00			3.0 B	<10.00		2.10 B	<10.00		3.50 B
Lead	7439-92-1	Y	UG/L												
Magnesium	7439-95-4	N	UG/L												
Manganese	7439-96-5	N	UG/L												
Manganese	7439-96-5	Y	UG/L												
Mercury	7439-97-6	N	UG/L		<0.0280 UJ	<0.0280 UJ			<0.10	<0.0280 UJ		<0.10	<0.0280 UJ		<0.10
Mercury	7439-97-6	Y	UG/L												
Nickel	7440-02-0	N	UG/L		<3.10	<3.10			<0.60	<3.10		<0.60	<3.10		<0.60
Nickel	7440-02-0	Y	UG/L												
Selenium	7782-49-2	N	UG/L		<5.90	<5.90			<4.50 UJ	<5.90		<4.50 UJ	<5.90		<4.50 UJ
Selenium	7782-49-2	Y	UG/L												
Silver	7440-22-4	N	UG/L		<2.00	<2.00			<0.90	<2.00		<0.90	<2.00		<0.90
Silver	7440-22-4	Y	UG/L												
Thallium	7440-28-0	N	UG/L		<0.130	<0.130			<7.30	<0.130		<7.30	<0.130		<7.30
Thallium	7440-28-0	Y	UG/L												
Tin	7440-31-5	N	UG/L		<5.00	<5.00			<7.0	<5.00		<7.0	<5.00		<7.0
Tin	7440-31-5	Y	UG/L												
Vanadium	7440-62-2	N	UG/L		<1.60	<1.60			<0.60	<1.60		<0.60	<1.60		<0.60
Vanadium	7440-62-2	Y	UG/L												
Zinc	7440-66-6	N	UG/L		<4.80	5.60 B			6.20 B	<4.80		11.30 B	<4.80		5.30 B
Zinc	7440-66-6	Y	UG/L												
<i>Miscellaneous</i>															
Nitrate	14797-55-8	N	UG/L												
Nitrite	14797-65-0	N	UG/L												
Diallate (cis Isomer)	EVS0487	N	UG/L						<0.6			<0.6			<0.6
Diallate (trans Isomer)	EVS0488	N	UG/L						<0.54			<0.54			<0.54
Total Hardness As CaCO3	471-34-1	N	UG/L												
Total Suspended Solids	C009	N	UG/L												

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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
<i>Volatile Organic Compounds</i>												
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L			<0.1	<0.1	<0.12	<0.1	<0.12	<0.12	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L			<0.1	<0.12	<0.11	<0.12	<0.11	<0.11	<0.12
1,1,2-Trichloroethane	79-00-5	N	UG/L			<0.1	<0.1	<0.15	<0.1	<0.15	<0.15	<0.1
1,1,2-Trichlorotrifluoroethane	76-13-1	N	UG/L									
1,1-Dichloroethane	75-34-3	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L			<0.3	<0.1	<0.17	<0.1	<0.17	<0.17	<0.1
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L			<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	95-50-1	N	UG/L			<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	541-73-1	N	UG/L			<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	N	UG/L			<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L			<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	67-64-1	N	UG/L			<3.0	2.8 B	<0.76	4.5 B	<0.76	<0.76	2.4 B
Acetonitrile	75-05-8	N	UG/L			<7.0	<0.23	<0.1	<0.23	<0.1	<0.1	<0.23
Acrolein	107-02-8	N	UG/L			<40						
Acrylonitrile	107-13-1	N	UG/L			<4						
Allyl Chloride	107-05-1	N	UG/L			<0.1	<0.32	<0.1	<0.32	<0.1	<0.1	<0.32
Benzene	71-43-2	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L									
Bromodichloromethane	75-27-4	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L			<0.1	<0.15	<0.1	<0.15	<0.1	<0.1	<0.15
Carbon Disulfide	75-15-0	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L			<0.1	<0.1	<0.15	0.12 J	0.2 J	0.2 J	0.23 J
cis-1,3-Dichloropropene	10061-01-5	N	UG/L			<0.1	<0.1	<0.11	<0.1	<0.11	<0.11	<0.1
Cumene	98-82-8	N	UG/L									
Cyclohexane	110-82-7	N	UG/L									
Dichlorodifluoromethane	75-71-8	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L			<0.1	<0.13	<0.12	<0.13	<0.12	<0.12	<0.13
Ethyl Methacrylate	97-63-2	N	UG/L			<0.1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L			<0.1	<0.1	<0.46	<0.1	<0.46	<0.46	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L			<10	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7

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Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
Meta- And Para-Xylene	EVS0253	N	UG/L				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methacrylonitrile	126-98-7	N	UG/L			<1.0	<1	<1	<1	<1	<1	<1
Methyl Acetate	79-20-9	N	UG/L									
Methyl Bromide	74-83-9	N	UG/L			<0.1	<0.47	<0.14	<0.47	<0.14	<0.14	<0.47
Methyl Chloride	74-87-3	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Ethyl Ketone	78-93-3	N	UG/L			<1.0	<0.5	<0.79	<0.5	<0.79	<0.79	<0.5
Methyl Isobutyl Ketone	108-10-1	N	UG/L			<1.0	<0.5	<0.57	<0.5	<0.57	<0.57	<0.5
Methyl Methacrylate	80-62-6	N	UG/L			<0.1	<1	<1	<1	<1	<1	<1
Methyl Tertiary Butyl Ether	1634-04-4	N	UG/L									
Methylene Bromide	74-95-3	N	UG/L			<0.1	<0.1	<0.11	<0.1	<0.11	<0.11	<0.1
Methylene Chloride	75-09-2	N	UG/L			<0.2	0.11 B	<0.12	0.14 B	<0.12	<0.12	0.11 B
Ortho-Xylene	95-47-6	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachloroethane	76-01-7	N	UG/L			<0.2	<0.1	<0.13	<0.1	<0.13	<0.13	<0.1
Propionitrile	107-12-0	N	UG/L			<2.0	<5	<7.6	<5	<7.6	<7.6	<5
Styrene	100-42-5	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L			<0.1	<0.11	<0.16	<0.11	<0.16	<0.16	<0.11
Toluene	108-88-3	N	UG/L			<0.1	<0.1	<0.1	0.11 B	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L			<1.0	<4	<4	<4	<4	<4	<4
Trichloroethene	79-01-6	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L			<0.1	<0.1	<0.13	<0.1	<0.13	<0.13	<0.1
Vinyl Acetate	108-05-4	N	UG/L			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L			<0.010	<0.002	<0.01	0.031 B	0.1	0.11	0.027 B
Xylenes	1330-20-7	N	UG/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>												
1,2,4,5-Tetrachlorobenzene	95-94-3	N	UG/L			<2	<0.69	<1	<0.69	<1	<1	<0.69
1,2,4-Trichlorobenzene	120-82-1	N	UG/L			<1	<0.73	<0.99	<0.73	<0.99	<0.99	<0.73
1,2-Diphenylhydrazine	122-66-7	N	UG/L			<1	<1.1	<0.74	<1.1	<0.74	<0.74	<1.1
1,3,5-Trinitrobenzene	99-35-4	N	UG/L			<5	<1	<0.41	<1	<0.41	<0.41	<1
1,3-Dinitrobenzene	99-65-0	N	UG/L			<2	<0.94	<0.72	<0.94	<0.72	<0.72	<0.94
1,4-Dioxane	123-91-1	N	UG/L			<1	<2.5	<6.9	<2.5	<6.9	<6.9	<2.5
1,4-Naphthoquinone	130-15-4	N	UG/L			<10 R	<0.22	<1.4 UJ	<0.22	<1.4 UJ	<1.4 UJ	<0.22
1-Methylnaphthalene	90-12-0	N	UG/L			<1	<0.015	<0.94	<0.015	<0.94	<0.94	<0.015
1-Naphthylamine	134-32-7	N	UG/L			<5	<0.68	<2.2 UJ	<0.68	<2.2 UJ	<2.2 UJ	<0.68
2,3,4,6-Tetrachlorophenol	58-90-2	N	UG/L			<2	<0.89	<1.6	<0.89	<1.6	<1.6	<0.89
2,4,5-Trichlorophenol	95-95-4	N	UG/L			<1	<1	<4.3	<1	<4.3	<4.3	<1
2,4,6-Trichlorophenol	88-06-2	N	UG/L			<1	<0.98	<2.9	<0.98	<2.9	<2.9	<0.98
2,4-Dichlorophenol	120-83-2	N	UG/L			<1	<0.82	<1.3	<0.82	<1.3	<1.3	<0.82
2,4-Dimethylphenol	105-67-9	N	UG/L			<1	<1.2	<0.96	<1.2	<0.96	<0.96	<1.2
2,4-Dinitrophenol	51-28-5	N	UG/L			<19	<2.5	<3.5	<2.5	<3.5	<3.5	<2.5
2,4-Dinitrotoluene	121-14-2	N	UG/L			<1	<1.1	<0.76	<1.1	<0.76	<0.76	<1.1

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Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
2,6-Dichlorophenol	87-65-0	N	UG/L			<2	<0.78	<1.4	<0.78	<1.4	<1.4	<0.78
2,6-Dinitrotoluene	606-20-2	N	UG/L			<1	<0.88	<0.74	<0.88	<0.74	<0.74	<0.88
2-Acetylaminofluorene	53-96-3	N	UG/L			<2	<0.99	<0.8	<0.99	<0.8	<0.8	<0.99
2-Chloronaphthalene	91-58-7	N	UG/L			<1	<0.88 UJ	<0.81	<0.88 UJ	<0.81	<0.81	<0.88 UJ
2-Chlorophenol	95-57-8	N	UG/L			<1	<0.58	<1.2	<0.58	<1.2	<1.2	<0.58
2-Methylnaphthalene	91-57-6	N	UG/L			<1	<0.0095	<0.83	<0.0095	<0.83	<0.83	<0.0095
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L			<1	<0.88	<0.77	<0.88	<0.77	<0.77	<0.88
2-Naphthylamine	91-59-8	N	UG/L			<5	<0.71	<1.5 R	<0.71	<1.5 R	<1.5 R	<0.71
2-Nitroaniline	88-74-4	N	UG/L			<1	<1.2	<0.96	<1.2	<0.96	<0.96	<1.2
2-Nitrophenol	88-75-5	N	UG/L			<1	<0.64	<1.4	<0.64	<1.4	<1.4	<0.64
2-Picoline	109-06-8	N	UG/L			<2	<0.79	<0.6	<0.79	<0.6	<0.6	<0.79
3,3'-Dichlorobenzidine	91-94-1	N	UG/L			<1	<0.92	<0.7	<0.92	<0.7	<0.7	<0.92
3,3'-Dimethylbenzidine	119-93-7	N	UG/L			<10	<1.3	<2.8	<1.3 R	<2.8	<2.8	<1.3
3-Methylcholanthrene	56-49-5	N	UG/L			<2	<0.78	<0.53	<0.78	<0.53	<0.53	<0.78
3-Nitroaniline	99-09-2	N	UG/L			<1	<0.82	<1.4	<0.82	<1.4	<1.4	<0.82
4,4'-Methylenebis-(2-Chlorobenzenamine)	101-14-4	N	UG/L			<5 UJ						
4,6-Dinitro-2-Methylphenol	534-52-1	N	UG/L			<5	<0.76	<4.2	<0.76	<4.2	<4.2	<0.76
4-Aminobiphenyl	92-67-1	N	UG/L			<2	<0.55	<1.2 UJ	<0.55	<1.2 UJ	<1.2 UJ	<0.55
4-Bromophenyl Phenyl Ether	101-55-3	N	UG/L			<1	<0.9	<0.81	<0.9	<0.81	<0.81	<0.9
4-Chloro-3-Methylphenol	59-50-7	N	UG/L			<1	<1.1	<0.48	<1.1	<0.48	<0.48	<1.1
4-Chloroaniline	106-47-8	N	UG/L			<1	<0.99	<0.68	<0.99	<0.68	<0.68	<0.99
4-Chlorophenyl Phenyl Ether	7005-72-3	N	UG/L			<1	<0.92	<0.89	<0.92	<0.89	<0.89	<0.92
4-Dimethylaminoazobenzene	60-11-7	N	UG/L			<2	<0.74	<0.86	<0.74	<0.86	<0.86	<0.74
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L			<2	<0.93 UJ	<1.6	<0.93 UJ	<1.6	<1.6	<0.93 UJ
4-Nitroaniline	100-01-6	N	UG/L			<1	<0.92	<1.3	<0.92	<1.3	<1.3	<0.92
4-Nitrophenol	100-02-7	N	UG/L			<10	<0.75	<3.8	<0.75	<3.8	<3.8	<0.75
4-Nitroquinoline-N-Oxide	56-57-5	N	UG/L			<19	<0.6	<10	<0.6	<10	<10	<0.6
5-Nitro-Ortho-Toluidine	99-55-8	N	UG/L			<3	<0.87	<1.4	<0.87	<1.4	<1.4	<0.87
7,12-Dimethylbenz[A]Anthracene	57-97-6	N	UG/L			<2	<0.72	<0.57	<0.72	<0.57	<0.57	<0.72
Acenaphthene	83-32-9	N	UG/L			<1	<0.008	<2.9	0.0089 J	<2.9	<2.9	0.023 J
Acenaphthylene	208-96-8	N	UG/L			<1	<0.009	<0.92	<0.009	<0.92	<0.92	<0.009
Acetophenone	98-86-2	N	UG/L			<2	<0.63	<1.2	<0.63	<1.2	<1.2	<0.63
Aniline	62-53-3	N	UG/L			<1	<0.61	<0.86	<0.61	<0.86	<0.86	<0.61
Anthracene	120-12-7	N	UG/L			<1	<0.015	<0.96	<0.015	<0.96	<0.96	<0.015
Benzaldehyde	100-52-7	N	UG/L			<1		<2.6		<2.6	<2.6	
Benzidine	92-87-5	N	UG/L			<19	<1.3	<0.44 R	<1.3 R	<0.44 R	<0.44 R	<1.3
Benzo(A)Anthracene	56-55-3	N	UG/L			<1	<0.008	<0.89	<0.008	<0.89	<0.89	<0.008
Benzo(B)Fluoranthene	205-99-2	N	UG/L			<1	<0.0075	<1.2	<0.0075	<1.2	<1.2	<0.0075
Benzo(G,H,I)Perylene	191-24-2	N	UG/L			<1	<0.011	<0.65	<0.011	<0.65	<0.65	<0.011
Benzo(K)Fluoranthene	207-08-9	N	UG/L			<1	<0.007	<1.4	<0.007	<1.4	<1.4	<0.007
Benzo[A]Pyrene	50-32-8	N	UG/L			<1	<0.0075	<0.67	<0.0075	<0.67	<0.67	<0.0075
Benzoic Acid	65-85-0	N	UG/L			<6		<20		<20	<20	

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
Benzyl Alcohol	100-51-6	N	UG/L			<5	<1.1	<1.7	<1.1	<1.7	<1.7	<1.1
Bis(2-Chloroisopropyl)Ether	39638-32-9	N	UG/L			<1						
Bis(2-Chloro-1-Methylethyl) Ether	108-60-1	N	UG/L				<0.89	<0.93	<0.89	<0.93	<0.93	<0.89
Bis(2-Chloroethoxy)Methane	111-91-1	N	UG/L			<1	<0.93	<0.79	<0.93	<0.79	<0.79	<0.93
Bis(2-Chloroethyl)Ether	111-44-4	N	UG/L			<1	<0.57	<0.86	<0.57	<0.86	<0.86	<0.57
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L			<2	<1.1	1.62 B	<1.1	2.24 B	4.11 B	<1.1
Butyl Benzyl Phthalate	85-68-7	N	UG/L			<2	<0.97	<1.6	<0.97	<1.6	<1.6	<0.97
Caprolactam	105-60-2	N	UG/L									
Carbazole	86-74-8	N	UG/L			<1	<0.5 UJ	<0.77	<0.5 UJ	<0.77	<0.77	<0.5 UJ
Chlorobenzilate	510-15-6	N	UG/L			<3	<0.95	<0.75	<0.95	<0.75	<0.75	<0.95
Chrysene	218-01-9	N	UG/L			<1	<0.009	<0.93	<0.009	<0.93	<0.93	<0.009
Diallate	2303-16-4	N	UG/L			<1	<0.63	<0.43	<0.63	<0.43	<0.43	<0.63
Dibenz(A,H)Anthracene	53-70-3	N	UG/L			<1	<0.01	<0.67	<0.01	<0.67	<0.67	<0.01
Dibenzofuran	132-64-9	N	UG/L			<1	<0.87	<0.94	<0.87	<0.94	<0.94	<0.87
Diethyl Phthalate	84-66-2	N	UG/L			<2	<0.99	<1.2	<0.99	<1.2	<1.2	<0.99
Dimethyl Phthalate	131-11-3	N	UG/L			<2	<0.97	<1.8	<0.97	<1.8	<1.8	<0.97
Di-N-Butyl Phthalate	84-74-2	N	UG/L			<2	<1.1	<0.86	<1.1	<0.86	<0.86	<1.1
Ethyl Methanesulfonate	62-50-0	N	UG/L			<2	<0.76	<0.92	<0.76	<0.92	<0.92	<0.76
Fluoranthene	206-44-0	N	UG/L			<1	<0.0085	<0.74	<0.0085	<0.74	<0.74	<0.0085
Fluorene	86-73-7	N	UG/L			<1	<0.0065	<0.85	0.0080 J	<0.85	<0.85	0.014 J
Hexachlorobenzene	118-74-1	N	UG/L			<1	<0.94	<0.82	<0.94	<0.82	<0.82	<0.94
Hexachlorobutadiene	87-68-3	N	UG/L			<1	<0.81	<0.89	<0.81 UJ	<0.89	<0.89	<0.81
Hexachlorocyclopentadiene	77-47-4	N	UG/L			<5	<1.3	<0.57	<1.3	<0.57	<0.57	<1.3
Hexachloroethane	67-72-1	N	UG/L			<1	<0.57	<0.91	<0.57 UJ	<0.91	<0.91	<0.57
Hexachloropropylene	1888-71-7	N	UG/L			<2	<0.57	<0.91	<0.57	<0.91	<0.91	<0.57
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L			<1	<0.0095	<0.59	<0.0095	<0.59	<0.59	<0.0095
Isodrin	465-73-6	N	UG/L			<1	<0.92	<0.78	<0.92	<0.78	<0.78	<0.92
Isophorone	78-59-1	N	UG/L			<1	<0.96	<0.48	<0.96	<0.48	<0.48	<0.96
Isosafrole	120-58-1	N	UG/L			<1	<0.96	<1.6	<0.96	<1.6	<1.6	<0.96
Methapyrilene	91-80-5	N	UG/L			<3 R	<1.2	<0.98	<1.2	<0.98	<0.98	<1.2
Methyl Cyclohexane	108-87-2	N	UG/L									
Methyl Methanesulfonate	66-27-3	N	UG/L			<1	<0.22	<0.78	<0.22	<0.78	<0.78	<0.22
Naphthalene	91-20-3	N	UG/L			<1	<0.005	<0.9	0.015 B	<0.9	<0.9	0.0095 B
N-Dioctyl Phthalate	117-84-0	N	UG/L			<2	<0.89	<0.69	<0.89	<0.69	<0.69	<0.89
Nitrobenzene	98-95-3	N	UG/L			<1	<0.76	<1.1	<0.76	<1.1	<1.1	<0.76
N-Nitroso(Methyl)Ethylamine	10595-95-6	N	UG/L			<2	<1.3	<0.62	<1.3	<0.62	<0.62	<1.3
N-Nitrosodiethylamine	55-18-5	N	UG/L			<2	<1.3	<0.86	<1.3	<0.86	<0.86	<1.3
N-Nitrosodimethylamine	62-75-9	N	UG/L			<2	<1.3	<0.56	<1.3	<0.56	<0.56	<1.3
N-Nitroso-Di-N-Butylamine	924-16-3	N	UG/L			<2	<1.1	<0.84	<1.1	<0.84	<0.84	<1.1
N-Nitrosodi-N-Propylamine	621-64-7	N	UG/L			<1	<0.95	<0.87	<0.95	<0.87	<0.87	<0.95
N-Nitrosodiphenylamine	86-30-6	N	UG/L			<2	<0.89	<0.76	<0.89	<0.76	<0.76	<0.89
N-Nitrosomorpholine	59-89-2	N	UG/L			<2	<0.58	<1.8	<0.58	<1.8	<1.8	<0.58

Summary of Analytical Results - Surface Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9	
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712	
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9	
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007	
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	
N-Nitrosopiperidine	100-75-4	N	UG/L			<2	<0.67	<1	<0.67	<1	<1	<0.67	
N-Nitrosopyrrolidine	930-55-2	N	UG/L			<2	<0.63	<0.78	<0.63	<0.78	<0.78	<0.63	
O,O,O-Triethylphosphorothioate	126-68-1	N	UG/L			<2	<0.88	<8.1	<0.88	<8.1	<8.1	<0.88	
O-Toluidine	95-53-4	N	UG/L			<1	<0.63	<0.9	<0.63	<0.9	<0.9	<0.63	
para-Phenylenediamine	106-50-3	N	UG/L			<58 R	<13	<32 R	<13	<32 R	<32 R	<13	
Pentachlorobenzene	608-93-5	N	UG/L			<2	<0.76	<0.83	<0.76	<0.83	<0.83	<0.76	
Pentachloronitrobenzene	82-68-8	N	UG/L			<2	<0.89	<0.74	<0.89	<0.74	<0.74	<0.89	
Pentachlorophenol	87-86-5	N	UG/L			<3	<1.1	<3.2	<1.1	<3.2	<3.2	<1.1	
Phenacetin	62-44-2	N	UG/L			<2	<0.98	<0.89	<0.98	<0.89	<0.89	<0.98	
Phenanthrene	85-01-8	N	UG/L			<1	<0.023	<0.74	<0.023	<0.74	<0.74	<0.023	
Phenol	108-95-2	N	UG/L			<1	<0.65	<0.43	<0.65	<0.43	<0.43	<0.65	
Pyrene	129-00-0	N	UG/L			<1	<0.0075	<0.85	<0.0075	<0.85	<0.85	<0.0075	
Pyridine	110-86-1	N	UG/L			<2	<0.81	<0.5	<0.81 R	<0.5	<0.5	<0.81	
Safrole	94-59-7	N	UG/L			<2	<0.81	<0.96	<0.81	<0.96	<0.96	<0.81	
Tetraethyl Dithiopyrophosphate	3689-24-5	N	UG/L			<1	<0.9	<0.84	<0.9	<0.84	<0.84	<0.9	
Thionazin	297-97-2	N	UG/L			<2	<1.2	<0.93	<1.2	<0.93	<0.93	<1.2	
Dimethoate	60-51-5	N	UG/L			<3	<1.2	<1.5	<1.2	<1.5	<1.5	<1.2	
Atrazine	1912-24-9	N	UG/L										
Pronamide	23950-58-5	N	UG/L			<1	<0.92	<0.87	<0.92	<0.87	<0.87	<0.92	
<i>Dowtherm</i>													
Biphenyl	92-52-4	N	UG/L			<1		<1.3		<1.3	<1.3		
Diphenyl Ether	101-84-8	N	UG/L			<1		<0.97		<0.97	<0.97		
<i>Glycols</i>													
Diethylene Glycol	111-46-6	N	UG/L			<4200		<5300		<5300	<4200	<4200	<5300
Ethylene Glycol	107-21-1	N	UG/L			<5200		<5200		<5200	<5200	<5200	<5200
Propylene Glycol	57-55-6	N	UG/L			<3900		<9700		<9700	<3900	<3900	<9700
Triethylene Glycol	112-27-6	N	UG/L			<6900		<6300		<6300	<6900	<6900	<6300
<i>Inorganics</i>													
Antimony	7440-36-0	N	UG/L			<0.0900	<2.0	<1.20	3.20 B	<1.20	<1.20	<2.0	
Antimony	7440-36-0	Y	UG/L										
Arsenic	7440-38-2	N	UG/L			0.0920 J	<4.40	<1.40	<4.40	<1.40	1.60 J	<4.40	
Arsenic	7440-38-2	Y	UG/L										
Barium	7440-39-3	N	UG/L			5.8	4.80 J	7.40 B	3.10 J	4.60 B	4.50 B	4.0 J	
Barium	7440-39-3	Y	UG/L										
Beryllium	7440-41-7	N	UG/L			<0.970	<0.50	1.60 B	<0.50	1.80 B	1.60 B	<0.50	
Beryllium	7440-41-7	Y	UG/L										
Cadmium	7440-43-9	N	UG/L			<0.760	<0.30	<0.20	<0.30	0.230 B	<0.20	<0.30	
Cadmium	7440-43-9	Y	UG/L										
Calcium	7440-70-2	N	UG/L										
Chromium	7440-47-3	N	UG/L			0.470 B	<0.90	0.720 B	<0.90	0.770 B	0.430 B	<0.90	
Chromium	7440-47-3	Y	UG/L										
Cobalt	7440-48-4	N	UG/L			<2.00	<0.70	<0.50	<0.70	<0.50	<0.50	<0.70	

Summary of Analytical Results - Surface Water
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Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	SW7	SW7	SW7	SW8	SW8	SW9	SW9	SW9
				Field Sample ID	13447644	13508350	18476708	16308898	18476710	16308902	16308905	18476712
				Sample Name	BRE-W-SW7	BRE-G-SW7	BRE-W-SW7	BRE-W-SW8	BRE-W-SW8	BRE-W-SW9	BRE-W-SW9-DUP	BRE-W-SW9
				Date Sampled	08/06/2004	08/06/2004	09/06/2007	03/31/2006	09/06/2007	03/31/2006	03/31/2006	09/06/2007
				Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS
Cobalt	7440-48-4	Y	UG/L									
Copper	7440-50-8	N	UG/L		<2.70	<1.90	<0.30	<1.90	<0.30	<0.30	<1.90	
Copper	7440-50-8	Y	UG/L									
Iron	7439-89-6	N	UG/L									
Iron	7439-89-6	Y	UG/L									
Lead	7439-92-1	N	UG/L		<10.00	2.70 B	<1.0	2.60 B	<1.0	<1.0	2.70 B	
Lead	7439-92-1	Y	UG/L									
Magnesium	7439-95-4	N	UG/L									
Manganese	7439-96-5	N	UG/L									
Manganese	7439-96-5	Y	UG/L									
Mercury	7439-97-6	N	UG/L		<0.0280	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Mercury	7439-97-6	Y	UG/L									
Nickel	7440-02-0	N	UG/L		<3.10	<0.60	<0.90	<0.60	<0.90	<0.90	<0.60	
Nickel	7440-02-0	Y	UG/L									
Selenium	7782-49-2	N	UG/L		<5.90	<4.50 UJ	<3.30	<4.50 UJ	<3.30	<3.30	<4.50 UJ	
Selenium	7782-49-2	Y	UG/L									
Silver	7440-22-4	N	UG/L		<2.00	<0.90	<0.50	<0.90	<0.50	<0.50	<0.90	
Silver	7440-22-4	Y	UG/L									
Thallium	7440-28-0	N	UG/L		<0.130	<7.30	<3.90 UJ	<7.30	<3.90 UJ	<3.90 UJ	<7.30	
Thallium	7440-28-0	Y	UG/L									
Tin	7440-31-5	N	UG/L		<5.00	<7.0	<6.70	<7.0	<6.70	<6.70	<7.0	
Tin	7440-31-5	Y	UG/L									
Vanadium	7440-62-2	N	UG/L		<1.60	<0.60	<0.30	<0.60	<0.30	<0.30	<0.60	
Vanadium	7440-62-2	Y	UG/L									
Zinc	7440-66-6	N	UG/L		<4.80	4.10 B	3.80 B	3.0 B	7.80 B	7.10 B	6.80 B	
Zinc	7440-66-6	Y	UG/L									
<i>Miscellaneous</i>												
Nitrate	14797-55-8	N	UG/L									
Nitrite	14797-65-0	N	UG/L									
Diallate (cis Isomer)	EVS0487	N	UG/L			<0.6	<0.43	<0.6	<0.43	<0.43	<0.6	
Diallate (trans Isomer)	EVS0488	N	UG/L			<0.54	<0.47	<0.54	<0.47	<0.47	<0.54	
Total Hardness As CaCO3	471-34-1	N	UG/L									
Total Suspended Solids	C009	N	UG/L									

Summary of Analytical Results - Pore Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	PW-04	PW-04	PW-05	PW-06	PW-07	PW-09	PW-10	PW-26	PW-27	PW-29
				Field Sample ID	SSP14-PW-04	SSP14-PW-04-D	SSP14-PW-05	SSP14-PW-06	SSP14-PW-07	SSP14-PW-09	SSP14-PW-10	SSP14-PW-26	SSP14-PW-27	SSP14-PW-29
				Date Sampled	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/30/2014	10/22/2014	10/21/2014	10/22/2014	10/30/2014	10/22/2014
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	2.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	1.5	<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1	0.3 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	0.2 J	1.7	<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Summary of Analytical Results - Pore Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	PW-04	PW-04	PW-05	PW-06	PW-07	PW-09	PW-10	PW-26	PW-27	PW-29
				Field Sample ID	SSP14-PW-04	SSP14-PW-04-D	SSP14-PW-05	SSP14-PW-06	SSP14-PW-07	SSP14-PW-09	SSP14-PW-10	SSP14-PW-26	SSP14-PW-27	SSP14-PW-29
				Date Sampled	10/23/2014	10/23/2014	10/30/2014	10/30/2014	10/30/2014	10/22/2014	10/21/2014	10/22/2014	10/30/2014	10/22/2014
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	N	UG/L		0.1 J	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	0.3 J	0.1 J	0.2 J	<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010	0.83	<0.010	<0.010	<0.010	0.016 J	3.6	<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<i>Semivolatile Organic Compounds</i>														
1,4-Dioxane	123-91-1	N	UG/L		<1	<1	5	<1	<1	<1	<1	<1	<1	<1

Summary of Analytical Results - Pore Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	PW-30	PW-BALLFIELD
				Field Sample ID	SSP14-PW-30	SSP14-PW-BALLFIELD
				Date Sampled	10/22/2014	10/23/2014
				Sample Purpose	FS	FS
<i>Volatile Organic Compounds</i>						
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L		<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L		<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L		<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L		<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L		<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L		<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L		<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		<1.0	<1.0
Acetone	67-64-1	N	UG/L		<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L		<7.0	<7.0
Acrolein	107-02-8	N	UG/L		<40	<40
Acrylonitrile	107-13-1	N	UG/L		<4	<4
Allyl Chloride	107-05-1	N	UG/L		<0.1	<0.1
Benzene	71-43-2	N	UG/L		<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L		<0.1	<0.1
Bromoform	75-25-2	N	UG/L		<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L		<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L		<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L		<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L		<0.1	<0.1
Chloroform	67-66-3	N	UG/L		<0.1	<0.1
Chloroprene	126-99-8	N	UG/L		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L		<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	N	UG/L		<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L		<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L		<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L		<0.1	<0.1
Iodomethane	74-88-4	N	UG/L		<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L		<10	<10
Methacrylonitrile	126-98-7	N	UG/L		<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L		<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L		<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L		<0.2	<0.2

Summary of Analytical Results - Pore Water
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Location ID	PW-30	PW-BALLFIELD
				Field Sample ID	SSP14-PW-30	SSP14-PW-BALLFIELD
				Date Sampled	10/22/2014	10/23/2014
				Sample Purpose	FS	FS
Pentachloroethane	76-01-7	N	UG/L		<0.2	<0.2
Propionitrile	107-12-0	N	UG/L		<2.0	<2.0
Styrene	100-42-5	N	UG/L		<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L		<0.1	<0.1
Toluene	108-88-3	N	UG/L		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L		<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L		<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L		<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L		<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L		<0.010	<0.010
Xylenes	1330-20-7	N	UG/L		<0.1	<0.1
<i>Semivolatile Organic Compounds</i>						
1,4-Dioxane	123-91-1	N	UG/L		<1	<1

Summary of Analytical Results - Sediment
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>														
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0090 J	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0080 J	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
1,2-Dichloroethane	107-06-2	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Hexanone	591-78-6	MG/KG		<0.0050	<0.0040	<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0200	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0220 J	0.0170 J	0.0230	0.0190 J	0.0160 J	0.1300	0.2400	0.0220 J	0.2800	0.0210 J	0.0090 J
Acetonitrile	75-05-8	MG/KG		<0.0380	<0.0370	<0.0270	<0.0300	<0.0250	<0.0260	<0.0280	<0.0290	<0.1700	<0.0290	<0.0260
Acrolein	107-02-8	MG/KG		<0.0310	<0.0290	<0.0220	<0.0240	<0.0200	<0.0210	<0.0230	<0.0230	<0.1400	<0.0230	<0.0210
Acrylonitrile	107-13-1	MG/KG		<0.0060	<0.0060	<0.0040	<0.0050	<0.0040	<0.0040	<0.0050	<0.0050	<0.0270	<0.0050	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00080	<0.00070	<0.00050	<0.00060	<0.00050	<0.00050	<0.00060	<0.00060	<0.0030	<0.00060	<0.00050
Bromodichloromethane	75-27-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0020 B	0.0440	0.0020 B
Carbon Tetrachloride	56-23-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0090 J	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0050	<0.0040	<0.0030	<0.0040	<0.0030	0.0060	0.0140	<0.0030	<0.0200	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1500	<0.1500	<0.1100	<0.1200	<0.1000	<0.1100	<0.1100	<0.1200	<0.6800	<0.1200	<0.1000
Methacrylonitrile	126-98-7	MG/KG		<0.0080	<0.0070	<0.0050	<0.0060	<0.0050	<0.0050	<0.0060	<0.0060	<0.0340	<0.0060	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0060	<0.0060	<0.0040	<0.0050	<0.0040	0.0110	0.0150	<0.0050	<0.0270	<0.0050	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0050	<0.0040	<0.0030	<0.0040	<0.0030	<0.0030	<0.0030	<0.0030	<0.0200	<0.0030	<0.0030

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Methacrylate	80-62-6	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0460	<0.0440	<0.0320	<0.0360	<0.0300	<0.0320	<0.0340	<0.0350	<0.2000	<0.0350	<0.0310
Styrene	100-42-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0030 J	<0.0070	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0150	<0.0150	<0.0110	<0.0120	<0.0100	<0.0110	<0.0110	<0.0120	<0.0680	<0.0120	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0140	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0100 J	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0070	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>														
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
1,4-Dioxane	123-91-1	MG/KG		<0.1400	<0.1400	<0.1300	<0.1300	<0.1300	<0.1300	<0.1200	<0.1200	<0.4800	<0.1300	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<1.2000	<1.2000	<1.1000	<1.1000	<1.1000	<1.1000	<1.0000	<1.0000	<4.0000	<1.1000	<1.0000
1-Naphthylamine	134-32-7	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2,4-Dinitrophenol	51-28-5	MG/KG		<0.4300	<0.4300	<0.4000	<0.3900	<0.3800	<0.4000	<0.3700	<0.3700	<1.4000	<0.3900	<0.3700
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
2-Chloronaphthalene	91-58-7	MG/KG		<0.0100	<0.0100	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0340	<0.0090	<0.0090
2-Chlorophenol	95-57-8	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Methylnaphthalene	91-57-6	MG/KG		<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	0.0230	<0.0040	<0.0040	<0.0160	<0.0040	0.0340
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Naphthylamine	91-59-8	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
2-Nitroaniline	88-74-4	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Nitrophenol	88-75-5	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
2-Picoline	109-06-8	MG/KG		<0.1400	<0.1400	<0.1300	<0.1300	<0.1300	<0.1300	<0.1200	<0.1200	<0.4800	<0.1300	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1400	<0.1400	<0.1300	<0.1300	<0.1300	<0.1300	<0.1200	<0.1200	<0.4800	<0.1300	<0.1200

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Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.7200	<0.7200	<0.6700	<0.6500	<0.6300	<0.6700	<0.6200	<0.6200	<2.4000	<0.6500	<0.6200
3-Methylcholanthrene	56-49-5	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
3-Nitroaniline	99-09-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
4-Aminobiphenyl	92-67-1	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
4-Chloroaniline	106-47-8	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
4-Nitroaniline	100-01-6	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
4-Nitrophenol	100-02-7	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4800	<0.4800	<0.4500	<0.4300	<0.4200	<0.4500	<0.4100	<0.4100	<1.6000	<0.4300	<0.4100
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Acenaphthene	83-32-9	MG/KG		<0.0050	<0.0050	0.0110 J	<0.0040	<0.0040	0.1800	<0.0040	<0.0040	0.0290 J	<0.0040	0.3100
Acenaphthylene	208-96-8	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	0.1800	<0.0040	<0.0040	<0.0160	<0.0040	0.0110 J
Acetophenone	98-86-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Aniline	62-53-3	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
Anthracene	120-12-7	MG/KG		<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	1.6000	<0.0040	0.0060 J	<0.0160	<0.0040	0.7500
Benzo(A)Anthracene	56-55-3	MG/KG		0.0070 J	0.0070 J	0.0140 J	0.0050 J	<0.0040	3.7000	0.0060 J	0.0170 J	<0.0160	<0.0040	2.2000
Benzo(B)Fluoranthene	205-99-2	MG/KG		0.0090 J	0.0120 J	0.0220 J	<0.0040	<0.0040	3.6000	0.0070 J	0.0260	0.0210 J	<0.0040	2.8000
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0050	0.0070 J	0.0120 J	<0.0040	<0.0040	1.7000	0.0080 J	0.0100 J	0.0220 J	<0.0040	1.3000
Benzo(K)Fluoranthene	207-08-9	MG/KG		0.0070 J	<0.0050	0.0050 J	<0.0040	<0.0040	1.6000	0.0060 J	0.0090 J	<0.0160	<0.0040	1.0000
Benzo[A]Pyrene	50-32-8	MG/KG		0.0080 J	0.0110 J	0.0160 J	<0.0040	<0.0040	2.8000	0.0070 J	0.0180 J	0.0260 J	<0.0040	1.9000
Benzyl Alcohol	100-51-6	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Chlorobenzilate	510-15-6	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
Chrysene	218-01-9	MG/KG		0.0100 J	0.0090 J	0.0200 J	<0.0040	<0.0040	3.6000	<0.0040	0.0180 J	0.0270 J	<0.0040	2.0000
Diallate	2303-16-4	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	0.3900	<0.0040	<0.0040	<0.0160	<0.0040	0.3700
Dibenzofuran	132-64-9	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	0.1800	<0.0210	<0.0210	<0.0810	<0.0220	0.1200
Diethyl Phthalate	84-66-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Dimethyl Phthalate	131-11-3	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Fluoranthene	206-44-0	MG/KG		0.0190 J	0.0090 J	0.0350	<0.0040	<0.0040	7.1000	0.0070 J	0.0390	0.0510 J	<0.0040	4.5000
Fluorene	86-73-7	MG/KG		<0.0050	<0.0050	0.0060 J	<0.0040	<0.0040	0.4900	<0.0040	<0.0040	0.0390 J	<0.0040	0.3000

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
Hexachlorobenzene	118-74-1	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0160	<0.0040	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
Hexachloroethane	67-72-1	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
Hexachloropropylene	1888-71-7	MG/KG		<0.1400	<0.1400	<0.1300	<0.1300	<0.1300	<0.1300	<0.1200	<0.1200	<0.4800	<0.1300	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0050	0.0070 J	0.0130 J	<0.0040	<0.0040	1.6000	0.0060 J	0.0090 J	<0.0160	<0.0040	1.2000
Isodrin	465-73-6	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Isophorone	78-59-1	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Isosafrole	120-58-1	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Methapyrilene	91-80-5	MG/KG		<2.4000 UJ	<2.4000	<2.2000 UJ	<2.2000	<2.1000	<2.2000	<2.1000	<2.1000	<8.1000	<2.2000	<2.1000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
Naphthalene	91-20-3	MG/KG		<0.0050	<0.0050	0.0350	<0.0040	<0.0040	0.0280	<0.0040	<0.0040	<0.0160	<0.0040	0.0580
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Nitrobenzene	98-95-3	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
O-Toluidine	95-53-4	MG/KG		<0.2900	<0.2900	<0.2700	<0.2600	<0.2500	<0.2700	<0.2500	<0.2500	<0.9700	<0.2600	<0.2500
para-Phenylenediamine	106-50-3	MG/KG		<17.0000	<17.0000	<16.0000	<15.0000	<15.0000	<16.0000	<14.0000	<14.0000	<56.0000	<15.0000	<15.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Pentachlorophenol	87-86-5	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
Phenacetin	62-44-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Phenanthrene	85-01-8	MG/KG		0.0110 J	<0.0050	0.0230	<0.0040	<0.0040	5.2000	<0.0040	0.0280	0.0190 J	<0.0040	2.9000
Phenol	108-95-2	MG/KG		<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Pyrene	129-00-0	MG/KG		0.0140 J	0.0080 J	0.0290	<0.0040	<0.0040	5.0000	0.0050 J	0.0300	0.0410 J	<0.0040	3.5000
Pyridine	110-86-1	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Safrole	94-59-7	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Thionazin	297-97-2	MG/KG		<0.0960	<0.0950	<0.0890	<0.0860	<0.0850	<0.0890	<0.0830	<0.0820	<0.3200	<0.0870	<0.0830
Dimethoate	60-51-5	MG/KG		<0.2400	<0.2400	<0.2200	<0.2200	<0.2100	<0.2200	<0.2100	<0.2100	<0.8100	<0.2200	<0.2100
Pronamide	23950-58-5	MG/KG		<0.0480	<0.0480	<0.0450	<0.0430	<0.0420	<0.0450	<0.0410	<0.0410	<0.1600	<0.0430	<0.0410
<i>Dowtherm</i>														
Biphenyl	92-52-4	MG/KG		<0.0240	<0.0240	0.0260 J	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	<0.0810	<0.0220	<0.0210
Diphenyl Ether	101-84-8	MG/KG		<0.0240	<0.0240	0.7000	<0.0220	<0.0210	<0.0220	<0.0210	<0.0210	0.0960 J	<0.0220	<0.0210
<i>Glycols</i>														

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
Diethylene Glycol	111-46-6	MG/KG		<7.2000 UJ	<7.2000 UJ	8.2000 J	<6.5000 UJ	<6.4000 UJ	<6.7000	<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000
Ethylene Glycol	107-21-1	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.7000 UJ	<6.5000 UJ	<6.4000 UJ	<6.7000	<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000
Propylene Glycol	57-55-6	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.7000 UJ	<6.5000 UJ	<6.4000 UJ	<6.7000	<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000
Triethylene Glycol	112-27-6	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.7000 UJ	<6.5000 UJ	<6.4000 UJ	<6.7000	<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000
<i>Inorganics</i>														
Antimony	7440-36-0	MG/KG		<0.119	<0.121	<0.114	<0.108	<0.105	0.135 J	<0.102	<0.103	1.70 J	<0.109	<0.100
Arsenic	7440-38-2	MG/KG		0.357 J	0.322 J	0.441 J	0.223 J	0.355 J	1.77 J	0.999 J	0.782 J	5.12 J	0.545 J	0.344 J
Barium	7440-39-3	MG/KG		19.4 J	17.3 J	19.7 J	6.05 J	5.70 J	77.5 J	23.5 J	7.43 J	87.1 J	9.51 J	15.2 J
Beryllium	7440-41-7	MG/KG		0.597 J	0.468 J	0.540 J	0.168 J	0.188 J	0.394 J	0.283 J	0.132 J	1.82 J	0.455 J	0.143 J
Cadmium	7440-43-9	MG/KG		<0.0466	<0.0472	0.104 J	<0.0422	<0.0410	0.0497 J	<0.0397	<0.0403	<0.156	0.0888 J	<0.0391
Chromium	7440-47-3	MG/KG		4.83	2.80 J	5.08	1.40 J	2.53 J	1.65 J	0.858 J	2.29 J	8.02 J	2.19 J	1.57 J
Cobalt	7440-48-4	MG/KG		1.36 J	1.21 J	1.23 J	0.585 J	0.590 J	4.55	1.94	0.512 J	3.28 J	1.19 J	1.14 J
Copper	7440-50-8	MG/KG		2.72 J	2.28 J	3.22	0.738 J	0.976 J	4.82	3.40	1.20 J	11.0	1.67 J	1.49 J
Iron	7439-89-6	MG/KG		4840 J	3790 J	4370 J	1950 J	1860 J	10900 J	9780 J	3130 J	72700 J	5690 J	4920 J
Lead	7439-92-1	MG/KG		3.68 J	3.25 J	3.49 J	1.35 J	2.10 J	5.71 J	3.39 J	2.96 J	13.0 J	3.04 J	2.49 J
Manganese	7439-96-5	MG/KG		158 J	139 J	71.1 J	54.7 J	73.6 J	5760 J	1270 J	24.7 J	1350 J	103 J	101 J
Mercury	7439-97-6	MG/KG		<0.0139	<0.0136	<0.0132	<0.0127	<0.0124	<0.0130	<0.0115	<0.0119	<0.0477	<0.0130	<0.0122
Nickel	7440-02-0	MG/KG		2.60 J	1.89 J	2.85	0.701 J	0.839 J	0.407 J	<0.180	0.944 J	<0.710	1.66 J	0.944 J
Selenium	7782-49-2	MG/KG		0.163 J	0.169 J	<0.135	<0.128	<0.124	0.170 J	0.150 J	<0.122	1.04 J	<0.129	<0.118
Silver	7440-22-4	MG/KG		<0.268	<0.272	<0.256	<0.243	<0.236	1.41	0.747 J	<0.232	15.3	<0.244	<0.225
Thallium	7440-28-0	MG/KG		0.0889 J	0.102 J	0.0914 J	<0.0384	<0.0373	0.348 J	0.0873 J	0.0458 J	1.80 J	0.0435 J	0.138 J
Tin	7440-31-5	MG/KG		2.27 B	2.08 B	2.42 B	2.09 B	2.15 B	2.13 B	1.70 B	2.08 B	6.28 B	3.27 B	1.60 B
Vanadium	7440-62-2	MG/KG		10.7 J	7.58 J	12.7 J	4.11 J	5.63 J	7.11 J	3.83 J	5.79 J	21.5 J	11.3 J	6.38 J
Zinc	7440-66-6	MG/KG		14.4	12.7	14.4	5.81	5.51	63.7	17.9	6.04	59.0	9.64	16.6
<i>SEM-Metals</i>														
Cadmium	7440-43-9	UMOL/G		<0.000071	0.000104 B	0.000254 J	0.000167 J	0.000120 J	<0.000072	<0.000071	0.000141 J	<0.000143	0.000112 J	<0.000102
Copper	7440-50-8	UMOL/G		0.00974	0.00881	0.0156	0.0307	0.0141	0.0487	0.00945	0.0214	0.00882	0.0140	0.0234
Lead	7439-92-1	UMOL/G		0.00569	0.00592	0.00791	0.00467	0.00337 J	0.0104	0.00454	0.00609	0.00299	0.00295 J	0.00922
Mercury	7439-97-6	UMOL/G		<0.0000073 UJ	<0.0000073 UJ	<0.0000074 UJ	0.0000092 J	<0.0000072 UJ	0.0000097 J	0.000010 J	<0.0000072 UJ	<0.0000073 UJ	<0.0000074 UJ	<0.000010 UJ
Nickel	7440-02-0	UMOL/G		0.0117 J	0.00839 J	0.00440 J	0.0978 J	0.0939 J	0.174 J	<0.000619	0.108 J	<0.000622	0.0346 J	0.00542 J
Silver	7440-22-4	UMOL/G		0.000821 J	0.000859 J	<0.000437	<0.000429	<0.000423	0.00355	0.00253	<0.000422	0.00896	<0.000434	<0.000610
Zinc	7440-66-6	UMOL/G		0.0534	0.0551	0.0502 B	0.0392 B	0.0392 B	0.339	0.135	0.0261 B	0.0893	0.0453 B	0.0917
<i>Miscellaneous</i>														
Nitrate	14797-55-8	MG/KG		<0.71	<0.71							<2.4		
Nitrite	14797-65-0	MG/KG		<0.71	<0.71							<2.4		
Total Organic Carbon	C012	MG/KG		2740 J	2430 J	4080	<129	<128	2020 J	<124	3430	43500 J	680	631
0.001 MM	EVS0140	% PASSING		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50
0.002 MM	EVS0141	% PASSING		<0.50	<0.50	1.0	<0.50	<0.50	<0.50	<0.50	1.0	1.0	1.0	0.50
0.005 MM	EVS0142	% PASSING		<0.50	1.0	2.0	<0.50	<0.50	<0.50	<0.50	2.0	3.0	2.0	0.50
0.02 MM	EVS0143	% PASSING		<0.50	2.0 J	5.0	1.0	2.0	<0.50	<0.50	5.0	8.0	2.0	1.0
0.05 MM	EVS0144	% PASSING		0.50 J	2.0 J	10.0	2.0	4.0	<0.50	<0.50	9.0	15.0	<0.50	2.0
0.064 MM	EVS0061	% PASSING		2.0	2.5	16.0	3.0	5.0	0.50	<0.50	13.0	30.0	<0.50	3.0
0.075 MM	EVS0062	% PASSING		4.0	3.9	20.1	3.4	5.6	0.87	<0.50	14.6	37.6	<0.50	4.2

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09	SED-10	SED-14	SED-26	SED-27	SED-28
			Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28
			Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014
			Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
0.15 MM	EVS0145	% PASSING		11.6	11.4	39.2	4.3	8.6	2.3	1.5	21.6	56.4	<0.50	11.2
0.3 MM	EVS0146	% PASSING		33.7	33.0	75.5	11.2	27.0	13.4	10.4	38.4	78.6	4.7	26.4
0.6 MM	EVS0147	% PASSING		79.4	79.9	96.4	49.7	62.0	30.1	23.1	67.2	92.2	18.3	43.1
1.18 MM	EVS0148	% PASSING		99.0	98.9	97.6	76.7	92.1	42.7	33.9	91.0	97.8	66.2	57.0
19 MM	EVS0149	% PASSING		100	100	100	100	100	96.5	100	100	100	100	96.4
2.36 MM	EVS0150	% PASSING		99.8	99.8	97.9	90.3	98.6	52.3	46.5	98.4	98.9	92.7	63.7
3.35 MM	EVS0151	% PASSING		100	99.9	98.1	95.3	99.6	58.1	55.9	99.8	99.9	97.4	70.3
37.5 MM	EVS0152	% PASSING		100	100	100	100	100	100	100	100	100	100	100
4.75 MM	EVS0153	% PASSING		100	100	98.2	98.4	100	64.8	66.6	99.9	100	99.0	77.1
75 MM	EVS0154	% PASSING		100	100	100	100	100	100	100	100	100	100	100
Acid Volatile Sulfide	EVS0162	UMOL/G		<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	2.6	<0.63	<0.90
Percent Moisture	EVS0198	%		30.5	30.1	25.8	22.6	21.9	25.3	19.3	19.8	79.3	23.8	19.6

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
<i>Volatile Organic Compounds</i>											
1,1,1,2-Tetrachloroethane	630-20-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,1,1-Trichloroethane	71-55-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,2,3-Trichloropropane	96-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	96-12-8	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	106-93-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,2-Dichlorobenzene	95-50-1	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
1,2-Dichloroethane	107-06-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,2-Dichloropropane	78-87-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
1,3-Dichlorobenzene	541-73-1	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
1,4-Dichlorobenzene	106-46-7	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Hexanone	591-78-6	MG/KG		<0.0040	<0.0040	<0.0030	<0.0030	<0.0130	<0.0100	<0.0030	<0.0030
Acetone	67-64-1	MG/KG		0.0230 J	0.0180 J	0.0150 J	0.0240	0.2500	0.1400	0.0320	0.0210
Acetonitrile	75-05-8	MG/KG		<0.0320	<0.0330	<0.0260	<0.0290	<0.1100	<0.0850	<0.0260	<0.0260
Acrolein	107-02-8	MG/KG		<0.0250	<0.0260	<0.0210	<0.0230	<0.0860	<0.0680	<0.0210	<0.0210
Acrylonitrile	107-13-1	MG/KG		<0.0050	<0.0050	<0.0040	<0.0050	<0.0170	<0.0140	<0.0040	<0.0040
Allyl Chloride	107-05-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Benzene	71-43-2	MG/KG		<0.00060	<0.00070	<0.00050	<0.00060	<0.0020	<0.0020	<0.00050	<0.00050
Bromodichloromethane	75-27-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Bromoform	75-25-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Carbon Disulfide	75-15-0	MG/KG		<0.0010	<0.0010	0.0020 B	0.0030 B	<0.0040	<0.0030	<0.0010	<0.0010
Carbon Tetrachloride	56-23-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Chlorodibromomethane	124-48-1	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Chloroprene	126-99-8	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
cis-1,3-Dichloropropene	10061-01-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Dichlorodifluoromethane	75-71-8	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Ethyl Chloride	75-00-3	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Ethyl Methacrylate	97-63-2	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Iodomethane	74-88-4	MG/KG		<0.0040	<0.0040	<0.0030	<0.0030	<0.0130	<0.0100	<0.0030	<0.0030
Isobutyl Alcohol	78-83-1	MG/KG		<0.1300	<0.1300	<0.1000	<0.1200	<0.4300	<0.3400	<0.1000	<0.1000
Methacrylonitrile	126-98-7	MG/KG		<0.0060	<0.0070	<0.0050	<0.0060	<0.0210	<0.0170	<0.0050	<0.0050
Methyl Bromide	74-83-9	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Methyl Chloride	74-87-3	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Methyl Ethyl Ketone	78-93-3	MG/KG		<0.0050	<0.0050	<0.0040	<0.0050	0.0270 J	<0.0140	<0.0040	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG		<0.0040	<0.0040	<0.0030	<0.0030	<0.0130	<0.0100	<0.0030	<0.0030

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Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Methacrylate	80-62-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Methylene Bromide	74-95-3	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Methylene Chloride	75-09-2	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Propionitrile	107-12-0	MG/KG		<0.0380	<0.0390	<0.0310	<0.0350	<0.1300	<0.1000	<0.0310	<0.0310
Styrene	100-42-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Toluene	108-88-3	MG/KG		<0.0010	<0.0010	0.0010 J	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
trans-1,3-Dichloropropene	10061-02-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	110-57-6	MG/KG		<0.0130	<0.0130	<0.0100	<0.0120	<0.0430	<0.0340	<0.0100	<0.0100
Trichloroethene	79-01-6	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Vinyl Acetate	108-05-4	MG/KG		<0.0030	<0.0030	<0.0020	<0.0020	<0.0090	<0.0070	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG		<0.0010	<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010	<0.0010
<i>Semivolatile Organic Compounds</i>											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
1,2,4-Trichlorobenzene	120-82-1	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
1,3,5-Trinitrobenzene	99-35-4	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
1,3-Dinitrobenzene	99-65-0	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
1,4-Dioxane	123-91-1	MG/KG		<0.1400	<0.1400	<0.1200	<0.1300	<0.4500	<0.2900	<0.1500	<0.1200
1,4-Naphthoquinone	130-15-4	MG/KG		<1.2000	<1.2000	<1.0000	<1.1000	<3.7000	<2.4000	<1.3000	<1.0000
1-Naphthylamine	134-32-7	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
2,3,4,6-Tetrachlorophenol	58-90-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
2,4,5-Trichlorophenol	95-95-4	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2,4,6-Trichlorophenol	88-06-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2,4-Dichlorophenol	120-83-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2,4-Dinitrophenol	51-28-5	MG/KG		<0.4300	<0.4300	<0.3700	<0.3900	<1.3000	<0.8700	<0.4600	<0.3700
2,4-Dinitrotoluene	121-14-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
2,6-Dichlorophenol	87-65-0	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2,6-Dinitrotoluene	606-20-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Acetylaminofluorene	53-96-3	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
2-Chloronaphthalene	91-58-7	MG/KG		<0.0100	<0.0100	<0.0090	<0.0090	<0.0310	<0.0200	<0.0110	<0.0090
2-Chlorophenol	95-57-8	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Naphthylamine	91-59-8	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
2-Nitroaniline	88-74-4	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Nitrophenol	88-75-5	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
2-Picoline	109-06-8	MG/KG		<0.1400	<0.1400	<0.1200	<0.1300	<0.4500	<0.2900	<0.1500	<0.1200
3,3'-Dichlorobenzidine	91-94-1	MG/KG		<0.1400	<0.1400	<0.1200	<0.1300	<0.4500	<0.2900	<0.1500	<0.1200

Summary of Analytical Results - Sediment
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Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
3,3'-Dimethylbenzidine	119-93-7	MG/KG		<0.7200	<0.7200	<0.6200	<0.6500	<2.2000	<1.5000	<0.7600	<0.6100
3-Methylcholanthrene	56-49-5	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
3-Nitroaniline	99-09-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
4,6-Dinitro-2-Methylphenol	534-52-1	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
4-Aminobiphenyl	92-67-1	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
4-Bromophenyl Phenyl Ether	101-55-3	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
4-Chloro-3-Methylphenol	59-50-7	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
4-Chloroaniline	106-47-8	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
4-Chlorophenyl Phenyl Ether	7005-72-3	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
4-Dimethylaminoazobenzene	60-11-7	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
4-Nitroaniline	100-01-6	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
4-Nitrophenol	100-02-7	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
4-Nitroquinoline-N-Oxide	56-57-5	MG/KG		<0.4800	<0.4800	<0.4100	<0.4400	<1.5000	<0.9700	<0.5100	<0.4100
5-Nitro-Ortho-Toluidine	99-55-8	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Acenaphthene	83-32-9	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040
Acenaphthylene	208-96-8	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040
Acetophenone	98-86-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Aniline	62-53-3	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
Anthracene	120-12-7	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	0.0110 J	<0.0050	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG		<0.0050	0.0070 J	<0.0040	0.0060 J	<0.0150	0.0470 J	0.0060 J	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG		<0.0050	0.0140 J	<0.0040	0.0070 J	0.0540 J	0.0670	0.0130 J	<0.0040
Benzo(G,H,I)Perylene	191-24-2	MG/KG		<0.0050	0.0110 J	<0.0040	0.0050 J	0.0250 J	0.0550	0.0090 J	<0.0040
Benzo(K)Fluoranthene	207-08-9	MG/KG		<0.0050	<0.0050	<0.0040	0.0060 J	0.0180 J	0.0550	0.0060 J	<0.0040
Benzo[A]Pyrene	50-32-8	MG/KG		<0.0050	0.0110 J	<0.0040	0.0060 J	0.0520 J	0.0550	0.0080 J	<0.0040
Benzyl Alcohol	100-51-6	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
Bis(2-Chloroisopropyl)Ether	39638-32-9	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Bis(2-Chloroethoxy)Methane	111-91-1	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Bis(2-Chloroethyl)Ether	111-44-4	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Butyl Benzyl Phthalate	85-68-7	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Chlorobenzilate	510-15-6	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
Chrysene	218-01-9	MG/KG		<0.0050	0.0120 J	<0.0040	0.0070 J	0.0460 J	0.0740	0.0080 J	<0.0040
Diallate	2303-16-4	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
Dibenz(A,H)Anthracene	53-70-3	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	0.0140 J	<0.0050	<0.0040
Dibenzofuran	132-64-9	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Diethyl Phthalate	84-66-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Dimethyl Phthalate	131-11-3	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Di-N-Butyl Phthalate	84-74-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Ethyl Methanesulfonate	62-50-0	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Fluoranthene	206-44-0	MG/KG		0.0060 J	0.0140 J	<0.0040	0.0170 J	0.0820	0.1200	0.0180 J	<0.0040
Fluorene	86-73-7	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040

Summary of Analytical Results - Sediment
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Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Hexachlorobenzene	118-74-1	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040
Hexachlorobutadiene	87-68-3	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Hexachlorocyclopentadiene	77-47-4	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
Hexachloroethane	67-72-1	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
Hexachloropropylene	1888-71-7	MG/KG		<0.1400	<0.1400	<0.1200	<0.1300	<0.4500	<0.2900	<0.1500	<0.1200
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG		<0.0050	0.0100 J	<0.0040	0.0050 J	<0.0150	0.0400 J	0.0080 J	<0.0040
Isodrin	465-73-6	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Isophorone	78-59-1	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Isosafrole	120-58-1	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Methapyrilene	91-80-5	MG/KG		<2.4000	<2.4000	<2.1000	<2.2000	<7.5000	<4.8000	<2.5000	<2.0000
Methyl Methanesulfonate	66-27-3	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
Naphthalene	91-20-3	MG/KG		<0.0050	<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050	<0.0040
N-Dioctyl Phthalate	117-84-0	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Nitrobenzene	98-95-3	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
N-Nitroso(Methyl)Ethylamine	10595-95-6	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
N-Nitrosodiethylamine	55-18-5	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
N-Nitrosodimethylamine	62-75-9	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
N-Nitrosodi-N-Propylamine	621-64-7	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
N-Nitrosodiphenylamine	86-30-6	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
N-Nitrosomorpholine	59-89-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
N-Nitrosopiperidine	100-75-4	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
N-Nitrosopyrrolidine	930-55-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
O,O,O-Triethylphosphorothioate	126-68-1	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
O-Toluidine	95-53-4	MG/KG		<0.2900	<0.2900	<0.2500	<0.2600	<0.9000	<0.5800	<0.3000	<0.2400
para-Phenylenediamine	106-50-3	MG/KG		<17.0000	<17.0000	<14.0000	<15.0000	<52.0000	<34.0000	<18.0000	<14.0000
Pentachlorobenzene	608-93-5	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Pentachloronitrobenzene	82-68-8	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Pentachlorophenol	87-86-5	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
Phenacetin	62-44-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Phenanthrene	85-01-8	MG/KG		<0.0050	0.0070 J	<0.0040	0.0140 J	0.0340 J	0.0470 J	0.0100 J	<0.0040
Phenol	108-95-2	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Pyrene	129-00-0	MG/KG		0.0080 J	0.0140 J	<0.0040	0.0140 J	0.0700 J	0.0930	0.0150 J	<0.0040
Pyridine	110-86-1	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Safrole	94-59-7	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Tetraethyl Dithiopyrophosphate	3689-24-5	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Thionazin	297-97-2	MG/KG		<0.0950	<0.0960	<0.0820	<0.0870	<0.3000	<0.1900	<0.1000	<0.0810
Dimethoate	60-51-5	MG/KG		<0.2400	<0.2400	<0.2100	<0.2200	<0.7500	<0.4800	<0.2500	<0.2000
Pronamide	23950-58-5	MG/KG		<0.0480	<0.0480	<0.0410	<0.0440	<0.1500	<0.0970	<0.0510	<0.0410
<i>Dowtherm</i>											
Biphenyl	92-52-4	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
Diphenyl Ether	101-84-8	MG/KG		<0.0240	<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250	<0.0200
<i>Glycols</i>											

Summary of Analytical Results - Sediment
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Diethylene Glycol	111-46-6	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ	<6.1000
Ethylene Glycol	107-21-1	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ	<6.1000
Propylene Glycol	57-55-6	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ	<6.1000
Triethylene Glycol	112-27-6	MG/KG		<7.2000 UJ	<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ	<6.1000
<i>Inorganics</i>											
Antimony	7440-36-0	MG/KG		<0.116	<0.120	<0.104	<0.110	<0.378	0.242 J	<0.128	<0.0983
Arsenic	7440-38-2	MG/KG		0.838 J	0.494 J	0.500 J	3.05	5.21 J	3.34 J	0.984 J	0.382 J
Barium	7440-39-3	MG/KG		29.4 J	18.5 J	4.98 J	12.7 J	120 J	76.3 J	22.0 J	12.6 J
Beryllium	7440-41-7	MG/KG		1.01 J	0.613 J	0.0842 J	0.374 J	2.62 J	1.66 J	0.574 J	0.494 J
Cadmium	7440-43-9	MG/KG		<0.0454	<0.0470	<0.0408	0.121 J	0.220 J	0.165 J	<0.0502	<0.0384
Chromium	7440-47-3	MG/KG		2.41 J	2.46 J	3.11 J	7.09	15.4	13.4	3.64 J	1.33 J
Cobalt	7440-48-4	MG/KG		2.07	1.34 J	0.374 J	1.11 J	4.17 J	3.87	1.33 J	0.858 J
Copper	7440-50-8	MG/KG		4.12	1.97 J	0.993 J	3.72	9.13	6.59	2.54 J	1.27 J
Iron	7439-89-6	MG/KG		8460 J	6310 J	3340 J	11600 J	16600 J	13100 J	6140 J	6090 J
Lead	7439-92-1	MG/KG		9.16 J	7.55 J	2.29 J	9.28 J	49.8 J	24.1 J	7.88 J	2.87 J
Manganese	7439-96-5	MG/KG		205 J	116 J	21.0 J	58.3 J	280 J	151 J	67.1 J	106 J
Mercury	7439-97-6	MG/KG		<0.0138	<0.0137	<0.0118	<0.0125	0.100 J	0.0421 J	<0.0152	<0.0113
Nickel	7440-02-0	MG/KG		2.45 J	1.66 J	0.635 J	2.39 J	8.23 J	6.66	2.39 J	0.453 J
Selenium	7782-49-2	MG/KG		0.276 J	0.183 J	<0.124	0.130 J	2.29 J	1.16 J	0.228 J	0.126 J
Silver	7440-22-4	MG/KG		<0.261	<0.271	<0.235	<0.247	<0.852	<0.541	<0.289	<0.221
Thallium	7440-28-0	MG/KG		0.229 J	0.175 J	<0.0371	0.0861 J	0.618 J	0.317 J	0.0976 J	0.114 J
Tin	7440-31-5	MG/KG		2.98 B	2.73 B	3.29 B	2.79 B	6.40 B	4.89 B	2.45 B	1.72 B
Vanadium	7440-62-2	MG/KG		14.2 J	11.9 J	6.44 J	20.4 J	48.1 J	40.6 J	12.4 J	7.51 J
Zinc	7440-66-6	MG/KG		30.1	18.8	4.57 J	13.5	66.6	50.8	16.6	11.8
<i>SEM-Metals</i>											
Cadmium	7440-43-9	UMOL/G		<0.000111	<0.0000934	0.000088 J	0.000226 J	0.00110 J	0.000626 J	<0.000117	<0.0000950
Copper	7440-50-8	UMOL/G		0.0428	0.00796 J	0.00721 B	0.0206	0.0226 J	0.0187 J	0.0158	0.00514 J
Lead	7439-92-1	UMOL/G		0.0156	0.0105	0.00409	0.0188	0.132	0.0849	0.0230	0.00808
Mercury	7439-97-6	UMOL/G		<0.000011 UJ	<0.0000095 UJ	<0.0000072 UJ	<0.0000072 UJ	<0.000037 UJ	<0.000024 UJ	<0.000012 UJ	<0.0000097 UJ
Nickel	7440-02-0	UMOL/G		0.253 J	0.0125 J	0.0572 J	0.000889 J	0.0244 J	0.0285 J	0.00295 J	0.00106 J
Silver	7440-22-4	UMOL/G		<0.000667	0.000790 J	<0.000425	<0.000426	<0.00218	<0.00141	0.00107 J	<0.000570
Zinc	7440-66-6	UMOL/G		0.0632	0.0344	0.0138 B	0.0256 B	0.598	0.315	0.0734	0.0396
<i>Miscellaneous</i>											
Nitrate	14797-55-8	MG/KG									
Nitrite	14797-65-0	MG/KG									
Total Organic Carbon	C012	MG/KG		<143	4890	<125	1500	135000	37900	5000	440
0.001 MM	EVS0140	% PASSING		0.50	0.50	<0.50	3.0	6.0	12.0	1.0	0.50
0.002 MM	EVS0141	% PASSING		0.50	0.50	<0.50	6.0	20.0	17.0	1.0	0.50
0.005 MM	EVS0142	% PASSING		0.50	0.50	1.0	8.0	39.0	25.0	1.0	0.50
0.02 MM	EVS0143	% PASSING		2.0	0.50	2.0	10.0	61.0	49.0	6.0	1.0
0.05 MM	EVS0144	% PASSING		6.0	2.0	3.0	13.0	78.0	66.0	12.0	1.0
0.064 MM	EVS0061	% PASSING		8.0	5.0	4.0	14.0	86.0	74.0	18.0	<0.50
0.075 MM	EVS0062	% PASSING		8.9	6.7	6.0	14.8	88.6	77.2	21.7	0.68

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Analyte	CAS No.	Units	Location ID	SED-29	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35	SED-BALLFIELD
			Field Sample ID	SSP14-SED-29	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35	SSP14-SED-BALLFIELD
			Date Sampled	10/23/2014	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014	10/23/2014
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
0.15 MM	EVS0145	% PASSING		17.2	14.7	18.6	22.0	92.6	85.9	42.2	15.4
0.3 MM	EVS0146	% PASSING		33.5	32.1	48.2	36.3	96.2	93.2	68.3	31.6
0.6 MM	EVS0147	% PASSING		50.2	52.2	78.2	53.4	98.7	97.1	81.5	49.4
1.18 MM	EVS0148	% PASSING		63.8	67.6	94.0	70.0	99.7	99.1	90.3	61.0
19 MM	EVS0149	% PASSING		100	100	100	96.7	100	100	100	100
2.36 MM	EVS0150	% PASSING		69.8	73.8	97.9	79.6	100	99.9	96.7	67.3
3.35 MM	EVS0151	% PASSING		74.6	79.4	98.9	83.7	100	99.9	98.8	72.3
37.5 MM	EVS0152	% PASSING		100	100	100	100	100	100	100	100
4.75 MM	EVS0153	% PASSING		79.0	83.8	99.5	87.5	100	100	99.8	78.4
75 MM	EVS0154	% PASSING		100	100	100	100	100	100	100	100
Acid Volatile Sulfide	EVS0162	UMOL/G		<0.97	<0.81	<0.63	<0.63	<3.2	<2.0	<1.0	<0.83
Percent Moisture	EVS0198	%		30.1	30.5	20.0	24.5	77.7	65.6	34.2	18.2

**APPENDIX G
SITE-SPECIFIC REMEDIAL LEVEL CALCULATIONS –
ADDENDUM**

Site-Specific Remedial Level Calculations - Addendum

Forest Ranger Remedial Level Calculations - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 1.62E+06
 cancer 4.54E+06

IFD = IF, Soil Dermal
 noncancer 3.90E+05
 cancer 1.09E+06

IFI = IF, Soil Inhalation
 noncancer 6.08E+00
 cancer 1.70E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-06

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.27E+00	1.40E-01	2.00E+00	3.90E+00	5.70E-04	IRIS	-	4.06E+04	1.43E+00

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Natl Guard Remedial Level Calculations - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$$RLn = HQ \times IFSn \times RfDo$$

$$RLc = TR \times IFSc / SFo$$

Where:

Soil Dermal Absorption

$$RLn = HQ \times IFDn \times RfDd / (ABS)$$

$$RLc = TR \times IFDc / (SFd \times ABS)$$

Soil Inhalation

$$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$$

$$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$$

Multiple Pathway

$$RL =$$

$$\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$$

IF = Intake Factors

IFS = IF Soil Ingestion

noncancer	6.21E+06
cancer	5.44E+07

IFD = IF, Soil Dermal

noncancer	5.97E+05
cancer	5.22E+06

IFI = IF, Soil Inhalation

noncancer	7.77E+00
cancer	6.80E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-06

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.72E+01	1.40E-01	2.00E+00	1.87E+01	5.70E-04	IRIS	-	1.62E+05	1.11E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Remedial Level Calculations - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RLn = HQ \times IFSn \times RfDo$

$RLc = TR \times IFSc / SFo$

Where:

Soil Dermal Absorption

$RLn = HQ \times IFDn \times RfDd / (ABS)$

$RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation

$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$

$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-06

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+01	1.40E-01	2.00E+00	2.80E+01	5.70E-04	IRIS	-	7.32E+05	8.59E+00

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Subsurface Soil Remedial Level Calculations - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$$RL_n = HQ \times IFS_n \times RfDo$$

$$RL_c = TR \times IFS_c / SF_o$$

Where:

Soil Dermal Absorption

$$RL_n = HQ \times IFD_n \times RfDd / (ABS)$$

$$RL_c = TR \times IFD_c / (SFd \times ABS)$$

Soil Inhalation

$$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$$

$$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$$

Multiple Pathway

$$RL =$$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

RBC_n = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBC_c = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-06

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+01	1.40E-01	2.00E+00	2.80E+01	5.70E-04	IRIS	-	7.32E+05	8.59E+00

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Trail User Remedial Level Calculations - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

noncancer	1.01E+06
	9.01E+06
	1.99E+06
cancer	3.77E+05
	2.95E+06
	6.96E+05
mutagen	4.06E+01
	1.09E-01
	3.94E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Calculated

Calculated

1

1.00E-06

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	4.51E+00	1.40E-01	2.00E+00	1.05E+01	5.70E-04	IRIS	-	2.61E+05	3.16E+00

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Forest Ranger Remedial Level Calculations (1 x 10⁻⁵ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 1.62E+06
 cancer 4.54E+06

IFD = IF, Soil Dermal
 noncancer 3.90E+05
 cancer 1.09E+06

IFI = IF, Soil Inhalation
 noncancer 6.08E+00
 cancer 1.70E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-05

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.27E+01	1.40E-01	2.00E+00	3.90E+01	5.70E-04	IRIS	-	4.06E+05	1.43E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Natl Guard Remedial Level Calculations (1 x 10⁻⁵ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RLn = HQ \times IFSn \times RfDo$

$RLc = TR \times IFSc / SFo$

Where:

Soil Dermal Absorption

$RLn = HQ \times IFDn \times RfDd / (ABS)$

$RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation

$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$

$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 6.21E+06
 cancer 5.44E+07

IFD = IF, Soil Dermal
 noncancer 5.97E+05
 cancer 5.22E+06

IFI = IF, Soil Inhalation
 noncancer 7.77E+00
 cancer 6.80E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-05

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.72E+02	1.40E-01	2.00E+00	1.87E+02	5.70E-04	IRIS	-	1.62E+06	1.11E+02

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Remedial Level Calculations (1 x 10⁵ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RLn = HQ \times IFSn \times RfDo$

$RLc = TR \times IFSc / SFo$

Where:

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

Soil Dermal Absorption

$RLn = HQ \times IFDn \times RfDd / (ABS)$

$RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation

$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$

$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Multiple Pathway

RL =

$$\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$$

Calculated

Calculated

1

1.00E-05

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+02	1.40E-01	2.00E+00	2.80E+02	5.70E-04	IRIS	-	7.32E+06	8.59E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Subsurface Soil Remedial Level Calculations (Target Risk 1x10⁵) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-05

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+02	1.40E-01	2.00E+00	2.80E+02	5.70E-04	IRIS	-	7.32E+06	8.59E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Trail User Remedial Level Calculations (1 x 10⁵ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

noncancer	1.01E+06
	9.01E+06
	1.99E+06
cancer	3.77E+05
	2.95E+06
	6.96E+05
mutagen	4.06E+01
	1.09E-01
	3.94E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Calculated

Calculated

1

1.00E-05

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	4.51E+01	1.40E-01	2.00E+00	1.05E+02	5.70E-04	IRIS	-	2.61E+06	3.16E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Forest Ranger Remedial Level Calculations (1 x 10⁻⁴ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RLn = HQ \times IFSn \times RfDo$

$RLc = TR \times IFSc / SFo$

Where:

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 1.62E+06
 cancer 4.54E+06

IFD = IF, Soil Dermal
 noncancer 3.90E+05
 cancer 1.09E+06

IFI = IF, Soil Inhalation
 noncancer 6.08E+00
 cancer 1.70E-02

Soil Dermal Absorption

$RLn = HQ \times IFDn \times RfDd / (ABS)$

$RLc = TR \times IFDc / (SFd \times ABS)$

Soil Inhalation

$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$

$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Multiple Pathway

$RL =$

$$\frac{1}{(1/RLing + 1/RLder + 1/RLinh)}$$

Calculated

Calculated

1

1.00E-04

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.27E+02	1.40E-01	2.00E+00	3.90E+02	5.70E-04	IRIS	-	4.06E+06	1.43E+02

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Natl Guard Remedial Level Calculations (1 x 10⁻⁴ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RLn = HQ \times IFSn \times RfDo$

$RLc = TR \times IFSc / SFo$

Where:

IF = Intake Factors

IFS = IF Soil Ingestion

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

noncancer

cancer

noncancer

cancer

noncancer

cancer

Soil Dermal Absorption

$RLn = HQ \times IFDn \times RfDd / (ABS)$

$RLc = TR \times IFDc / (SFd \times ABS)$

6.21E+06

5.44E+07

5.97E+05

5.22E+06

7.77E+00

6.80E-02

Soil Inhalation

$RLn = HQ \times IFIn \times RfC / (1/VF + 1/PEF)$

$RLc = TR \times IFIc / URF \times (1/VF + 1/PEF)$

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Multiple Pathway

RL =

1

$(1/RLing + 1/RLder + 1/RLinh)$

Calculated

Calculated

1

1.00E-04

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	2.72E+03	1.40E-01	2.00E+00	1.87E+03	5.70E-04	IRIS	-	1.62E+07	1.11E+03

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Remedial Level Calculations (1 x 10⁻⁴ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-04

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+03	1.40E-01	2.00E+00	2.80E+03	5.70E-04	IRIS	-	7.32E+07	8.59E+02

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Utility Worker Subsurface Soil Remedial Level Calculations (Target Risk 1x10⁴) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

IF = Intake Factors

IFS = IF Soil Ingestion
 noncancer 8.85E+06
 cancer 2.48E+07

IFD = IF, Soil Dermal
 noncancer 2.80E+06
 cancer 7.85E+06

IFI = IF, Soil Inhalation
 noncancer 1.10E+02
 cancer 3.07E-01

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

RBCn = Risk-based concentration for noncancer effects (mg/kg)

Calculated

RBCc = Risk-based concentration for carcinogens (mg/kg)

Calculated

HQ = Target hazard quotient for noncancer effects

1

TR = Target cancer risk level

1.00E-04

RfDo = Oral Reference Dose, mg/kgBW-day

chem-spec

RfDd = Dermal Reference Dose, mg/kgBW-day

chem-spec

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

chem-spec

RfC = Inhalation Reference Concentration (mg/m³)

chem-spec

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

chem-spec

ABS = Dermal absorption factor

chem-spec

VF = Soil to Air Volatilization Factor, m³/kg

chem-spec

PEF = Particulate Emission Factor, m³/kg

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	1.24E+03	1.40E-01	2.00E+00	2.80E+03	5.70E-04	IRIS	-	7.32E+07	8.59E+02

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Trail User Remedial Level Calculations (1 x 10⁴ Target Risk) - Addendum

Former DuPont Brevard Facility

Cedar Mountain, NC

Soil Ingestion

$RL_n = HQ \times IFS_n \times RfDo$

$RL_c = TR \times IFS_c / SF_o$

Where:

Soil Dermal Absorption

$RL_n = HQ \times IFD_n \times RfDd / (ABS)$

$RL_c = TR \times IFD_c / (SFd \times ABS)$

Soil Inhalation

$RL_n = HQ \times IFI_n \times RfC / (1/VF + 1/PEF)$

$RL_c = TR \times IFI_c / URF \times (1/VF + 1/PEF)$

Multiple Pathway

$RL =$

$$\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$$

IF = Intake Factors

IFS = IF Soil Ingestion

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

noncancer	1.01E+06
	9.01E+06
	1.99E+06
cancer	3.77E+05
	2.95E+06
	6.96E+05
mutagen	4.06E+01
	1.09E-01
	3.94E-02

RBCn = Risk-based concentration for noncancer effects (mg/kg)

RBCc = Risk-based concentration for carcinogens (mg/kg)

HQ = Target hazard quotient for noncancer effects

TR = Target cancer risk level

RfDo = Oral Reference Dose, mg/kgBW-day

RfDd = Dermal Reference Dose, mg/kgBW-day

SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹

RfC = Inhalation Reference Concentration (mg/m³)

URF = Inhalation Unit Risk Factor (ug/m³)⁻¹

ABS = Dermal absorption factor

VF = Soil to Air Volatilization Factor, m³/kg

PEF = Particulate Emission Factor, m³/kg

Calculated

Calculated

1

1.00E-04

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

chem-spec

1.36E+09

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	SFo	Source	RLc	ABS	SFd	RLc	URF	Source	VF	RLc	RLc
PCB 1242	2.00E+00	IRIS	4.51E+02	1.40E-01	2.00E+00	1.05E+03	5.70E-04	IRIS	-	2.61E+07	3.16E+02

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Site-Specific Recreational Screening Level Calculations

**Recreational Screening Level
Exposure Assumptions
Former DuPont Brevard Facility
Cedar Mountain, NC**

Soil Intake Factors (kg soil/kg BW-day or kg/m³-air)

Ingestion =	$(IR \times EF \times ED \times FC \times CFs) / (AT \times BW)$	non-carcinogens
Ingestion =	$(IR_{adj} \times EF \times FC \times CFs) / (AT)$	carcinogen or mutagen
Dermal Absorption =	$(ABS \times SA \times AF \times EF \times ED \times FC \times CFs) / (AT \times BW)$	non-carcinogens
Dermal Absorption =	$(ABS \times SA_{adj} \times EF \times FC \times CFs) / (AT)$	carcinogen or mutagen

Air Intake Factor (kg / m³ - air)

Inhalation =	$(ET \times EF \times ED \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT)$	non-carcinogens
Inhalation =	$(ET \times EF \times ED \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT \times CFa)$	carcinogens
Inhalation =	$(ED_{adj} \times FC \times 1 \text{ day}/24 \text{ hours} \times (1/VF + 1/PEF)) / (AT \times CFa)$	mutagen

Intake Parameter		Lake User (Adult)	Lake User (Child)
IR	Ingestion Rate, soil (mg/day) (1)	100	200
IRadj	Ingestion rate (soil), age-adjusted mg-yr/kg-d (2)		105
IRadj-m	Ingestion rate (soil), age-adjusted, mutagen mg-yr/kg-d (2)		477
FC	Fraction contacted (3)	1	1
AF	Dermal Adherence Factor, soil (mg/cm ²) (4)	0.3	0.2
AB	Dermal Absorption Fraction (unitless) (5)	Chemical-specific	Chemical-specific
PEF	Particulate Emission Factor (m ³ /kg) (6)	1.36E+09	1.36E+09
VF	Soil to Air Volatilization Factor, m ³ /kg (6)	Chemical-specific	Chemical-specific
SA	Skin Surface Area, (cm ²) (7)	6032	2690
DFs	Soil Dermal Factor, age-adjusted mg-yr/kg-d (2)		321
DFs-m	Soil Dermal Factor, age-adjusted, mutagen mg-yr/kg-d (2)		1359
ET	Exposure Time (hours/day) (8)	8	8
EF	Exposure Frequency (days/year) (8)	108	108
ED	Exposure Duration - (years) , (8)	20	6
EDadj-m	Exposure Duration, age-adjusted, mutagen (2)		2280
CFs	Conversion Factor, soil (kg/mg)	1.E-06	1.E-06
CFa	Conversion Factor, air (ug/mg)	1.E-03	1.E-03
BW	Body Weight - (kg) (9)	80	15
AT	Averaging Time (days) (10)		
	Noncarcinogenic, ED x 365 d/yr	7,300	2,190
	Carcinogenic, 70 yr x 365d/yr	25,550	25,550

**Recreational Screening Level
Exposure Assumptions**
Former DuPont Brevard Facility
Cedar Mountain, NC

Notes:

- (1) Soil ingestion rate: USEPA's recommended total daily soil intake value for residential exposures was conservatively assumed for a trail users (USEPA, 2014).
- (2) Age-adjusted rates were utilized to evaluate combined recreational exposure to carcinogens (USEPA, 1991) and mutagens (USEPA, 2005). Equations consistent with EPA's Regional Screening Level Table User's Guide were used (USEPA, 2015).
- (3) No adjustment to fraction contacted was made.
- (4) Adherence Factor: Sediment value based on mean value for reed gatherers in EPA, 2004: Exhibit 3-3
USEPA recommended value for resident assumed for child lake user.
- (5) Chemical specific values obtained from Exhibit 3-4 in USEPA 2004. Default values are not available for VOCs and inorganic compound classes.
- (6) Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2015).
- (7) Skin Surface Area: EPA recommended value for residents (USEPA, 2014).
EPA recommended value for residents (USEPA, 2014) assumed for trail users.
- (8) Exposure Frequency, Time and Duration: It was assumed that trail users would visit the site 5 days/week during the 3 summer months (June, July, August) and less frequently (2 days/ week) during the Spring and Fall months (6 months), which results in 108 days/year. Recommended exposure duration for residents was used for the trail user (USEPA, 2014).
- (9) Body weight: USEPA recommended value for adult and child receptors (USEPA, 2014).
- (10) Averaging time: Noncarcinogens = ED expressed in days. Carcinogens = 70-year lifetime expressed in days.

References:

USEPA, 1991. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part B: Development of Risk-Based Preliminary Remediation Goals). Interim Final. Office of Emergency and Remedial Response, Washington D.C. December.

USEPA. 2011. Exposure Factors Handbook: 2011 Edition. EPA/600/R-09/052F. September.

USEPA, 2004. Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E Supplemental Guidance for Dermal Risk Assessment). Final. EPA/540/R/99/005. July 2004 (updated November 2007)

USEPA, 2015. EPA Regional Screening Level Table. January 2015.

USEPA, 2014. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. OSWER Directive 9200.1-120 dated February 6, 2014.

Site-Specific Recreational Screening Level Calculation (Target Risk 1 x 10⁻⁶ and HQ=1)

Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
RLn = HQ x IFSn x RfDo
RLc = TR x IFSc / SFo
Where:

Soil Dermal Absorption
RLn = HQ x IFDn x RfDd / (ABS)
RLc = TR x IFDc / (SFd x ABS)

Soil Inhalation
RLn = HQ x IFIn x RfC / (1/VF + 1/PEF)
RLc = TR x IFIc / URF x (1/VF + 1/PEF)

Multiple Pathway
RL = $\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$

IF = Intake Factors
IFS = IF Soil Ingestion

noncancer	2.53E+05
cancer	2.25E+06
mutagen	4.96E+05
noncancer	9.42E+04
cancer	3.54E+05
mutagen	1.15E+05
noncancer	1.01E+01
cancer	2.73E-02
mutagen	9.86E-03

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-06
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF
Arsenic	3.00E-04	IRIS	1.27E+02	3.00E-02	3.00E-04	9.42E+02	1.50E-05	Cal EPA	-	2.07E+05	1.12E+02
Iron	7.00E-01	PPRTV	1.77E+05	0.00E+00	7.00E-01	-	-	-	-	-	1.77E+05
Manganese	2.40E-02	EPA SL Table	6.08E+03	0.00E+00	9.60E-03	-	5.00E-05	IRIS	-	6.89E+05	6.03E+03
Thallium	1.00E-05	PPRTV Appendix	2.53E+00	0.00E+00	1.00E-05	-	-	-	-	-	2.53E+00

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF
Arsenic	1.50E+00	IRIS	2.50E+00	3.00E-02	1.50E+00	7.87E+00	4.30E-03	IRIS	-	8.63E+03	1.90E+00
Benzo(a)anthracene	7.30E-01	NCEA	6.80E-01	1.30E-01	7.30E-01	1.21E+00	1.10E-04	Cal EPA	-	1.22E+05	4.36E-01
Benzo(b)fluoranthene	7.30E-01	NCEA	6.80E-01	1.30E-01	7.30E-01	1.21E+00	1.10E-04	Cal EPA	-	1.22E+05	4.36E-01
Benzo(k)fluoranthene	7.30E-02	NCEA	6.80E+00	1.30E-01	7.30E-02	1.21E+01	1.10E-04	Cal EPA	-	1.22E+05	4.36E+00
Benzo(a)pyrene	7.30E+00	IRIS	6.80E-02	1.30E-01	7.30E+00	1.21E-01	1.10E-03	Cal EPA	-	1.22E+04	4.36E-02
Dibenz(a,h)anthracene	7.30E+00	NCEA	6.80E-02	1.30E-01	7.30E+00	1.21E-01	1.20E-03	Cal EPA	-	1.12E+04	4.36E-02
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	6.80E-01	1.30E-01	7.30E-01	1.21E+00	1.10E-04	Cal EPA	-	1.22E+05	4.36E-01

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Arsenic	1.90E+00
Iron	1.77E+05
Manganese	6.03E+03
Thallium	2.53E+00
Benzo(a)anthracene	4.36E-01
Benzo(b)fluoranthene	4.36E-01
Benzo(k)fluoranthene	4.36E+00
Benzo(a)pyrene	4.36E-02
Dibenz(a,h)anthracene	4.36E-02
Indeno(1,2,3-cd)pyrene	4.36E-01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Site-Specific Recreational Screening Level Calculation (Target Risk 1 x 10⁻⁵ and HQ=1)

Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
RLn = HQ x IFSn x RfDo
RLc = TR x IFSc / SFo
Where:

Soil Dermal Absorption
RLn = HQ x IFDn x RfDd/(ABS)
RLc = TR x IFDc / (SFd x ABS)

Soil Inhalation
RLn = HQ x IFIn x RfC / (1/VF + 1/PEF)
RLc = TR x IFIc / URF x (1/VF + 1/PEF)

Multiple Pathway
RL = $\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$

IF = Intake Factors
IFS = IF Soil Ingestion

noncancer	2.53E+05
cancer	2.25E+06
mutagen	4.96E+05
noncancer	9.42E+04
cancer	3.54E+05
mutagen	1.15E+05
noncancer	1.01E+01
cancer	2.73E-02
mutagen	9.86E-03

IFD = IF, Soil Dermal

IFI = IF, Soil Inhalation

RBCn = Risk-based concentration for noncancer effects (mg/kg)
RBCc = Risk-based concentration for carcinogens (mg/kg)
HQ = Target hazard quotient for noncancer effects
TR = Target cancer risk level
RfDo = Oral Reference Dose, mg/kgBW-day
RfDd = Dermal Reference Dose, mg/kgBW-day
SF = Cancer Slope Factor, (mg/kgBW-day)⁻¹
RfC = Inhalation Reference Concentration (mg/m³)
URF = Inhalation Unit Risk Factor (ug/m³)⁻¹
ABS = Dermal absorption factor
VF = Soil to Air Volatilization Factor, m³/kg
PEF = Particulate Emission Factor, m³/kg

Calculated
Calculated
1
1.00E-05
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
chem-spec
1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF
Arsenic	3.00E-04	IRIS	1.27E+02	3.00E-02	3.00E-04	9.42E+02	1.50E-05	Cal EPA	-	2.07E+05	1.12E+02
Iron	7.00E-01	PPRTV	1.77E+05	0.00E+00	7.00E-01	-	-	-	-	-	1.77E+05
Manganese	2.40E-02	EPA SL Table	6.08E+03	0.00E+00	9.60E-03	-	5.00E-05	IRIS	-	6.89E+05	6.03E+03
Thallium	1.00E-05	PPRTV Appendix	2.53E+00	0.00E+00	1.00E-05	-	-	-	-	-	2.53E+00

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF
Arsenic	1.50E+00	IRIS	2.50E+01	3.00E-02	1.50E+00	7.87E+01	4.30E-03	IRIS	-	8.63E+04	1.90E+01
Benzo(a)anthracene	7.30E-01	NCEA	6.80E+00	1.30E-01	7.30E-01	1.21E+01	1.10E-04	Cal EPA	-	1.22E+06	4.36E+00
Benzo(b)fluoranthene	7.30E-01	NCEA	6.80E+00	1.30E-01	7.30E-01	1.21E+01	1.10E-04	Cal EPA	-	1.22E+06	4.36E+00
Benzo(k)fluoranthene	7.30E-02	NCEA	6.80E+01	1.30E-01	7.30E-02	1.21E+02	1.10E-04	Cal EPA	-	1.22E+06	4.36E+01
Benzo(a)pyrene	7.30E+00	IRIS	6.80E-01	1.30E-01	7.30E+00	1.21E+00	1.10E-03	Cal EPA	-	1.22E+05	4.36E-01
Dibenz(a,h)anthracene	7.30E+00	NCEA	6.80E-01	1.30E-01	7.30E+00	1.21E+00	1.20E-03	Cal EPA	-	1.12E+05	4.36E-01
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	6.80E+00	1.30E-01	7.30E-01	1.21E+01	1.10E-04	Cal EPA	-	1.22E+06	4.36E+00

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Arsenic	1.90E+01
Iron	1.77E+05
Manganese	6.03E+03
Thallium	2.53E+00
Benzo(a)anthracene	4.36E+00
Benzo(b)fluoranthene	4.36E+00
Benzo(k)fluoranthene	4.36E+01
Benzo(a)pyrene	4.36E-01
Dibenz(a,h)anthracene	4.36E-01
Indeno(1,2,3-cd)pyrene	4.36E+00

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).

Site-Specific Recreational Screening Level Calculation (Target Risk 1 x 10⁻⁴ and HQ=1)

Former DuPont Brevard Facility
Cedar Mountain, NC

Soil Ingestion
RLn = HQ x IFSn x RfDo
RLc = TR x IFSc / SFo
Where:

Soil Dermal Absorption
RLn = HQ x IFDn x RfDd / (ABS)
RLc = TR x IFDc / (SFd x ABS)

Soil Inhalation
RLn = HQ x IFIn x RfC / (1/VF + 1/PEF)
RLc = TR x IFIc / URF x (1/VF + 1/PEF)

Multiple Pathway
RL = $\frac{1}{(1/RL_{ing} + 1/RL_{der} + 1/RL_{inh})}$

IF = Intake Factors			RBCn = Risk-based concentration for noncancer effects (mg/kg)	Calculated
IFS = IF Soil Ingestion	noncancer	2.53E+05	RBCc = Risk-based concentration for carcinogens (mg/kg)	Calculated
	cancer	2.25E+06	HQ = Target hazard quotient for noncancer effects	1
	mutagen	4.96E+05	TR = Target cancer risk level	1.00E-04
IFD = IF, Soil Dermal	noncancer	9.42E+04	RfDo = Oral Reference Dose, mg/kgBW-day	chem-spec
	cancer	3.54E+05	RfDd = Dermal Reference Dose, mg/kgBW-day	chem-spec
	mutagen	1.15E+05	SF = Cancer Slope Factor, (mg/kgBW-day) ⁻¹	chem-spec
IFI = IF, Soil Inhalation	noncancer	1.01E+01	RfC = Inhalation Reference Concentration (mg/m ³)	chem-spec
	cancer	2.73E-02	URF = Inhalation Unit Risk Factor (ug/m ³) ⁻¹	chem-spec
	mutagen	9.86E-03	ABS = Dermal absorption factor	chem-spec
			VF = Soil to Air Volatilization Factor, m ³ /kg	chem-spec
			PEF = Particulate Emission Factor, m ³ /kg	1.36E+09

Noncancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	RfDo	Source	RLn	ABS	RfDd	RLn	RfC	Source		VF
Arsenic	3.00E-04	IRIS	1.27E+02	3.00E-02	3.00E-04	9.42E+02	1.50E-05	Cal EPA	-	2.07E+05	1.12E+02
Iron	7.00E-01	PPRTV	1.77E+05	0.00E+00	7.00E-01	-	-	-	-	-	1.77E+05
Manganese	2.40E-02	EPA SL Table	6.08E+03	0.00E+00	9.60E-03	-	5.00E-05	IRIS	-	6.89E+05	6.03E+03
Thallium	1.00E-05	PPRTV Appendix	2.53E+00	0.00E+00	1.00E-05	-	-	-	-	-	2.53E+00

Cancer Effects	Ingestion			Dermal			Inhalation			Multi-pathway	
	Constituent	SFo	Source	RLc	ABS	SFd	RLc	URF	Source		VF
Arsenic	1.50E+00	IRIS	2.50E+02	3.00E-02	1.50E+00	7.87E+02	4.30E-03	IRIS	-	8.63E+05	1.90E+02
Benzo(a)anthracene	7.30E-01	NCEA	6.80E+01	1.30E-01	7.30E-01	1.21E+02	1.10E-04	Cal EPA	-	1.22E+07	4.36E+01
Benzo(b)fluoranthene	7.30E-01	NCEA	6.80E+01	1.30E-01	7.30E-01	1.21E+02	1.10E-04	Cal EPA	-	1.22E+07	4.36E+01
Benzo(k)fluoranthene	7.30E-02	NCEA	6.80E+02	1.30E-01	7.30E-02	1.21E+03	1.10E-04	Cal EPA	-	1.22E+07	4.36E+02
Benzo(a)pyrene	7.30E+00	IRIS	6.80E+00	1.30E-01	7.30E+00	1.21E+01	1.10E-03	Cal EPA	-	1.22E+06	4.36E+00
Dibenz(a,h)anthracene	7.30E+00	NCEA	6.80E+00	1.30E-01	7.30E+00	1.21E+01	1.20E-03	Cal EPA	-	1.12E+06	4.36E+00
Indeno(1,2,3-cd)pyrene	7.30E-01	NCEA	6.80E+01	1.30E-01	7.30E-01	1.21E+02	1.10E-04	Cal EPA	-	1.22E+07	4.36E+01

Lower of the RLn and RLc

Constituent	RL (mg/kg)
Arsenic	1.12E+02
Iron	1.77E+05
Manganese	6.03E+03
Thallium	2.53E+00
Benzo(a)anthracene	4.36E+01
Benzo(b)fluoranthene	4.36E+01
Benzo(k)fluoranthene	4.36E+02
Benzo(a)pyrene	4.36E+00
Dibenz(a,h)anthracene	4.36E+00
Indeno(1,2,3-cd)pyrene	4.36E+01

Particulate Emission Factor or Volatilization Factor: USEPA default value PEF used for non-volatile compounds or chemical-specific VF used for volatile compounds (USEPA, 2014).